

JBL



Aquarium · Reptile

2015





Dear Friends of JBL,

We may love or hate our smartphones but we are putting them to practical use more and more. With a totally new app you can now have the results of your water tests read out and displayed! I think this combination of modern communication media and hobby aquatics is great and I'll definitely be watching out for future developments which will further link and simplify this hobby with the multimedia world!

I hope you enjoy the new JBL ProScan app and the many other innovations our JBL Development Department has created!

Cordially,

A handwritten signature in black ink, reading 'Roland Böhme'.

Roland Böhme
General Manager JBL GmbH & Co. KG



The world of JBL

Quality, Innovation, Reliability, Training,
Sales Promotion, Partnership, Exhibitions

JBL doesn't just see itself as a reliable supplier but also as a partner of the specialist trade, of aquarists and of terrarium enthusiasts!

The promise of quality with its accompanying guarantee of satisfaction is at the very top of our corporate philosophy and is pursued actively. The strength of JBL's innovation is clearly shown in this catalogue - more new items are hardly possible! And, to keep our contact to the pet trade and to aquarium and terrarium enthusiasts as active as ever, our regional key account managers are there ready to support you.

We are also committed to attending numerous exhibitions and offer many training seminars. This is our understanding of partnership!



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For this product you'll find a video on the JBL web site and on YouTube.

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NEW

New items 2015

Freshwater Aquarium

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Marine Aquarium

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Terrarium

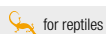
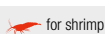
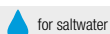
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Symbols:



The JBL success story

From a 30 m² pet shop to a worldwide aquarium product specialist

It all began in Ludwigshafen in 1960 with a small pet shop, just 30 m² in size, which Joachim Böhme, a trained chemist from Dresden, opened and so made his hobby his job. His love of animals, his white lab coat as his working clothes, and his friendly manner as well as his specialist knowledge all contributed to his success.

His business grew and the pet shop evolved into a wholesale ornamental fish business. As fish diseases became a problem, Joachim Böhme put his studies to good use and developed a highly effective remedy against ectoparasites, which he named Punktol.

Up to the present day, JBL, under the leadership of Roland Böhme, the son of the founder, has expanded its range to over 1000 products for the aquarium, terrarium and garden pond and has established a position as a leading producer in this field, exporting to 65 countries around the world.

Using the latest production and filling plant, all JBL products are manufactured and dispatched in Neuhausen. The company site covers over 12,000 m² and includes not only the Production plant and the 6,500 m² Logistics Center completed in 2008, but also the Research Center. Here many fully stocked aquariums and terrariums operate on a permanent basis in order to test all the products under realistic conditions. In order to take the in-house tests to an even more stringent level, JBL cooperates with leading scientific institutions throughout Europe, such as the Leibnitz Institute for Marine Science in Kiel (IFM Geomar), the Department of Measurement and Laser Technology at the University of Ulm and the Haus des Meeres in Vienna.

In addition to the usual experiments and tests in the laboratory, JBL biologists have for many years now gained their insight into the habitats and life of the animals directly from nature in the course of JBL research expeditions and workshops. The protection of wildlife and environmental awareness are key factors for JBL. By means of a photovoltaic system installed on the roofs of the company buildings, JBL is able to generate sufficient electricity itself to meet the entire requirements of production. For many years JBL has been a supporter of the SHARK PROJECT, the largest international protection organization for sharks, as sharks are threatened with imminent extinction at the hands of man.



Aquarium enthusiasts know that they can depend on the quality of JBL products and appreciate the new innovations which JBL regularly launches on the market.

Dr. Rainer Keppler, Director of Development at JBL states, "The best ideas don't originate from us! It's the pond enthusiasts, terrarium fans and sales staff who phone us and tell us their ideas. We then apply our knowhow to convert these often amazing ideas into products at acceptable prices."



JBL fish food – top class!

Fish breeders, scientists and show aquariums in many countries of the world place their trust in JBL quality.

Specially selected raw materials: Instead of cheap fishmeal with a large proportion of fish scraps containing a high level of phosphates from fish bone, JBL uses pure fish protein without scraps and cheap fishmeal. Only then is a carefully measured amount of fish bone meal added to the protein as a source of minerals to keep the phosphate levels low and precisely balanced.

Protects fish stocks: Not one single fish has to be caught to produce JBL fish food! We use only the parts of the fish which are left over in the production of fish fillets, according to the motto: the big fillet for the humans and the little fillet for our aquarium fish! This avoids high-phosphate fishmeal whilst at the same time using high quality pure fish protein. Incidentally, the fish processing takes place in the North of France. JBL objects to processing whole fish from fish stocks which are under threat.

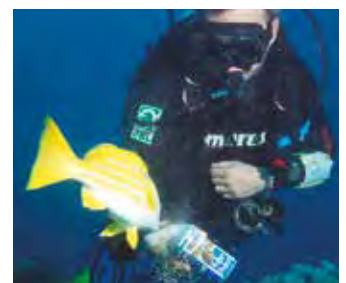
Wide variety of ingredients: Whoever has 54 different frozen or live types of food in their fridge? JBL NovoBel staple food, for example, contains 7 flakes with a total of 54 different natural raw ingredients. Fish are familiar with this variety in the wild and should not receive any less in the aquarium!

Modern and gentle production: JBL has invested millions in the latest production facilities so that the flakes, granules, tablets and sticks do not lose any of their valuable ingredients during the production processes! From the 15,000 kg flake drum, the flakes are collected and sealed in air-tight containers immediately after production. This guarantees that the vitamins stay where they are needed.

High quality packing and sealing: Have you ever tried to tear up a JBL foil seal which closes our food cans? Then you will know that it is practically impossible! Here too, JBL invests in top materials so that the high food quality in closed cans is guaranteed over a long period of time. And the cans themselves are made of topquality plastic, protecting the food from light and air.

Research in the laboratory and in nature: The best "guinea pigs" are fish in the wild! Therefore JBL includes the results of feeding trials with food prototypes carried out on research expeditions in the development of products. The result is a high acceptance of JBL food.

Don't settle for less!



Food > Novo Range > For all species / flakes



JBL NovoBel

Main food for aquarium fish

- Flake food for aquarium fish of 3 to 20 cm length.
- Does not cloud the water.
- Optimal protein/fat ratio. No fish meal.
- Dermatologically tested.
- 50 raw ingredients in 7 different flakes.
- Phosphate contents precisely balanced for reduced algae growth and optimal fish growth.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30120 | 100 ml | 18 g | 12 |
| 30130 | 250 ml | 45 g | 12 |
| 30140 | 1000 ml | 190 g | 6 |
| 30154 | 5500 ml | 950 g | 1 |
| 30155 | 12,5 l | 2100 g | 1 |

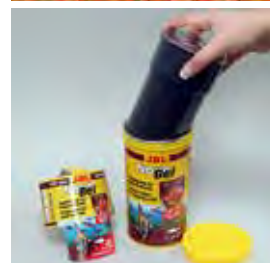


JBL NovoBel Refill Pack

Fits to 1000ml container

- Food flakes identical to the main food JBL NovoBel.
- Price advantage due to a refill pack that saves on raw materials. Saves resources, eco-friendly form of packaging.
- High quality seal protects the food from air and light.
- Can be inserted into the original JBL container.
- Aquarium keepers save money - JBL saves on packaging.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30141 | 750 ml | 135 g | 12 |



JBL NovoGrand

Main food for large aquarium fish

- Flake food for aquarium fish of 10 to 25 cm length.
- Does not cloud the water.
- Optimal protein-fat ratio. No fish meal.
- Dermatologically tested for skin compatibility.
- Phosphate contents precisely balanced for reduced algae growth and optimal fish growth.
- With natural vitamin E as an antioxidant and stabilized vitamin C.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30180 | 1000 ml | 160 g | 3 |
| 30185 | 12,5 l | 2200 g | 1 |

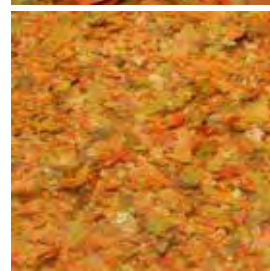


JBL NovoColor

Coloured food for aquarium fish

- Flake food for aquarium fish of 3 to 20 cm length.
- Selected raw ingredients with valuable carotenoids and Omega 3 fatty acids enhance brilliant colouring.
- Does not cloud the water. No fish meal.
- Strong and healthy growth with little water pollution due to a naturally balanced protein-fat ratio.
- Dermatologically tested for skin compatibility.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30156 | 100 ml | 18 g | 6 |
| 30157 | 250 ml | 45 g | 6 |



Food > Novo Range > For all species / granulate



JBL NovoGranoMix mini CLICK

Main food for professional feeding of all smaller-sized aquarium fish

- Mini-sized granular main food for small fish of 3 to 10 cm length.
- The Click dispenser lid makes perfect dosing possible. 1 x click for 5 fish.
- Does not cloud the water.
- Strong and healthy growth with little water pollution due to a naturally balanced protein/fat ratio.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30100 | 100 ml | 42 g | 6 |



JBL NovoGranoMix mini

Refill box for GranoMix mini food dispenser

- The click dispenser lid of the Grano mini range can simply be screwed on to this container.
- The product contains the same ingredients as JBL NovoGranoMix mini.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30099 | 100 ml | 42 g | 6 |
| 30111 | 5500 ml | 2400 g | 1 |

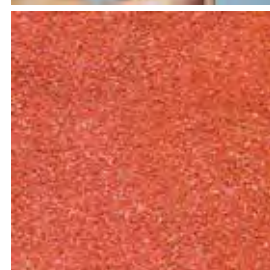


JBL NovoGranoColor mini CLICK

Mini coloured granular food for small aquarium fish

- The Click dispenser lid makes perfect dosing possible. 1 x click for 5 fish of 3 - 10 cm!
- Does not cloud the water.
- Strong and healthy growth with little water pollution due to a naturally balanced protein-fat ratio.
- Selected raw ingredients with valuable carotenoids and Omega 3 fatty acids enhance brilliant colouring.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30098 | 100 ml | 43 g | 6 |





JBL NovoGranoColor mini

Refill box for GranoColor mini food dispenser

- The click dispenser lid of the Grano mini range can simply be screwed on to the container.
- Product contains the same ingredients as NovoGranoColor mini.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30097 | 100 ml | 43 g | 6 |



You Tube



JBL NovoGranoMix CLICK

Granular main food for aquarium fish

- With the click dispenser lid: 1 x click for 5 fish of 6 - 15 cm length. Does not cloud the water.
- Strong and healthy growth with little water pollution through a naturally balanced protein-fat ratio.
- Dermatologically tested for skin compatibility.
- The food container is freshness sealed under the dispensing lid.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30101 | 250 ml | 115 g | 6 |



You Tube



JBL NovoGranoMix

Granulate food mixture for community aquariums

- Coloured granular food for aquarium fish. Refill container without the Click dispenser lid.
- The Click dispenser lid of the 250 ml container can easily be screwed onto the 250 ml refill container.
- The composition corresponds 1:1 to JBL NovoGranoMix.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30102 | 250 ml | 110 g | 6 |



You Tube



JBL NovoGranoColor CLICK

Coloured granular food for aquarium fish

- The Click dispenser lid makes perfect dosing possible.
- 1 x click for 5 fish of 6 - 15 cm length!
- Does not cloud the water. Strong and healthy growth with little water pollution through a naturally balanced protein/fat ratio.
- Selected raw ingredients with valuable carotenoids and Omega 3 fatty acids enhance brilliant colouring.
- The food container is freshness sealed under the dispensing lid.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30104 | 250 ml | 107 g | 6 |



You Tube



JBL NovoGranoColor

Coloured granular food for aquarium fish

- Refill container without the click dispenser lid.
- The click dispenser lid of the 250 ml container can easily be screwed onto the 250 ml refill container.
- The composition corresponds 1:1 to JBL NovoGranoColor.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30105 | 250 ml | 120 g | 6 |



You Tube



JBL NovoBits CLICK

Granules for discus fish and other hard-to-please tropical fish

- With the Click dispenser lid: 1 x click for 5 fish of 6 - 15 cm length.
- Enhances the colouration of the fish through high-grade astaxanthin and carotenoids.
- Does not discolour or stain the water.
- The food container is freshness sealed under the dispensing lid.
- With natural vitamin E and stabilised vitamin C.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30313 | 250 ml | 100 g | 6 |



NOTE!
This product is only available with English/Chinese label.
con etiqueta

You Tube



JBL NovoBits

Refill pack without click dispenser lid.

- Granulate 100% identical to JBL NovoBits.
- The dosing cap can easily be screwed on to the 250 ml container.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30314 | 250 ml | 100 g | 6 |
| 30315 | 1000 ml | 450 g | 6 |
| 30316 | 12,5 l | 5500 g | 1 |



NOTE!
This product is only available with English/Chinese or English/Korean label.
con etiqueta

**JBL NovoFil****Red blood worms, vacuum freeze-dried**

- Top-class supplementary food for very fastidious fish.
- Vacuum drying method is gentle on the containing nutrients. Indispensable for fish breeding.
- No risk of disease compared to living red mosquito larvae and less water pollution than when using frozen food.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30260 | 100 ml | 8 g | 6 |
| 30270 | 250 ml | 20 g | 6 |

**JBL NovoFex****Tubifex cubes**

- Supplementary food as treats for aquarium fish and turtles.
- Freeze-dried tubifex cubes left in their natural state.
- Higher protein concentration strengthens weakened fish.
- Armoured catfish love to dig JBL NovoFex cubes out of the gravel (soak first, because the cubes normally float).
- Vacuum production process preserves the valuable nutrients.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30620 | 100 ml | 10 g | 6 |
| 30630 | 250 ml | 30 g | 6 |

**JBL NovoDaph****Natural Daphnia**

- Natural food supplement for all fish species.
- High quality dietary fibres improve digestion in fish.
- Adds variety to the fishes' diet.
- Treats for both smaller and medium-sized fish species.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30700 | 100 ml | 9 g | 6 |

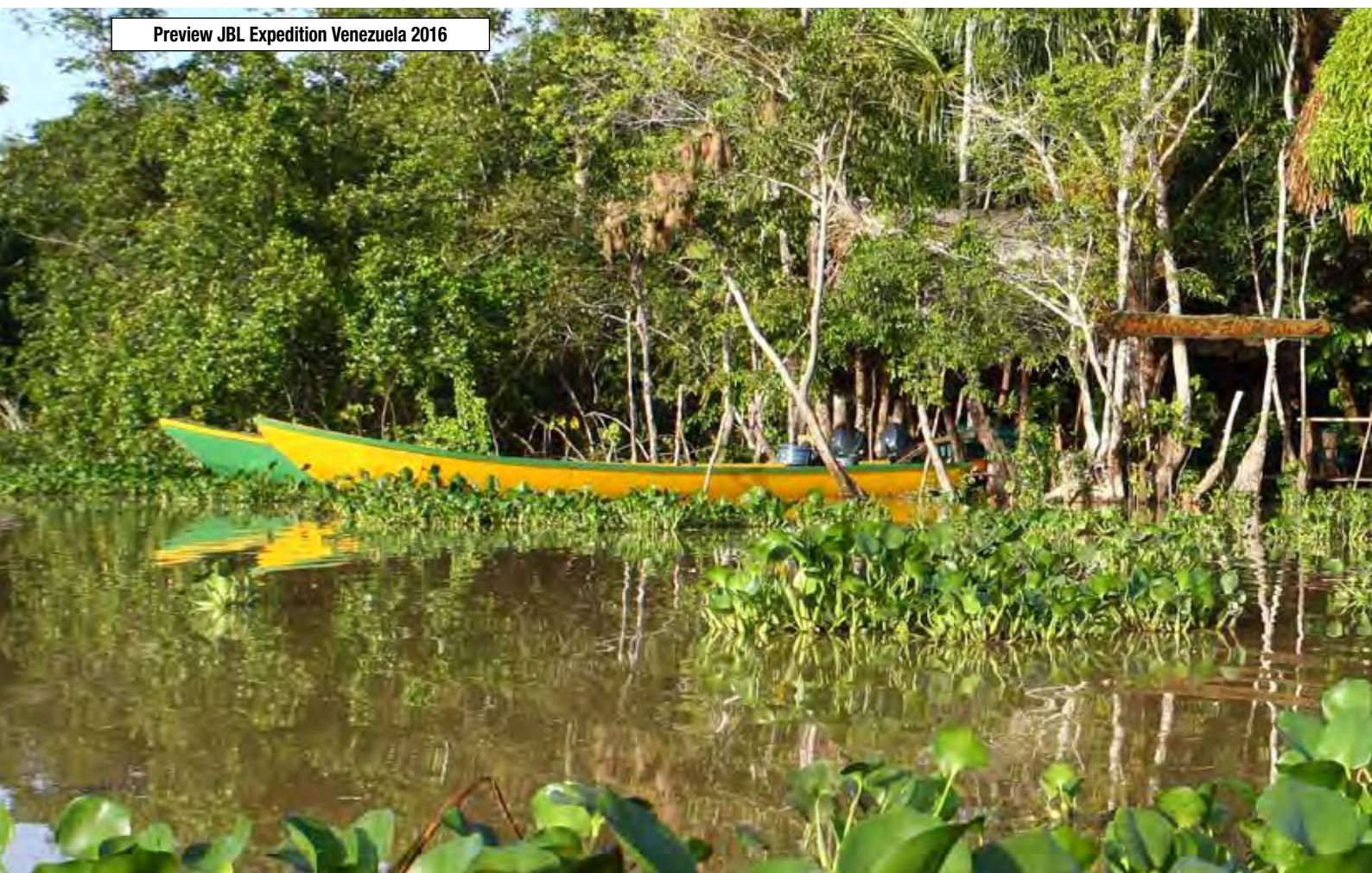
**JBL NovoArtemio****Vacuum freeze-dried artemia salina**

- THE favorite food of almost all aquarium fish in mid-sized chunks for biting off.
- Artemia shrimp are considered to be extremely nourishing and healthy for a species-appropriate and diversified fish nourishment.
- For geobiont organisms the floating chunks of food can be pushed under water so that they loose their upward force.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30263 | 100 ml | 6 g | 6 |
| 30264 | 250 ml | 18 g | 6 |



Preview JBL Expedition Venezuela 2016




[YouTube](#)

JBL NovoTab

Tablet food for all aquarium fish

- Food tablets stick to aquarium glass.
- Free of water-polluting bonding agents.
- 10% high-quality freeze-dried feed animals.
- Contains 80 % animal protein and 20 % plant protein.
- Perfect protein-fat ratio for healthy fish. Composition similar to JBL NovoBel, making it suitable as a main food.
- Does not cloud the water. Dermatologically tested.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30230 | 100 ml | 60 g | 12 |
| 30240 | 250 ml | 160 g | 6 |
| 30245 | 1000 ml | 640 g | 3 |
| 30246 | 12,5 l | 7000 g | 1 |


[YouTube](#)

JBL NovoFect

Vegetarian tablets

- The food tablet adheres to the tank glass.
- Press the tablet onto the tank glass to let you observe the fish while they enjoy their food.
- Plant fibre makes them more readily digestible.
- Contains 6 % spirulina algae content.
- Free of water-polluting bonding agents.
- Does not cloud the water. Dermatologically tested.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30247 | 100 ml | 58 g | 12 |
| 30248 | 250 ml | 160 g | 6 |
| 30249 | 1000 ml | 640 g | 3 |
| 30250 | 12,5 l | 7000 g | 1 |


[YouTube](#)

JBL NovoPleco

Algae wafers containing wood for plecos

- Herbivorous plecos need food containing 10 % wood for digestion, the exact amount these wafers contain.
- As these novel wafers do not dissolve in water, they do not pollute the water, thereby giving shy fish the opportunity to feed in peace later.
- The sinking wafers contain energy-providing wheat germ in addition to spirulina and vegetable matter.
- Does not cloud the water. Dermatologically tested.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30310 | 100 ml | 53 g | 6 |
| 30311 | 250 ml | 133 g | 6 |
| 30312 | 1000 ml | 530 g | 3 |
| 30309 | 5500 ml | 2900 g | 1 |



JBL NovoPleco XL

Extra large food wafers for plecos

- Formulated for algae/plant feeding plecos of 12 - 50 cm.
- Very hard chips which need to be chipped off (as in the wild).
- With 10 % wood fibre which many plecos need for their digestion. Retain their shape in water i.e. the chips do not disintegrate and cloud the water.
- 4 x bigger than JBL NovoPleco. Dermatologically tested.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30341 | 250 ml | 125 g | 6 |
| 30342 | 1000 ml | 500 g | 3 |
| 30343 | 5500 ml | 2750 g | 1 |





YouTube

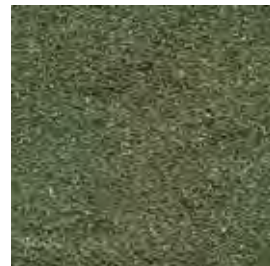


JBL NovoGranoVert mini CLICK

Mini green food granulate

- The click dispenser lid makes perfect dosing possible. 1 x click for 5 fish of 3 - 10 cm!
- Does not cloud the water. 79 % plant content with valuable fibres for species-appropriate nutrition and a healthy digestive system.
- 5 % spirulina algae for balanced, natural colouration. Dermatologically tested.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30096 | 100 ml | 40 g | 6 |

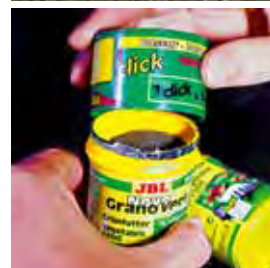


JBL NovoGranoVert mini

Refill pack for JBL GranoVert mini dispenser

- The click dispenser lid of the Grano mini range can simply be screwed on to the container (only with 100 ml container size).
- Product contains the same ingredients as NovoGranoVert mini.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30095 | 100 ml | 40 g | 6 |

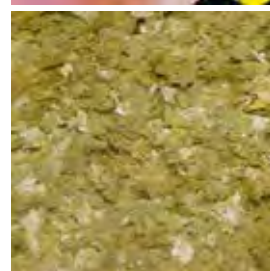


JBL NovoVert

Main food for herbivorous aquarium fish

- Flake food with 76 % plant ingredients for species-appropriate nutrition and a healthy digestive system.
- 10 % spirulina algae for balanced, natural colouration. Dermatologically tested for skin compatibility.
- Does not cloud the water.
- Easily digestible and nutritious due to ultra-fine grinding of the raw ingredients.
- With natural vitamin E and stabilized vitamin C.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30190 | 100 ml | 16 g | 6 |
| 30195 | 250 ml | 40 g | 6 |

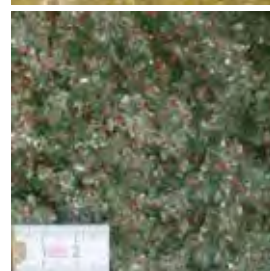


JBL NovoGuppy

Main food for guppies and other livebearers

- Main food flakes with a high plant content for all live-bearing killifish (e.g. guppies, platies, etc.).
- 7 % spirulina algae imitates the natural diet of live-bearing fish such as guppies.
- Essential carotenoids enhance brilliant colouring.
- First choice for professional guppy breeders.
- Dermatologically tested to reduce the risk of allergies to our customers. Does not cloud the water.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30175 | 100 ml | 21 g | 6 |
| 30176 | 250 ml | 58 g | 6 |



Preview JBL Expedition Venezuela 2016





JBL NovoStick M

Main food sticks for cichlids

- For mainly carnivorous tilapia fish (cichlids). Protein/fat ratio meets nutritional needs.
- Does not cloud the water.
- Readily eaten by other large species of fish as well. Meat content consists exclusively of fish meat.
- With stabilised vitamin C.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30289 | 250 ml | 110 g | 6 |
| 30290 | 1000 ml | 440 g | 3 |
| 30291 | 5500 ml | 2530 g | 1 |



JBL NovoStick XL

For large cichlids

- Food sticks for primarily carnivorous (meat eating) large fish. 6-7 mm diameter.
- Exclusively made of proteins and fats from aquatic animals! Also suitable for predatory East African cichlids such as cyphotilapia and many haplochromis species.
- Vitamins and natural extracts promote natural brilliant colouring.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30281 | 1000 ml | 400 g | 3 |
| 30282 | 5500 ml | 2200 g | 1 |



JBL NovoTanganjika

Flakes as main food for predatory cichlids

- Specially developed for predatory species of cichlid from Lakes Tanganyika and Malawi.
- Exclusively contains fish protein and plankton animals which also form the basis of their diet in the wild.
- Carotenoids from shrimp promote exceptionally brilliant colouring in the fish. Contains 1% garlic.
- Dermatologically tested. Does not cloud the water.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30020 | 250 ml | 45 g | 6 |
| 30021 | 1000 ml | 190 g | 3 |
| 30022 | 5500 ml | 950 g | 1 |



JBL NovoMalawi

For algae-eating Lake Malawi and Lake Tanganyika cichlids

- Contains 38 % high quality spirulina algae that are rich in protein (S. platensis) + plankton.
- Studies in the lakes of the Great Rift Valley have shown that algae-grazing cichlids eat diatom and blue-green algae (Cyanophyceae), and not green algae as often presumed!
- Does not cloud the water.
- Dermatologically tested.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30010 | 250 ml | 40 g | 6 |
| 30011 | 1000 ml | 156 g | 3 |
| 30012 | 5500 ml | 860 g | 1 |

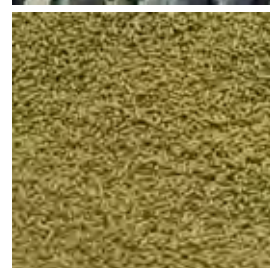


JBL NovoRift

Food sticks for grazing cichlids from African rift lakes

- Contains 90 % plant protein and 10 % animal protein.
- Specially designed to meet the nutritional needs of Tropheus, Pseudotropheus species, etc.
- With protein-rich Spirulina algae.
- Contains natural vitamin E as an antioxidant.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30293 | 250 ml | 133 g | 6 |
| 30295 | 1000 ml | 530 g | 3 |
| 30296 | 5500 ml | 2750 g | 1 |

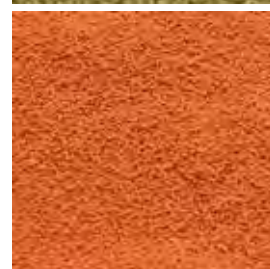


JBL NovoFlower mini

Special granules for small to medium-sized Flowerhorn cichlids

- For flowerhorn cichlids up to 12 cm.
- Excellent colours due to the high astaxanthin content.
- Multivitamin mix increases resistance to diseases.
- Well-balanced content of proteins and fats to ensure healthy growth.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30317 | 250 ml | 110 g | 6 |



NOTE!
This product is only available with English/Chinese label.
con etiqueta



JBL NovoFlower maxi

Special sticks for large Flowerhorn cichlids

- For flowerhorn cichlids from 12 cm.
- Excellent colours due to the high astaxanthin content.
- Multivitamin mix increases resistance to diseases.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30320 | 1000 ml | 440 g | 6 |



NOTE!
This product is only available with English/Chinese or English/Korean label.
con etiqueta

**JBL NovoRed****Main food for goldfish**

- Flake food with a species-appropriate protein-fat ratio (low protein content of 35 %).
- 70 % plant content with valuable fibres for species-appropriate nutrition and a healthy digestive system.
- High proportion of unsaturated fatty acids due to wheat germ.
- Does not cloud the water. Dermatologically tested.
- Contains natural Vitamin E as an antioxidant.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30199 | 100 ml | 16 g | 12 |
| 30200 | 250 ml | 45 g | 12 |
| 30220 | 1000 ml | 190 g | 6 |

**JBL NovoRed Refill****Refill pack for the 1000 ml container**

- Money saving refill pack for the JBL Novored 1000 ml container.
- Convenient to insert into the 1000 ml container.
- The food is identical to JBL NovoRed.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30221 | 750 ml | 130 g | 12 |

NOTE!
This product is only available with French/Dutch label.
ATENCIÓN! Este producto está solamente disponible con etiqueta en Francés/Olandés

**JBL NovoPearl CLICK****Food pellets for goldfish with the Click doser**

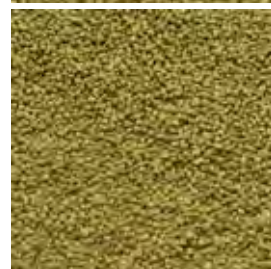
- With the convenient click dosage lid.
- One click will provide the food dosage for 5 fish.
- Main food for goldfish and fancy goldfish such as Shubunkin.
- No cloudy water.
- 53 % plant ingredients for a healthy diet.
- Balanced protein/fat ratio.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30303 | 100 ml | 37 g | 6 |

**JBL NovoPearl****Floating food pellets for goldfish**

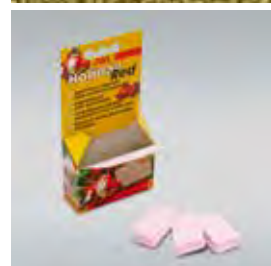
- Floating pearls as main food for goldfish and fancy goldfish such as Shubunkin.
- No cloudy water.
- 53 % plant ingredients for a healthy diet.
- Balanced protein/fat ratio.
- Also serves as a refill container for JBL NovoPearl with the Click dispenser lid.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30299 | 100 ml | 37 g | 12 |
| 30300 | 250 ml | 93 g | 6 |

**JBL Holiday Red****Holiday food for goldfish**

- Contains 3 food blocks for goldfish, fantails and similar species.
- 1 food block feeds 1-3 goldfish for 4 to 6 days.
- The food is encased in calcium sulfate which dissolves with no harmful effects for plants or micro-organisms.

| Art. no. | Weight | UP |
|--------------|--------|----|
| 40321 | 17 g | 12 |



You Tube

**JBL NovoCrabs****Main food for lobsters and crabs**

- Sinking food wafers for crustaceans with claws.
- Contain 5 % wood fibre and 10 % herbs.
- Stable in water, i.e. the wafers do not disintegrate on their own. Meet nutritional needs through the addition of 5% wood fibre.
- With a high cellulose content which is essential to building up the chitin shell according to scientific results! This ensures trouble-free moulting.
- Also suitable for marine crustaceans.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30273 | 100 ml | 49 g | 6 |
| 30272 | 250 ml | 123 g | 6 |

**JBL NovoPrawn CLICK****Food pellets for shrimp with the Click dosage lid**

- Now new: With 20 % nettle, a favourite among shrimp experts.
- A staple food for all smaller shrimp species that is predominantly plant-based.
- Perfect colouration of red, blue and multi-coloured shrimps.
- Size: 2 - 3 mm. Species-appropriate nutrition with 5 % spirulina and 20 % nettle.
- Also available as a refill pack without the click dosage lid (JBL NovoPrawn).

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30274 | 100 ml | 58 g | 6 |

**JBL NovoPrawn****Food pellets for shrimp**

- The food is identical to JBL NovoPrawn Click.
- Also serves as a refill pack for JBL NovoPrawn with the click dosing cap.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30276 | 100 ml | 58 g | 6 |
| 30277 | 250 ml | 145 g | 6 |

**JBL NovoDragon Shrimp****Long food sticks for Arowana**

- Now with an elongated, floating, worm-like shape.
- With a higher shrimp content for perfect acceptance.
- Specially sourced carotinoids produce brilliant colouring, especially in red arowana.
- Prevents one-sided diet.
- High vitamin content ensures a high resistance to disease.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30283 | 1000 ml | 440 g | 6 |

NOTE!
This product is only available with English/Chinese label.
con etiqueta

**JBL NovoBetta****Main food flakes for fighting fish**

- Specially developed for the carnivorous diet of Betta splendens and its variants.
- High-grade proteins and krill plus essential carotenoids enhance brilliant colouring.
- Promotes spawning in female fish.
- Strengthens resistance to diseases.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30171 | 100 ml | 25 g | 6 |

**JBL NovoLotl****Sinking food pearls for smaller-sized Axolotl**

- Specially formulated food with proteins and fats from aquatic animals and 5% spirulina algae to meet the nutrition needs of smaller-sized axolotl.
- High vitamin and protein content with an optimum protein/fat ratio of 3,6:1 to ensure healthy growth of young, fast growing animals.
- Sinking food pearls retain their shape to meet the requirements of bottom feeding axolotl.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30353 | 250 ml | 150 g | 6 |

**JBL NovoLotl XL****Sinking food pearls for larger-sized Axolotl**

- Protein content adapted to the smaller requirement of larger-sized animals (18 cm and over) with proteins and fats from aquatic animals and 5% spirulina algae.
- Optimum protein-fat ratio of 3,6:1 ensures balanced growth of larger-sized animals, plus a vitamin mix for enhanced resistance.
- Sinking food pearls (5 mm) retain their shape to meet the requirements of bottom feeding axolotl.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30358 | 250 ml | 150 g | 6 |



**JBL Holiday****Holiday fish food**

- Food block for approx. 2 weeks.
- Feeds approx. 25 average-sized ornamental fish.
- The block only dissolves when the fish feed.
- The gypsum content in the block is completely safe for the tank inhabitants.
- Contents: 1 food block.

Art. no.

40310

Weight

43 g

UP

12

**JBL Holiday Red****Holiday food for goldfish**

- Contains 3 food blocks for goldfish, fantails and similar species.
- 1 food block feeds 1-3 goldfish for 4 to 6 days.
- The food is encased in calcium sulfate which dissolves with no harmful effects for plants or micro-organisms.

Art. no.

40321

Weight

17 g

UP

12

**JBL Weekend****Weekend fish food**

- 4 food blocks for 3 days each.
- Feeds approx. 15 medium-sized ornamental fish.
- The block only dissolves when the fish feed.
- The gypsum content in the block is completely safe for the tank inhabitants.

Art. no.

40320

Weight

20 g

UP

12

**JBL NovoStation****Feeding ring with level-adaptation for the aquarium**

- The ideal feeding place for all aquarium fish.
- Targeted feeding, with no loose food floating around.
- Always perfectly positioned, even when water levels in the aquarium vary.
- All fish congregate at the feeding place and can easily be observed.
- 9 x 9 cm.

Art. no.

61369

Size

90x90 mm

UP

6

**JBL Food Clip****Universal food clip with a suction holder**

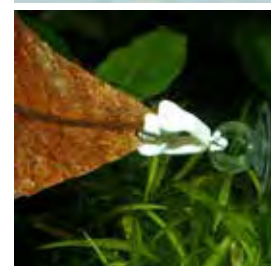
- Ideal for food (algae leaves, salad, Catappa leaves).
- With a flexible clip that can be rotated in all directions.
- Merely attach to the panel and the fish and invertebrates will remain in full view while they are feeding.
- Prevents food from floating into the decorations where the fish may no longer be able to reach it consequently polluting the water. Conceptualized for fresh water and salt water as well as terrariums.

Art. no.

63163

UP

6

**Preview JBL Expedition Venezuela 2016**

**JBL NovoBea****For guppy and other small aquarium fish**

- For small fish and fry of 1 – 5 cm length.
- Phosphate contents precisely balanced for reduced algae growth and optimum fish growth.
- Contains natural vitamin E as an antioxidant.
- 52 raw materials in 7 types of flakes offer great variety.
- With stabilized vitamin C.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30160 | 100 ml | 28 g | 6 |
| 30165 | 12,5 l | 4000 g | 1 |

**JBL NovoTom Artemia****Powder food for young fish, containing artemia (brine shrimp)**

- Food size optimally suited for newborn fry of livebearing fish.
- Nutritionally balanced to promote healthy growth.
- Special finely-ground ingredients.
- With brine shrimp ingredients for better growth and more beautiful colours.
- With natural Vitamin E as antioxidant.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30253 | 100 ml | 60 g | 6 |

**JBL NovoBaby****Breeding-diet set for young fish**

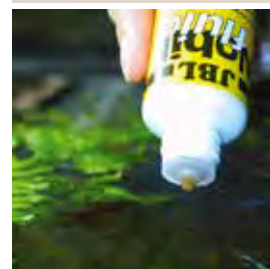
- 3 Food tins containing various grades of diet in a set.
- 3 foodsizes:
 - 1.) Newborns up to 15 mm
 - 2.) approx. 15 - 30 mm
 - 3.) from about ca. 30 mm
- With vital vitamins and inositol, an essential biological component, to strengthen the immune system.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30254 | 30 ml | 18 g | 6 |

**JBL NobilFluid Artemia****Liquid breeding diet containing brine shrimp and vitamins**

- For fry of egg-laying fish, which are too small for powder food.
- Contains brine shrimp to facilitate growth.
- Ultra-fine homogenate of over 50 raw ingredients.
- With a special multivitamin complex and stabilised vitamin C.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30881 | 50 ml | 54 g | 6 |

**JBL ArtemioMix****Artemia ready-mix (eggs/salt)**

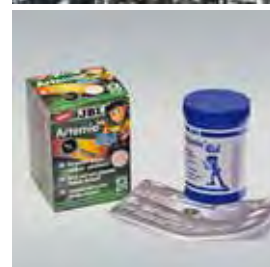
- A ready mix comprised of brine shrimp eggs with salt and micro-algae to feed your crustaceans.
- Simply add 3 measuring spoonfuls (included) to 0.5 l mains water. Salt contains a buffer system for an optimum pH level of the water. The brine shrimp hatch after 24 – 36 hours.
- 230 g ready mix for 14 applications of 0.5 l each.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30902 | 200 ml | 230 g | 3 |

**JBL ArtemioKid****Children's ready-mix set for saline shrimp**

- Ready-mix comprised of special salt and Artemia eggs.
- Larvae (nauplii) hatch after 24 – 48 hours.
- Ready-mix for 7 - 8 litres of water.
- Easy to use mixture for children to cultivate saline shrimp.
- Must be fed with JBL ArtemioFluid after hatching.
- Contents: 230 g (Artemia eggs/ salt mixture)

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30903 | 200 ml | 230 g | 3 |

**JBL ArtemioFluid****Liquid food for Artemia nauplii**

- Liquid food comprised of ultra-fine homogenized phytoplankton (algae) and other vital nutrients for breeding Artemia nauplii. Simply add to the water a drop at a time.
- Light green colouring of the water indicates the right amount of food.
- More food should be given when the water is clear again.

| Art. no. | Content | UP |
|--------------|---------|----|
| 30904 | 50 ml | 6 |





- JBL ArtemioSal**
Special salt with micro algae for cultivating Artemia
- 230 g salt for 7 litres of culture solution.
 - Contains phytoplankton (microalgae) to feed Artemia nauplii after the yolk sac has been used up.
 - A special buffer system ensures an optimal water pH level, which should not be too low.
 - Dissolves readily, easy to use.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30906 | 200 ml | 230 g | 3 |



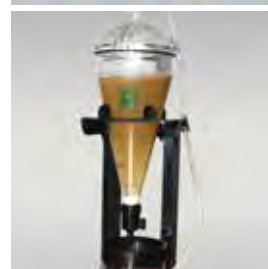
- JBL ArtemioPur**
Artemia eggs (top quality)
- Home-grown live food: put the eggs into saltwater and you have your own live food after 24 hours.
 - Top quality Artemia eggs with maximum hatching rate.
 - Packed using nitrogen to guarantee hatching rate even after longer storage.
 - Includes practical dosage spoon.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30907 | 40 ml | 20 g | 6 |



- JBL ArtemioSet**
Breeding set for Artemia nauplii
- Live food home-grown in 24 hours.
 - Complete cultivation equipment with stand, air pump and 1.8 m air hose.
 - Harvesting container and Artemia sieve (0.15 mm mesh) also included.
 - The container has been skilfully designed to allow the air from the air pump to be fed to further breeding containers.
 - Funnel shape ensures constant movement of all nauplii.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 61060 | | | 2 |



- JBL Artemio 1**
Extension for ArtemioSet
- Complete breeding container as in ArtemioSet, but without air pump and hose.
 - Includes a stand which can be permanently connected to other Artemio stands.
 - Optional wall-mounting.
 - Likewise with a means for redirecting the air flow to additional breeding containers.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 61061 | | | 2 |



- JBL Artemio 2**
Harvesting container for Artemio
- Transparent harvesting container from sturdy plastic.
 - Artemia sieve (JBL Artemio 3) and sieve set (JBL Artemio 4) exactly fit onto upper opening.
 - Also suitable for other types of live food.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 61062 | | | 3 |



- JBL Artemio 3**
Artemia sieve
- Mesh size 0.15 mm.
 - Catches Artemia nauplii and lets saltwater run through.
 - Fits exactly on harvesting container (JBL Artemio 2).
 - Also suitable for other types of live food.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 61063 | | | 3 |



- JBL Artemio 4**
Sieve combination for live food
- 4 top quality sieves to separate live food from transport water.
 - Sieve sizes: 0.15 mm, 0.30 mm, 0.60 mm and 1.00 mm.
 - Perfect for Artemia, mosquito larvae, Tubifex, Mysis, water fleas etc.
 - All sieves, used in succession, separate live food, e.g. water fleas, into different sizes to feed different sizes of fish according to their needs.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 61064 | | | 3 |



You Tube

**JBL PlanktonPur® S****Natural food from arctic waters for fish sized 2 - 6 cm**

- 100% fresh and pure plankton (crustaceans and molluscs 0.2 - 0.5 mm in size) without preservation agents for fresh and salt water fish.
- Well and freshly proportioned, a 2 g stick contains food for fish in aquariums up to 200 l (5 g stick for > 250 l).

| Art. no. | Content | UP |
|--------------|---------|----|
| 30031 | 8x2 g | 6 |
| 30033 | 8x5 g | 6 |



You Tube

**JBL PlanktonPur® M****Natural food from arctic waters for fish sized 4 - 14 cm.**

- Fresh and pure plankton (100% crustaceans and molluscs 2 mm in size) without preservation agents.
- Well and freshly proportioned, a 2 g stick contains food for fish in aquariums up to 200 l (5 g stick for > 250 l).
- Perfect and species-appropriate food for fresh and salt water.

| Art. no. | Content | UP |
|--------------|---------|----|
| 30035 | 8x2 g | 6 |
| 30037 | 8x5 g | 6 |



JBL PlanktonPur – a pure natural product from clean arctic waters

JBL PlanktonPur contains pure natural zooplankton with no preservatives.

Zooplankton is the primary source of food for many fish species in fresh water and salt water. These fish species have adapted to this diet in the course of many generations.

The zooplankton for JBL PlanktonPur is caught sustainably using a special method in the cold, unpolluted arctic waters of Norway.

Immediately after the zooplankton for JBL PlanktonPur (mostly crustaceans and molluscs) is caught, it is gently preserved using a new method which does not require any preservatives.

Plankton Pur

100 % PREMIUM SELECTION



**JBL Gala****The premium main food for connoisseurs**

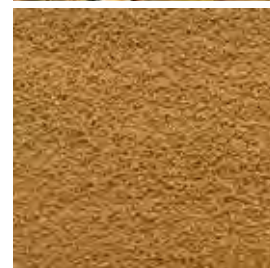
- NEW: With zoo plankton (animal plankton, e.g. 20% shrimp) so that even the choosiest of fishes like it.
- Contains 2 % appetite-stimulating garlic. No cloudy water.
- Strong and healthy growth with little water pollution due to a naturally balanced protein-fat ratio.
- Fish fillets sourced from side leftovers from fish fillet production for human consumption.
- As a result, there is no threat to the natural fish populations.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40430 | 100 ml | 15 g | 6 |
| 40431 | 250 ml | 38 g | 6 |
| 40432 | 1000 ml | 160 g | 3 |
| 40433 | 5500 ml | 950 g | 1 |

**JBL Grana CLICK****Premium granular main food for small fish**

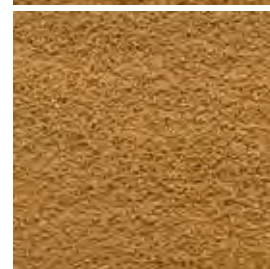
- With the convenient click dosage lid. One click provides the food dose for 5 fishes. For feeding fish from all water layers.
- Floats, hovers and a part sinks in the water.
- Production that is easy on the raw materials due to high-temperature short-time (HTST) treatment.
- Specially selected raw materials produce a very high acceptance.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40646 | 100 ml | 43 g | 6 |
| 40647 | 250 ml | 108 g | 6 |

**JBL Grana****Premium class staple granules for small fish**

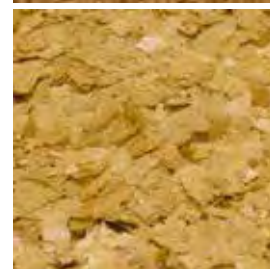
- For feeding of fish of water layers.
- Floats, hovers, and a part sinks in the water.
- Production that is easy on the ingredients due to high-temperature short-time (HTST) treatment.
- Specially selected ingredients ensure very good acceptance.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40512 | 250 ml | 108 g | 6 |

**JBL Krill****Premium class krill flakes**

- The main diet of the blue whale, krill, is the concentrated feed of the oceans. Rich in proteins, unsaturated fats and carotene.
- A special ultra-fine grinding process eliminates any danger of gastro-intestinal injury to freshwater fish from the sharp spines of these deep-sea shrimps.
- Perfect for freshwater fish and marine fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40581 | 100 ml | 16 g | 6 |
| 40582 | 250 ml | 40 g | 6 |

**JBL GranaDiscus CLICK****Premium granules for discus**

- Semi-floating granules.
- Composition and particle size optimally tuned to discus cichlids.
- Premium raw materials such as fish fillet improve the growth and resistance of these hard-to-please cichlids.
- Does not stain water.
- High-quality astaxanthin and carotinoids improves the colouring of fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40651 | 250 ml | 110 g | 6 |

**JBL GranaDiscus****Premium granules for discus**

- Semi-buoyant granules.
- Composition and particle size optimally tuned to discus fish.
- Premium raw materials such as fish fillet improve the growth and resistance of these hard-to-please cichlids.
- Does not colour water.
- High-quality astaxanthin and carotinoids improve the colour definition of fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40520 | 250 ml | 110 g | 6 |
| 40521 | 1000 ml | 440 g | 3 |



**JBL GranaCichlid CLICK****Premium granules for carnivorous cichlids**

- Semi-floating premium granular food for medium-sized carnivorous cichlids.
- The meat content consists exclusively of fish proteins.
- Production with high-temperature short-time treatment that is easy on the ingredients.
- Also available as a refill pack without the click dosage lid.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40655 | 100 ml | 44 g | 6 |
| 40656 | 250 ml | 110 g | 6 |

**JBL Grana Cichlid****Premium granules for carnivorous cichlids**

- Semi-floating granular food for medium-sized carnivorous cichlids.
- The meat content consists exclusively of fish proteins.
- Production that is easy on the ingredients due to high-temperature short-time (HTST) treatment.
- Also serves as a refill container for JBL GranaCichlid with click lid.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40562 | 250 ml | 105 g | 6 |

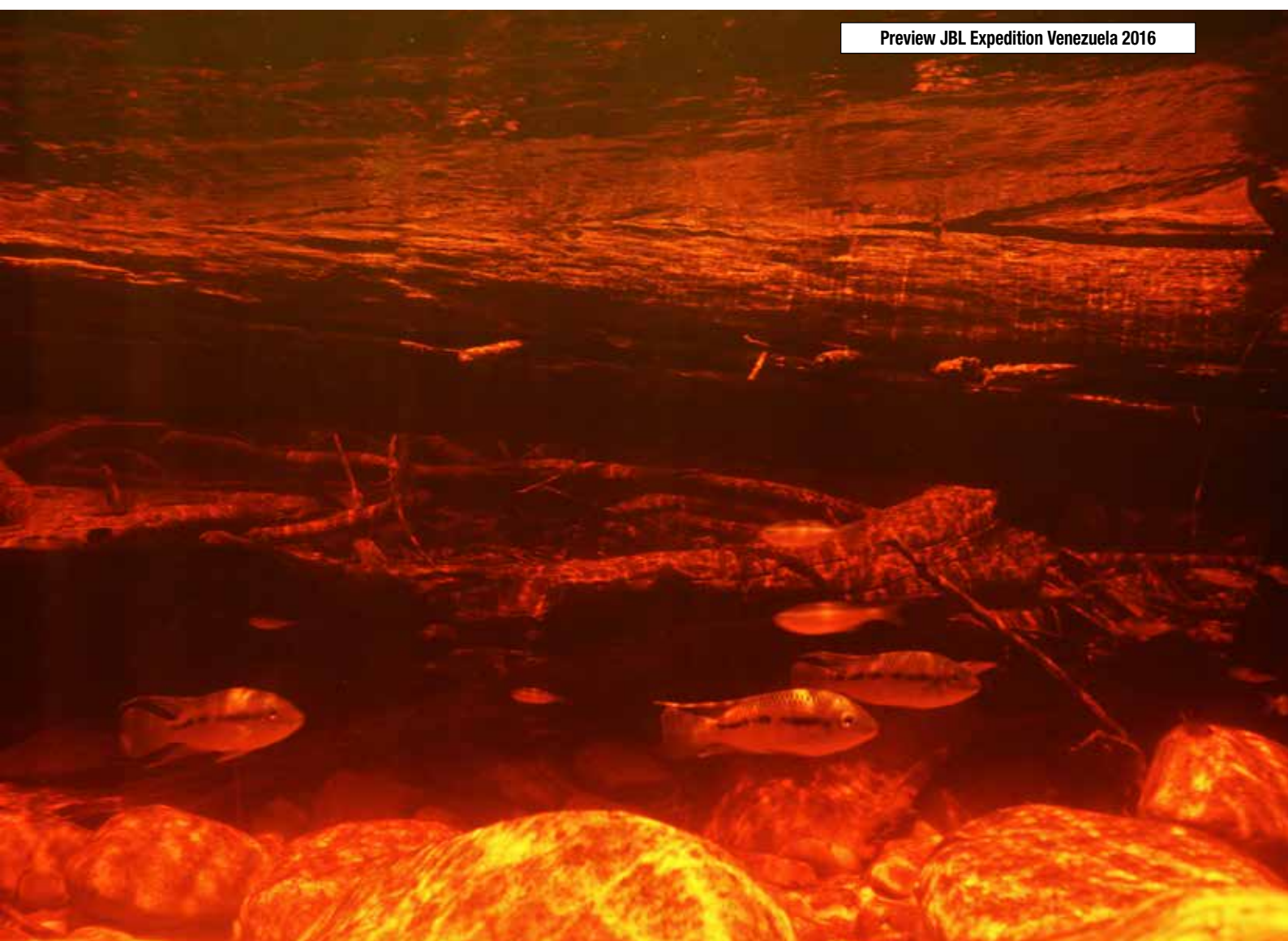
**JBL Spirulina****Special flakes for algae grazers in freshwater and saltwater**

- Premium Spirulina flakes with 40 % protein-rich spirulina algae (Spirulina platensis).
- Spirulina platensis has a protein content of over 65 %!
- Special features: Ensures perfect acceptance with finely ground whole shrimp (6 %)!.
- Garlic (1 %) promotes the health of the fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30004 | 100 ml | 16 g | 6 |
| 30001 | 250 ml | 40 g | 6 |
| 30002 | 1000 ml | 160 g | 3 |
| 30003 | 5500 ml | 950 g | 1 |



Preview JBL Expedition Venezuela 2016



Food > Premium > Goldfish



JBL GoldPearls CLICK

Premium food pellets for fantail goldfish and other cultivated forms of goldfish.

- With the convenient click dosage lid. 1 X click is enough for 5 fish.
- Sinking food pearls.
- Specially adapted to the needs of these fish, a high level of plant proteins and animal proteins from wheat germs, spirulina, soy and fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40630 | 100 ml | 58 g | 6 |
| 40631 | 250 ml | 145 g | 6 |

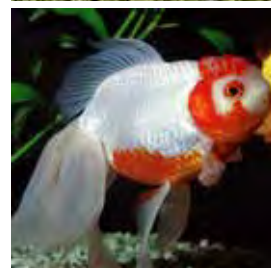


JBL GoldPearls

Premium class pellets for fantails and ornamental goldfish

- Sinking food pellets.
- Specially adapted to the needs of these fish, a high level of plant proteins and animal proteins from wheat germ, spirulina, soy and fish.
- Phosphate contents precisely adjusted to reduced algae growth and optimum fish growth.
- Also serves as a refill container for JBL NovoPearls Click.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40634 | 100 ml | 58 g | 6 |
| 40635 | 250 ml | 145 g | 6 |
| 40636 | 1000 ml | 580 g | 3 |
| 40637 | 12,5 l | 6800 g | 1 |



JBL GoldPearls mini CLICK

Premium food pellets for small veiltail goldfish and other fancy goldfish.

- With the convenient click dosage lid.
- 1 x click for the food dose for 5 fish.
- 1-2 mm food pearls for young goldfish and fancy goldfish. Spirulina and carotenoids lead to brilliant colouring!
- Sinking food pearls to prevent the fish from taking in air at the water surface.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40643 | 100 ml | 56 g | 6 |



JBL GoldPearls mini

For small fantails and other goldfish breeds

- For young goldfish and fancy goldfish.
- Size: 1-2 mm. Spirulina and carotenoids lead to brilliant colouring!
- Sinking food pellets prevent the problem of fish from taking in air at the water surface.
- Also serves as a refill container for JBL NovoPearls mini Click.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40644 | 100 ml | 56 g | 6 |



NOTE!
100+250 ml only available with FR/NL label.
ATENCIÓN! 100+250ml solamente disponible con etiqueta Frances/Olandes

Food > Premium > Tablet food



JBL Tabis

Premium class food tablets with exclusive ingredients

- Food tablets adhere to the aquarium glass.
- Contain 10% high-protein deep-sea krill.
- With 6% healthy spirulina algae.
- Free of water-polluting binding agents.
- Equally suitable for plecos and free-swimming fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40600 | 100 ml | 58 g | 6 |
| 40620 | 250 ml | 160 g | 6 |



Food > Vitamins



JBL Atvitool

Multivitamin emulsion with essential amino acids

- To specifically increase vitamin levels of frozen, live, freeze-dried and dried food of all kinds.
- Increases resistancy of fish and prevents deficiency symptoms.
- A special emulsifying process with lecithin ensures full 100 % availability of the fat-soluble vitamins.

| Art. no. | Content | UP |
|--------------|---------|----|
| 20300 | 50 ml | 6 |



Preview JBL Expedition Venezuela 2016



Overview Care Products

The best solutions for your aquarium

With the right products, caring for your aquarium is not only easy but can also be fun! You may not, at first glance, notice the intensive research that lies behind the composition of JBL products, especially the care products, but in the medium- and long-term you will certainly see the results in your beautiful aquariums and healthy fish. And just in case a problem does arise, you will find that experts and veterinarians are also committed users of JBL remedies and other problem solvers.



Water conditioner

Bacteria Starter

Problem solver

Remedies



JBL Biotopol

Water conditioner

- Conditions tap water quickly to convert it into biotope aquarium water.
- Noticeably protects the mucous membranes, gills, skin and fins.
- For every water change and all new tanks.
- Neutralizes toxic heavy metals (e.g. copper) and chlorine.
- Vitamin B complex has been proven to reduce stress in fish.
- Aloe vera plant extract protects the mucous membranes of the fish.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 23001 | 100 ml | 400 l | 12 |
| 23002 | 250 ml | 1000 l | 6 |
| 23003 | 500 ml | 2000 l | 3 |
| 20032 | 5000 ml | 20000 l | 1 |



JBL Biotopol Refill

Water processor in the environmentally friendly refill bag

- Treats tap water quickly to convert it into aquarium water that is suitable for a biotope.
- 1:1 the same optimum composition as JBL Biotopol in the original bottle.
- 500 ml + 125 ml cost-free bonus – you save money – JBL saves on packaging. Active environmental protection in the aquatic field.
- 10 ml / 40 l water = 625 ml for 2500 l aquarium water.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23005 | 625 ml | 2500 l | 6 |



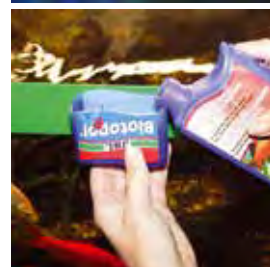
JBL Biotopol R

Water conditioner for goldfish

- Converts aggressive tap water into biotope-like water for goldfish. Neutralises chlorine, chlorine compounds and other disinfectants. Protects the sensitive mucous membranes of goldfish.
- Renders heavy metals such as lead, copper, zinc etc. harmless. Specially balanced to meet the needs of coldwater fish.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 23011 | 100 ml | 200 l | 12 |
| 23012 | 250 ml | 500 l | 6 |

250 ml only available with FR/NL label.
NOTE!
100+250 ml only available with FR/NL label.
ATENCIÓN! 250ml solamente disponible con etiqueta Frances/Olandes

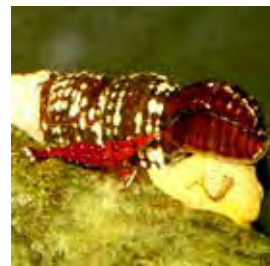


JBL Biotopol C

Water conditioner for crustacea and shrimp

- Reliably absorbs lethal copper.
- For initial setup and water changes.
- Minerals support moulting.
- Neutralizes chlorine compounds.
- Vitamin B-complex protects against stress.
- No harmful effect on the shell (chitin) of crustaceans or shrimp.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 23020 | 100 ml | 400 l | 12 |



JBL Acclimol

Acclimatisation protection

- Reduces stress when new fish are acclimatising.
- Increases the resistance of all fish species.
- Facilitates fish keeping.
- Aloe Vera protects mucous membranes.
- Multivitamin complexes with vitamin C and inositol strengthen the immune system.
- An iodine complex prevents iodine deficiency symptoms.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 23071 | 100 ml | 400 l | 6 |
| 23072 | 250 ml | 1000 l | 6 |
| 23073 | 500 ml | 2000 l | 3 |
| 20056 | 5000 ml | 20000 l | 1 |



JBL Tropol

Tropical water conditioner

- Creates crystal clear tropical water conditions and prevents algae. Fosters good health in fish through humic substances from peat and tannin from oak bark.
- Active iodine encourages spawning.
- Improves acclimatization of all black water fish (e.g. neon fish, angelfish, discus, etc.).
- Alleviates stress.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 23066 | 100 ml | 400 l | 6 |
| 23067 | 250 ml | 1000 l | 6 |
| 20055 | 5000 ml | 20000 l | 1 |

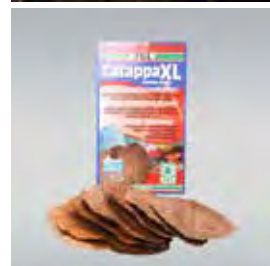


JBL Catappa XL

Healing Indian almond leaves in the XL format

- Astringent effect.
- Simply lay the leaves in the aquarium. The effect of the ingredients begins with no further action required and lasts 1 – 3 weeks.
- Harvested directly from the tree, cleaned and sun-dried.
- 1 leaf (approx. 24 cm long) to 50 – 100 l.

| Art. no. | Content | Range | UP |
|--------------|-----------|--------|----|
| 25198 | 10 Pieces | 1000 l | 12 |





JBL Denitrol

Bacteria starter

- Biological nitrite removal. Detoxifies water with a fast starting formula using highly active cleansing bacteria and enzymes. For the prevention of fish loss. 8 complementary bacterial cultures for the breakdown of proteins (heterotropic bacteria), ammonium and nitrite. The first fish can be added to the newly established aquarium 48 hours after the application of JBL Denitrol.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23061 | 100 ml | 3000 l | 6 |
| 23062 | 250 ml | 7500 l | 6 |



JBL FilterStart

Bacteria starter for all filters

- Concentrate of 15 million bacteria which break down pollutants, in particular proteins, ammonium/ ammonia and nitrite.
- Specially recommended after bactericidal medications such as JBL Ektol fluid and after any addition of salt!
- Activates all filters up to 3 litres in volume.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 25182 | 10 ml | 3 l | 24 |



JBL FilterStart Red

Bacterial starter for goldfish aquariums

- Shortens biological run-in time to 24 hours, after which the first goldfish can be introduced.
- Sufficient to start max. 30 l aquarium.
- Designed for both the biological start-up of filters and for aquariums.
- Concentrate containing 15 million beneficial bacteria which absorb proteins, ammonium/ammonia and nitrite.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 25184 | 10 ml | 3 l | 24 |



NOTE!
This product is only available with French/Dutch label.
ATENCIÓN! Este producto está solamente disponible con etiqueta Frances/Olandesa

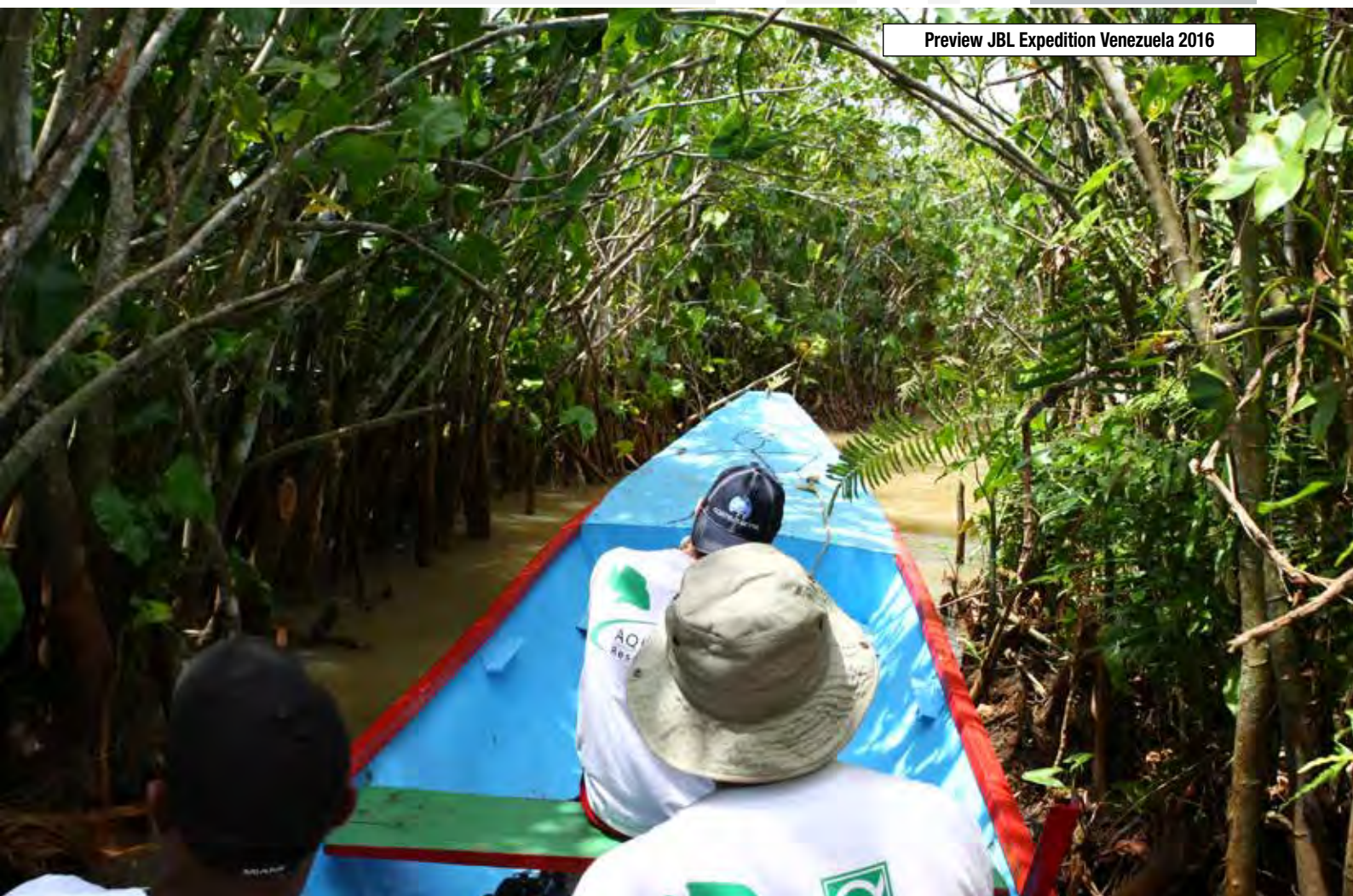


JBL FilterBoost

Optimizes the efficiency of the filter

- Pure bacteria specially cultured on mineral granulate.
- Prolongs the cleaning intervals of all filters of up to 6 liter filter volume.
- Heterotrophic bacterial strains effectively break down slime and sediment, preventing the filter material from becoming clogged.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 25185 | 25 ml | 6 l | 24 |





JBL PhosEx rapid

Phosphate remover in liquid form

- Removes the algae nutrient phosphate (PO_4) within a few hours.
- The phosphates are absorbed and can be removed from the water by the filter.
- No harmful side-effects.
- Only suitable for freshwater.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 25194 | 100 ml | 400 l | 6 |
| 25195 | 250 ml | 1000 l | 6 |



JBL Clynol

Liquid filter medium

- Cleans and clarifies aquarium water by natural micro-fine minerals which absorb materials through their special surface structure. Removes natural and chemical discolouration and particles causing cloudiness.
- Binds heavy metals, ammonium, proteins and odours.
- Creates crystal-clear aquarium water without any chemical substances.
- Overdosage is non-hazardous.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 25190 | 100 ml | 400 l | 6 |
| 25191 | 250 ml | 1000 l | 6 |
| 25192 | 500 ml | 2000 l | 3 |



JBL Clearol

Water clarifier

- Produces crystal clear water in no time at all.
- Removes all types of cloudiness not collected by the filter.
- Only use with pH-levels over 6 and KH levels over 5° dKH!

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23031 | 100 ml | 400 l | 6 |
| 23032 | 250 ml | 1000 l | 6 |
| 23033 | 500 ml | 2000 l | 3 |



JBL OxyTabs

Oxygen tablets

- Oxygen in tablet form to increase the oxygen content of the aquarium in the short term or during fish transport for a maximum of 3 hours.
- One tablet contains 30 mg oxygen and is sufficient for 10 litres water.

| Art. no. | Content | Range | UP |
|--------------|----------|-------|----|
| 20080 | 50 Tabl. | 500 l | 6 |



JBL pH-Minus

pH- / KH- reducer

- Phosphate-free preparation to safely reduce the pH level.
- Every influence on pH must be checked with a pH test.
- Contains a natural oak extract. The KH should be checked and adjusted to 4 - 8° dKH prior to use. (with JBL AquaDur).

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23046 | 100 ml | 400 l | 6 |
| 23047 | 250 ml | 1000 l | 6 |



JBL pH-Plus

pH- / KH- increaser

- Reliably increases pH and KH.
- 10 ml for 40 l water increase the KH by about 1° GKH.
- JBL CalciuMarin should be used to increase KH and calcium in seawater.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23056 | 100 ml | 400 l | 6 |
| 23057 | 250 ml | 1000 l | 6 |

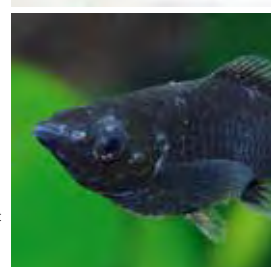


JBL Ektol cristal®

Tonic to treat stress and regenerate the mucous membrane

- Oxygen releasing saline mixture which is effective in reducing stress in fresh water fish and supports the regeneration of mucous membranes. Is effective in assisting medicinal treatment against parasites in the mucous membrane.
- Especially with livebearing fish the stability of the fish is supported by adjusting the salt content.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 10041 | 80 g | 800 l | 6 |
| 10050 | 240 g | 2400 l | 3 |
| 10055 | 3000 g | 30000 l | 1 |



*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.
*Por preguntas sobre riesgos e efectos secundarios por favor leer el manual de instrucciones e consultar su veterinario o farmacia



JBL Aquadur

Minerals to stabilise the pH

- Species-appropriate increase in KH and balancing of pH (incl. measuring spoon).
- Helps prevent mineral deficiency in fish (hole-in-head disease) and plants.
- Adds minerals to every soft water (soft tap water, source water and osmosis water) the same as they are found in the habitat of the tank inhabitants.
- Increases approx. 3000 l by 1 °dKH and 1.6 °dGH.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 24902 | 250 g | 3000 l | 3 |



JBL Aquadur Malawi/Tanganjika

Water conditioning minerals for aquariums containing Malawi/Tanganyika cichlids

- Produces sea-like hardness with the KH higher than the GH due to sodium carbonates.
- Fish exhibit prettier colours and a higher hatching rate among juvenile fish.
- Lake values: Lake Malawi: GH 5°, KH 7°, Tanganyika: GH 10°, KH 18°.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 24903 | 250 g | 800 l | 3 |

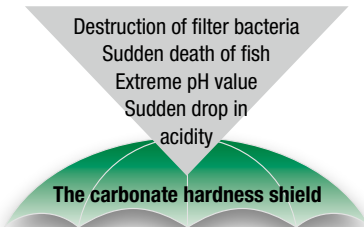


Carbonate Hardness – The Life Insurance for the Aquarium

The carbonate hardness (not the general hardness!) contains components which stabilize the pH level. They prevent extreme pH levels and ensure the aquarium functions properly.

What is the benefit of the correctly adjusted carbonate hardness?

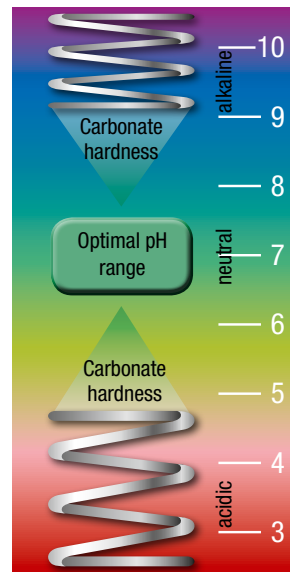
A KH between 5 and 12 °dKH gives the water a stable pH level, so that the pH level hardly fluctuates. This stable pH value in turn



enables the filter bacteria to work optimally, the water values improve and the fish are less susceptible to diseases. Stable pH levels prevent a sudden drop in acidity (drastic drop of the pH into the acidic range) and an extreme rise into high ranges around 10.

How can you increase the carbonate hardness?

It's very easy to increase the KH, if it is under 5 °dKH: Through the addition of JBL Aquadur (a mixture of various mineral salts) you can continuously raise the KH of your water to values over 5 °dKH. Just add JBL Aquadur into the aquarium water, where it will dissolve. In a final measurement you then will find a value between 5 and 12 °dKH.



JBL Algal

Algaecide

- Solves algae problems.
- Effective without copper.
- Reliably combats green, brown, slimy, filamentous (blanket weed), floating and spot algae.
- The effect is such that results are only seen after a few days, but in return the plants do not suffer any damage!

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23022 | 100 ml | 400 l | 12 |
| 23023 | 250 ml | 1000 l | 6 |

Use biocides safely.
Always read the labelling and product information before use.
Usar biocidas con cuidado.
Siempre leer la etiqueta e información sobre el producto prima del uso.



Recognize diseases and deficiencies in time.

| | | | | |
|--|--|---|---|--|
| <p>Punktol <i>Plus / Red</i></p>  <p>White spot disease</p>  <p>Cryptocaryon</p> <p>An effective remedy for:</p> <ol style="list-style-type: none"> 1. White spot (Ichthyophthirius multifiliis) 2. Saltwater ick (Cryptocaryon irritans) 3. Slimy skin (Costia necatrix) 4. Saltwater slimy skin (Brooklynella hostilis) 5. Glossatella / Heteropolaria 6. Trichodina 7. Chilodonella  | <p>Ektol fluid <i>Plus</i></p>  <p>Fin rot</p>  <p>Mouth rot</p> <p>An effective remedy for:</p> <ol style="list-style-type: none"> 1. Fin rot (Aeromonas-, Pseudomonas- and Myxo- or Flexi-bacteria) 2. Columnaris (mouth rot) 3. Bacterial fin rot  | <p>OodinoI <i>Plus</i></p>  <p>Freshwater oodinium</p>  <p>Saltwater oodinium</p> <p>An effective remedy for:</p> <ol style="list-style-type: none"> 1. Oodinium pillularis (freshwater velvet disease). 2. Oodinium limneticum (North American freshwater velvet disease). 3. Oodinium ocellaris (saltwater velvet disease).  | <p>Fungol <i>Plus</i></p>  <p>Fungal infection</p>  <p>Fungal infection</p> <p>An effective remedy for:</p> <ol style="list-style-type: none"> 1. Fungus (Saprolegniaceae) 2. Mycosis of spawn 3. Achlya  | <p>Ektol bac <i>Plus</i></p>  <p>External bacterial infection</p>  <p>Open ulcers</p> <p>An effective remedy for:</p> <ol style="list-style-type: none"> 1. External bacterial diseases 2. Open ulcers 3. Bloodshot spots 4. Bleeding  |
|--|--|---|---|--|

First Aid for your aquarium fish



Gyrodol

Plus



Gill fluke infections (gaping, reddened gills)



Microscope view of gill flukes

An effective remedy for:

1. Gill flukes (*Dactylogyrus*),
2. Skin worms (*Gyrodactylus*),
3. Tapeworms (*Cestodae*)



Aradol

Plus



Anchor worm



Carp lice

An effective remedy for:

1. Carp lice, (*Argulus*)
2. Anchor worms (*Lemaea*)
3. Gill flukes (*Dactylogyrus*)



Nedol

Plus



Worm infection



Microscope view of hair worms

An effective remedy for:

1. Hair worms (*Capillaridae*),
2. Pinworms (*Oxyuridae*),
3. Camallanus worms (*Camallanidae*) or other nematodes.



Spirohexol

Plus



Hole in the head disease



Hole in the head disease

An effective remedy for:

1. Hole in the head disease
2. Flagellates (*Spironucleus*, *Hexamita*)



Ektol cristal



Supplementary tonic

Supports treatment of pathogens in the skin of fish by supplying the mucous membrane with salt to help it regenerate



**VORSPRUNG DURCH
FORSCHUNG**
AHEAD THROUGH RESEARCH





JBL Punktol Plus® 125

For treatment of white spot and other ectoparasites

- Also effective against Trichodina, Chilodonella, Cryptocaryon, Brooklynella, Glossatella and others.
- Does not contain copper, no adverse side effects known in fish. Under some circumstances also suitable for invertebrates (fresh water shrimps do not show any problems).
- Half a dose of JBL Ektol cristal® has a supportive effect in removing parasites from the fish.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 10065 | 100 ml | 1000 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Punktol Plus® 250

For treatment of white spot and other ectoparasites

- Also effective against Trichodina, Chilodonella, Cryptocaryon, Brooklynella, Glossatella and others.
- Does not contain copper, no adverse side effects known in fish. Under some circumstances also suitable for invertebrates (fresh water shrimps do not show any problems).
- Half a dose of JBL Ektol cristal® has a supportive effect in removing parasites from the fish.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 10066 | 100 ml | 2000 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Punktol Plus® 1500

For treatment of white spot and other ectoparasites

- Also effective against Trichodina, Chilodonella, Cryptocaryon, Brooklynella, Glossatella and others.
- Does not contain copper, no adverse side effects known in fish. Under some circumstances also suitable for invertebrates (fresh water shrimps do not show any problems).
- Half a dose of JBL Ektol cristal® has a supportive effect in removing parasites from the fish.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 10068 | 50 ml | 12500 l | 1 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



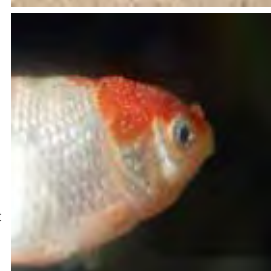
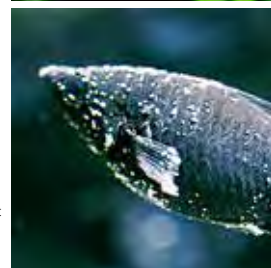
JBL Punktol Red Plus® 125

For treatment of white spot and other ectoparasites in goldfish

- For goldfish and other species in unheated aquariums.
- Also effective against e.g. Trichodina, Chilodonella, Glossatella.
- Does not contain copper, no adverse side effects known in fish.
- Suitable to a limited extend for invertebrates (fresh water shrimps do not show any problems).
- Half a dose of JBL Ektol cristal® has a supportive effect in detaching parasites from the fish.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 10080 | 100 ml | 1000 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Online Hospital

JBL Online Hospital

Sick fish? The right diagnosis at the click of a mouse with JBL ONLINE HOSPITAL on your computer!

- Search function
- Picture-based diagnosis
- Text-based diagnosis
- Therapy



The free advice site for diagnosis and therapy at www.JBL.de



JBL Oodiniol Plus® 250

For treatment of oodinium (velvet disease)

- Acts against dinoflagellates of the oodinium group by increasing the copper content to 0.3 mg/l.
- The JBL Copper Test Cu should be used to check and set the exact dosage.
- Combats all kinds of oodinium parasites in fresh and salt water.
- Never use with invertebrates in fresh or salt water!

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 10076 | 100 ml | 1000 l | 3 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Ektol fluid Plus®

Against mouth- and fin rot

- Rapid treatment of fin rot and other external bacterial infections.
- Successfully prevents secondary bacterial infections.
- Coverage: 250 l of tank water. Dosage: 10 ml for 25 l of water; in case of repeated treatment 100 ml are enough for a 125 l tank.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10078 | 100 ml | 250 l | 6 |
| 10069 | 100 ml | 500 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Fungol Plus® 250

Against fungal infections

- Whitish, cotton ball-like films are a symptom of a fungal infection.
- Visible fungal infestation is a sign of a secondary infection caused by a skin injury.
- Coverage: 750 l of tank water. Dosage: Day 1 - 10 ml per 80 l of water (Component 1) and Day 7 - 10 ml per 80 l of water (Component 2); in case of repeated treatment 200 ml are enough for a 250 l tank.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10063 | 200 ml | 750 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Furanol Plus® 250

For treatment of internal and external bacterial infections

- Effective in treating species of Aeromonas, Pseudomonas, Columnaris, Flexibacter, Streptococcus bacteria and others.
- Helps treat ulcerous, reddened cracks and crater-like indentations, bloodshot places where the fins are attached, on the gill covers and at the anus, boil-like ulcers, frayed, whitish cloudy fins, etc.
- Suited for fresh and salt water.

| Art. no. | Content | Range | UP |
|--------------|----------|-------|----|
| 10070 | 20 Tabl. | 500 l | 4 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Ektol bac Plus® 250

For treatment of bacterial infections

- Effective against species of Aeromonas, Pseudomonas, Columnaris, Flexibacter bacteria and others.
- Helps treat open ulcers, punctiform bleeding, bloodshot places where the fins are attached, on the gill covers and at the anus, boil-like ulcers, protruding gill covers with whitish-yellow coloured gills along with markedly accelerated breathing.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10075 | 200 ml | 500 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



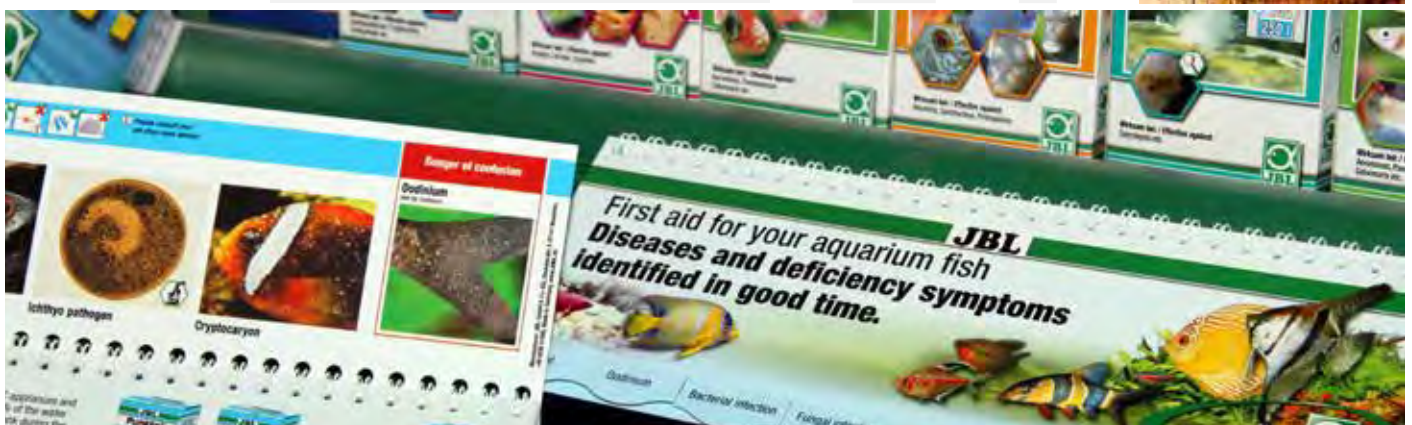
JBL Gyrodol Plus® 250

For treatment of skin worms & gill flukes

- A remedy against gill worms (Dactylogyrus), skin worms (Gyrodactylus) and tapeworms (Cestodae) in aquarium fish of the categories of carp-like, bass-like, catfish-like fish and toothcarp in fresh or salt water.
- Is not tolerated by invertebrates.
- Coverage: 500 l of tank water. Dosage: 10 ml / 50 l of water; in case of repeated treatment 100 ml are enough for a 250 l tank.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10072 | 100 ml | 500 l | 3 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.





JBL Aradol Plus® 250

For treating carp lice & anchor worms

- Effective against all parasitic crustaceans (carp louse, anchor worm, gill maggots, woodlice). Anchor worms are not worms but crustaceans.
- Do not use with shrimp and crustaceans!
- Coverage: 500 l of tank water. Dosage: 10 ml for 50 l of water; in case of repeated treatment 100 ml are enough for a 250 l tank.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10073 | 100 ml | 500 l | 6 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Nedol Plus® 250

For treatment of roundworms & Camallanus

- Highly effective over-the-counter medication against hair worms (Capillaridae), pinworms (Oxyuridae), Camallanus cotti (Camallanidae) and other nematodes.
- With nematodes only special medicaments like Nedol Plus helps. Remedies against other worm families are not effective against nematodes!
- Coverage: 750 l of tank water. Dosage: 10 ml / 75 l of water; in case of repeated treatment 100 ml are enough for a 250 l tank.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10074 | 100 ml | 750 l | 3 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



JBL Spirohexol Plus® 250

For treatment of flagellates & hole-in-head disease

- Effective in treating many species of flagellates such as Spironucleus and Hexamita.
- Hole-in-head disease is not caused by flagellates, but instead is primarily the result of insufficient water hygiene and one-sided nutrition as well as a diet that is low in vitamins and minerals.
- Amount required: 500 l of tank water.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 10071 | 100 ml | 500 l | 3 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



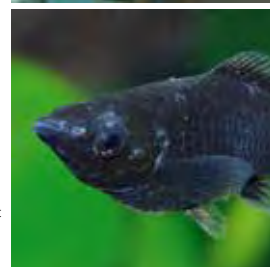
JBL Ektol cristal®

Tonic to treat stress and regenerate the mucous membrane

- Oxygen releasing saline mixture which is effective in reducing stress in fresh water fish and supports the regeneration of mucous membranes. Is effective in assisting medicinal treatment against parasites in the mucous membrane.
- Especially with livebearing fish the stability of the fish is supported by adjusting the salt content.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 10041 | 80 g | 800 l | 6 |
| 10050 | 240 g | 2400 l | 3 |
| 10055 | 3000 g | 30000 l | 1 |

*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.



| Family of parasites | English name | Scientific name | Aradol Plus | Gyrodol Plus | Nedol Plus |
|---------------------|------------------|-----------------|-----------------------------|--------------|------------|
| Crustaceans | Carp lice | Argulus | yes | | |
| Crustaceans | Fish lice | Livoneca | yes | | |
| Crustaceans | Anchor worms | Lernaea | yes | | |
| Tapeworms | Tapeworms | Cestoda | | yes | |
| Trematodes | Flat worms | Planarian | | yes | |
| Trematodes | Gill flukes | Dactylogyrus | (yes) | yes | |
| Trematodes | Skin flukes | Gyrodactylus | (yes) | yes | |
| Nematodes | Camallanus worms | Camallanus | | | yes |
| Nematodes | Hair worms | Capillaria | | | yes |
| Nematodes | Pinworms | Oxuridae | | | yes |
| Leeches | Leeches | New discovery: | No medication is effective! | | |

Overview Fertilisation in the Aquarium

The JBL Engine of Growth for your Plants

The JBL plant care concept leads to sturdy and healthy growth, even with the most demanding of water plants. JBL provides all the components needed for good plant care, ranging from fertilisers, through soil substrates, to the fully automatic CO₂ fertilisation system.

For plant care with results it is important to understand how the individual factors are related, and to know that it only works when ALL these factors are taken into account.



Fertilisers



Nutrient substrate



CO₂-fertiliser systems

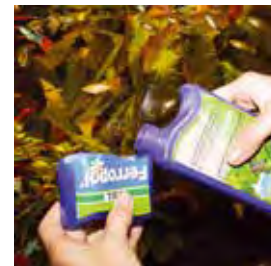


JBL Ferropol

Liquid complete fertiliser with trace elements

- For the absorption of nutrients through the leaves.
- Contains iron, potassium and other essential minerals and trace elements in plant-available form.
- Does not contain phosphates and nitrates.
- Remedies iron and potassium deficiency.
- Add 5 ml / 20 litres, either weekly or after fertiliser check (JBL Fe Test set).
- Harmless to freshwater crustaceans and shrimp.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 23041 | 100 ml | 400 l | 12 |
| 23042 | 250 ml | 1000 l | 6 |
| 23043 | 500 ml | 2000 l | 3 |
| 20175 | 5000 ml | 20000 l | 1 |

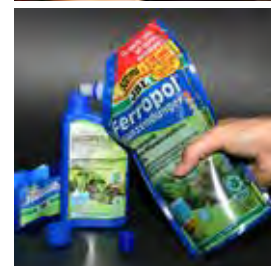


JBL Ferropol Refill

Plant fertiliser in an environmentally friendly refill bag

- Primary care for vital plant growth in aquariums.
- 1:1 the same optimum composition as JBL Ferropol in the original bottle.
- 500 ml + 125 ml cost-free bonus – you save money – JBL saves on packaging.
- 10 ml / 40 l water = 625 ml for 2500 l aquarium water.
- Active environmental protection in the aquatic field.

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 23045 | 625 ml | 2500 l | 6 |



JBL Ferropol 24

Daily fertiliser for aquarium plants

- The daily feed for luxuriant aquarium plants.
- Optimum, targeted care, provides all vital trace elements which cannot be provided by long-term fertilisers.
- Promotes lush growth, even in delicate aquarium plants.
- Contains no phosphates or nitrates.
- Optimum success together with JBL Ferropol (when changing water) and JBL AquaBasis plus (gravel substrate).

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 20180 | 10 ml | 10000 l | 6 |
| 20181 | 50 ml | 50000 l | 6 |

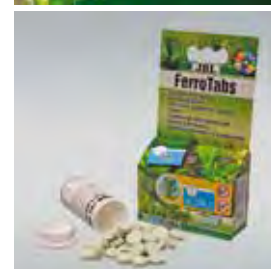


JBL FerroTabs

Staple fertiliser concentrate in tablet form to be dissolved in water

- For the absorption of nutrients through the leaves.
- With iron and all essential minerals and trace elements in a form readily-accessible for plants.
- Does not contain phosphates and nitrates.
- Remedies chronic iron and potassium deficiency.
- One tablet / 25 l every 14 days or after fertiliser check (Fe Test set).

| Art. no. | Content | Range | UP |
|--------------|----------|-------|----|
| 20200 | 30 Tabl. | 750 l | 6 |

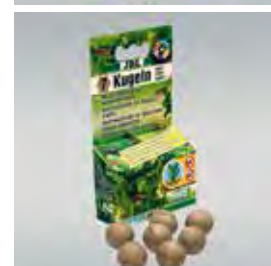


JBL The 7 balls

7 Root fertiliser balls

- For long-term root fertilising in an established aquarium.
- Contains iron and minerals in a form readily accessible for plants to absorb through the roots.
- Does not contain phosphates and nitrates.
- Depending on the plant size, press one or several balls into the root zone once a year.

| Art. no. | Content | Diameter | UP |
|--------------|---------|----------|----|
| 20110 | ca 70 g | 20 mm | 12 |



JBL The 7 + 13 balls

20 fertiliser balls for plant roots

- Long-term supply of root fertiliser for the established aquarium. Contains iron and minerals in a form readily accessible to plants through the roots.
- Free of algae-encouraging nitrate and phosphate.
- Depending on the size of the plants, press one or more balls into the root zone once a year.

| Art. no. | Content | Diameter | UP |
|--------------|----------|----------|----|
| 20111 | ca 200 g | 20 mm | 6 |



JBL Florapol

Long-term nutrient substrate concentrate

- When setting up a new aquarium, mix with the substrate and cover with a top layer of washed gravel/sand.
- Contains all the essential plant nutrients such as iron and clay. Acts as a nutrient depot, absorbing surplus nutrients or releasing them as required.
- Effective for minimum 3 years.
- Does not contain the algae nutrients phosphate and nitrate.

| Art. no. | Content | Range | UP |
|--------------|---------|-----------|----|
| 20121 | 350 g | 50-100 l | 6 |
| 20123 | 700 g | 100-200 l | 1 |





JBL AquaBasis plus

Ready-to-use long-term nutrient substrate mixture for new aquariums

- Does not require mixing with gravel.
- Contains all essential nutrients such as iron, minerals and trace elements.
- Clay pellets act as a nutrient store, absorbing excess nutrients and releasing them again as required.
- Does not contain the algae nutrients phosphate and nitrate. Effective for minimum 3 years.

| Art. no. | Content | Range | UP |
|--------------|---------|-----------|----|
| 20212 | 2,5 l | 50-100 l | 8 |
| 20210 | 5 l | 100-200 l | 4 |



JBL Display AquaBasis plus 5l (75x)

Pallet display

- Coloured display box with a coloured header.
- Contains 75 x 5 litres of JBL AquaBasis plus.
- The display is on a so-called Duesseldorf pallet (60 x 40 cm) for better handling in the store.

| Art. no. | Content | UP |
|--------------|-----------|----|
| 20215 | 75 Pieces | 1 |

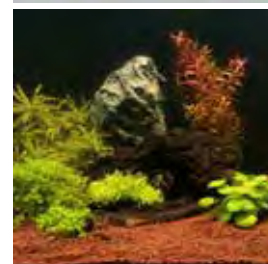


JBL Manado

Natural substrate which filters and enhances plant growth.

- Supports the filter with its large colonisation area for pollutant-absorbing bacteria.
- The dedicated structure supports the development of plant roots. Restricts the growth of algae by absorbing excess fertiliser from the water.
- The rounded shape is also gentle on the sensitive barbels of ground-dwelling fish.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 67021 | 1,5 l | 10 l | 10 |
| 67022 | 3 l | 25 l | 6 |
| 67023 | 5 l | 50 l | 3 |
| 67024 | 10 l | 100 l | 1 |
| 67025 | 25 l | 350 l | 1 |



JBL ProFloraStart Set

3-component starter set for successful plant care

- The JBL complete fertiliser kit for guaranteed success with planted aquariums.
- Contains:
 - JBL AquaBasis plus – long-term nutrient substrate mixture
 - JBL Ferropol – liquid basic fertiliser
 - JBL Ferropol 24 – daily fertiliser

| Art. no. | Content | Range | UP |
|--------------|---------|-----------|----|
| 20217 | 3 kg | 50-100 l | 8 |
| 20218 | 6 kg | 100-200 l | 4 |



JBL PROSCAPE

Underwater Dreamscapes

In cooperation with the most successful aquascapers the JBL research department developed a complete aquascaping program.

For the simple, professional design and sustainable care of your underwater dreamscapes.



TOOLS

TESTLAB

FERTILIZER

SOIL



www.PROSCAPE.de



**VORSPRUNG DURCH
FORSCHUNG**
AHEAD THROUGH RESEARCH





JBL ProScape Fe +Microelements

Basic fertiliser with iron, potassium, magnesium and the complete trace elements required by the plants.

- Contains a complete maintenance set for all aquatic plants without nitrogen and phosphorus, (where they have to be added separately). Especially developed for heavily planted aquascaping aquariums. Dosage is dependent on the intensity of illumination and the addition of CO₂.

| Art. no. | Content |
|--------------|---------|
| 21111 | 250 ml |
| 21112 | 500 ml |

| UP |
|----|
| 3 |
| 3 |



JBL ProScape NPK Macroelements

Nitrogen- phosphate- potassium plant fertiliser

- For all aquariums with low fish population, such as nano aquariums and aquascaping aquariums.
- Contains nitrogen (as nitrate), phosphorus (as phosphate) and potassium as well as magnesium for a targeted increase of these values.
- The use of a fertiliser, such as JBL Ferropol or JBL ProScape Fe +Microelements might be preferable in aquariums with higher fish population.

| Art. no. | Content |
|--------------|---------|
| 21114 | 250 ml |
| 21115 | 500 ml |

| UP |
|----|
| 3 |
| 3 |



JBL ProScape N Macroelements

Nitrogen fertiliser for aquatic plants

- For the fertilising of plants in aquariums with few or no fish population, such as nano aquariums and aquascaping aquariums. Standard dosage in aquariums with CO₂ fertilisation and a lot of light: 2 ml/100 l.
- Contains additional potassium, calcium and magnesium.
- Recommended level: 10 – 30 mg/l nitrate.
- The dosage can be checked with the JBL nitrate test.

| Art. no. | Content |
|--------------|---------|
| 21117 | 250 ml |

| UP |
|----|
| 3 |



JBL ProScape P Macroelements

Phosphate fertiliser for aquatic plants

- For the fertilising of plants in aquariums with low or no fish population, such as nano aquariums and aquascaping aquariums. Standard dosage in aquariums with CO₂ fertilisation and a lot of light: 2 ml/100 l.
- Recommended level: 0.1 – 1.5 mg/l.
- The dosage can be checked with the JBL phosphate test.
- Contains additional plant-available potassium.

| Art. no. | Content |
|--------------|---------|
| 21118 | 250 ml |

| UP |
|----|
| 3 |



JBL ProScape K Macroelements

Pure potassium fertiliser for aquatic plants

- For the fertilising of plants in aquariums with few or no fish population, such as nano aquariums and aquascaping aquariums. Standard dosage in aquariums with CO₂ fertilisation and a lot of light: 5 ml/100 l.
- Recommended level: 10 – 20 mg/l.
- The dosage can be checked with the JBL calcium test.

| Art. no. | Content |
|--------------|---------|
| 21120 | 250 ml |

| UP |
|----|
| 3 |



JBL ProScape Mg Macroelements

Magnesium fertiliser for aquatic plants

- Magnesium is important for the development of the green leaf pigment of the plants.
- Standard dosage in aquariums with CO₂ fertilisation and a lot of light: 5 ml/100 l.
- Recommended level: 5 – 10 mg/l.
- The dosage can be checked with the JBL magnesium test for freshwater.

| Art. no. | Content |
|--------------|---------|
| 21122 | 250 ml |

| UP |
|----|
| 3 |



JBL ProScape Volcano Powder

Trace elements & minerals for substrates in plant aquariums.

- Primary rock powder (volcanic soil material) with very high natural content of minerals and trace elements.
- Depot effect: enriched with macro nutrients for a long and optimal growth of the aquatic plants.
- Ideal as supplement for JBL ProScape Volcano Mineral, JBL Manado or other substrates.

| Art. no. | Content |
|--------------|---------|
| 67088 | 250 g |

| UP |
|----|
| 3 |





JBL ProFlora bio80 eco

Reasonably priced bio-CO₂ starter set

- Visible success with magnificent plant growth - and less algae as a result.
- Supplies tanks of 12 - 80 l with the basic nutrient for plants, namely carbon dioxide (CO₂), for 40 days.
- Easy assembly. Ready to use within minutes.
- Comes with a replacement cylinder, bio component, 2 m special black CO₂ hose, suction holders and an air stone.

Art. no.

63040

Range

30-80 l

UP

1



JBL ProFlora bio80

Complete bio-CO₂ starter set with mini-diffuser

- Comes with a professional mini CO₂ diffuser (JBL ProFlora Taifun P) for loss-free CO₂ enrichment of the water.
- Even sensitive plants grow significantly better.
- Supplies tanks of 12 - 80 l with the basic nutrient for plants, namely carbon dioxide (CO₂), for 40 days.
- The bio component (JBL ProFlora bioRefill) must be replenished after 40 days.
- Easy assembly within a few minutes.

Art. no.

63041

Range

30-80 l

UP

1



You Tube



JBL ProFlora bio160

Professional bio-CO₂ starter set with diffuser

- With an extendable mini CO₂ reactor (JBL ProFlora Taifun S) for fast, loss-free CO₂ enrichment of the water.
- Even red, fine, sensitive plants grow significantly better.
- Supplies tanks of 50 - 160 l with the basic nutrient for plants, namely carbon dioxide (CO₂), for 80 days.
- Easy assembly within a few minutes.

Art. no.

63042

Range

50-160 l

UP

1



JBL ProFlora bioRefill

Refill components for JBL bio-CO₂ systems

- Bio-components (A and B) for bio-CO₂ systems.
- Simply add complete refill to the reaction container and fill with water.
- Provides aquariums of 30 - 80 l with the basic plant nutrient carbon dioxide (CO₂) for 40 days.

Art. no.

63043

UP

6



Anastasia Melnicova



Marcel Reiter





JBL ProFlora u201

Easy CO₂ fertiliser system with 95 g disposable cartridge for 10 - 200 l

- New mini CO₂ fertiliser system with modern styling.
- Complete system with: 95 g CO₂ disposable cartridge and elegant stand, 2 m hose with clever anti-kink protection, mini pressure regulator, modern mini CO₂ ceramic diffuser, bubble counter with integrated non-return valve and CO₂ permanent test.
- Pressure regulator with pre-set working pressure and a manometer which displays the remaining pressure of the bottle.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63029 | 95 g | 200 l | 1 |



YouTube

JBL ProFlora u401

CO₂ fertiliser system with 500 g disposable cylinder

- Complete system with: 500 g CO₂ cylinder, pressure reducer, CO₂ diffuser JBL Taifun 190 mm, 2 meter CO₂ special hose, CO₂ check valve, CO₂/pH permanent test.
- Professional pressure reducer with pre-set working pressure (= no adjustment required, but possible if required) and 2 pressure gauges displaying the residual pressure in the cylinder and the working pressure set (can be adapted to multiple use system).

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63026 | 500 g | 400 l | 1 |



JBL ProFlora u402

CO₂ fertiliser system with 500 g disposable cylinder and night switch-off

- Complete system with: 500 g CO₂ cylinder, pressure reducer, night switch-off, CO₂ diffuser JBL Taifun 190 mm, 2 meter CO₂ special hose, CO₂ check valve, CO₂/pH permanent test.
- With night switch-off which interrupts the CO₂ supply by means of a time-switch (not included) as plants do not need CO₂ in the darkness (halves CO₂ consumption!)

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63027 | 500 g | 400 l | 1 |



JBL ProFlora u403

CO₂ fertiliser system with 500 g disposable cylinder and pH control instrument

- Complete system with: 500 g CO₂ cylinder, pressure reducer, pH control instrument, CO₂ diffuser JBL Taifun 190 mm, 2 meter CO₂ special hose, CO₂ check valve, KH Test.
- With pH control device (JBL pH Control), which automatically regulates CO₂ supply and adjusts to the desired pH level selected (incl. calibration solution but without pH electrode!).

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63028 | 500 g | 400 l | 1 |



JBL ProFlora u95

CO₂ disposable cartridge with 95 g CO₂

- Pressurised bottle with 95 g CO₂ (carbon dioxide).
- Suitable for instance for JBL ProFlora u201 fertilizer system.
- 17.5 cm in height, 4 cm diameter.
- Maximal safety since it is tested at 275 bar.
- The screw thread does NOT fit normal disposable pressure regulators (JBL ProFlora u001).

| Art. no. | Content | UP |
|--------------|---------|----|
| 63050 | 95 g | 1 |



JBL ProFlora u95 (3x)

- Three cartridge refills with 95 g carbon dioxide (CO₂) each for the JBL ProFlora u201 fertilizer system.
- 17.5 cm in height, 4 cm diameter.
- Maximal safety since it is tested at 275 bar.
- The screw thread does NOT fit normal one-way pressure regulators (JBL ProFlora u001).

| Art. no. | Content | UP |
|--------------|---------|----|
| 63051 | 3x95 g | 1 |



JBL ProFlora u500

CO₂ disposable 500 g storage cylinder

- Ready-filled with 500 g CO₂.
- Height: 29 cm, diameter: 7.5 cm.
- With integrated stand.
- High safety, tested to 165 bar.
- Thread connection: M 10 x 1.

| Art. no. | Content | UP |
|--------------|---------|----|
| 63174 | 500 g | 1 |



With the CO₂ fertilisation system to luxuriant plant growth in the aquarium



① **JBL ProFlora storage bottles** (JBL ProFlora u500, m500, m2000): They contain compressed carbon dioxide (CO₂), either with 500 g (as disposable or refillable bottles) or 2 kg content.

② **JBL pressure reducer** (JBL ProFlora m001, u001): To reduce the bottle pressure of 50 bar to the lower working pressure of 1-1.5 bar, the pressure reducer has to be screwed onto the storage bottle. Both displays inform you about

the remaining bottle pressure as well as the adjusted working pressure.

③ **JBL pressure reducer for 2 aquariums** (JBL ProFlora m001 duo): Supplies 2 tanks with CO₂ out of only one storage bottle.

④ **JBL adapter** (JBL ProFlora Adapt u-m): By means of this adapter JBL pressure reducers fit on both disposable bottles and refillable bottles.

⑤ **CO₂ hose** (JBL ProFlora T3): Special black hose to transport carbon dioxide.

⑥ **Non-return system** (JBL ProFlora SafeStop): This check valve prevents a backflow of aquarium water towards the CO₂ bottle and keeps the technical components dry.

⑦ **Bubble counter with non-return system** (JBL ProFlora CountSafe): Helps you count the

Carbon dioxide (CO₂) is the main nutrient for ALL plants, and during photosynthesis it is transformed into sugar (nutrient) and oxygen due to the joint influence of light with water. Without a CO₂ fertilising system in the aquarium the CO₂ content is very low and the plant growth is therefore limited.



added CO₂ amount (countable in bubbles) conveniently and accurately. With a built-in check valve against the backflow of water.

⑧ Night switch-off (JBL ProFlora v002): Cuts off the CO₂ supply at night. This saves 50 % CO₂, because plants only need CO₂ during the lighting phase!

⑨ pH control unit (JBL ProFlora pH-Control 12 V): This device permanently displays the pH

level of your aquarium water. Adding CO₂ not only fertilises the plants, it also helps to reduce the pH level. The device automatically manages the addition of CO₂ for you.

⑩ CO₂ diffuser (JBL ProFlora Taifun; Taifun P; Taifun S): The diffuser helps the CO₂ gas to dissolve in the water and thus provide nutrition for the plants. No extra pumps are required to operate the JBL diffuser.

⑪ CO₂ permanent direct measurement (JBL Permanent Test CO₂ plus pH): The liquid in the transparent container indicates the pH value and the CO₂ content of the aquarium water through its colouration. Now you can decide whether to increase or reduce the CO₂ supply.

⑫ Sensors for pH and temperature: Both sensors transmit their measured values to the pH control unit (JBL ProFlora pH-Control 12 V).



JBL ProFlora u500 (3x) 3 CO₂ disposable (u-system) 500 g storage cylinders

- Box with 3 x 500 g disposable storage cylinders.
- Ready-filled with 500 g CO₂ each.
- Height 29 cm, diameter 7.5 cm (identical to the JBL ProFlora u500).
- With integrated base.
- Extremely safe since it was tested to 165 bar.
- Thread connection: M 10 x 1.

Art. no. 63173
Content 3x500 g

UP
1



JBL ProFlora u001 Pressure reducer for disposable CO₂ cylinders

- Precision pressure reducer, regulates cylinder pressure from 60 to 1.5 bar. The correct bubble count (amount of CO₂) is then adjusted on the fine needle valve.
- The preset operation pressure (1.5 bar) saves complicated readjustment. (Adjustment possible, if desired).
- 2 pressure gauges display working pressure and cylinder pressure.
- Can be converted to refillable cylinder system using adapter.

Art. no. 63333

UP
1



JBL ProFlora Adapt u-m Adapts the pressure reducer (u 001) to fit refillable cylinders

- Adapts the JBL CO₂ pressure reducer ProFlora u 001 for use with refillable cylinders (e.g., JBL m-System).
- The modification can be converted back at any time.
- Using an Allen key (size six, not included) the adapter should be screwed into the pressure reducer.
- Time: 20 seconds.

Art. no. 64518

UP
3



YouTube

How to guarantee healthy plant growth:

Plants “function” according to the law of minimum, something the naturalist, Carl Sprengel, already recognised in 1828 and Justus Liebig then expanded and popularised in 1895. This law of nature can help us understand and eliminate plant growth problems in aquarium keeping.

The law states that plants can only grow to the extent that the resource which is present at a minimum permits. For example, if a plant receives all of the necessary resources such as minerals, light and CO₂, but only a little water, the lack of water will limit the growth of the plant.

In contrast with nature, there is an overabundance of nutrients like nitrates and phosphates in most aquariums. Instead, aquariums tend to have a lack of minerals or CO₂. Plants will only be able to grow better if the limiting factors are supplemented!





JBL ProFlora m601

CO₂ fertiliser system with 500 g refillable cylinder

- Complete system with: 500 g CO₂ cylinder with stand, pressure reducer, CO₂ diffuser JBL Taifun 270 mm, 2 meter CO₂ special hose, CO₂ check valve, CO₂/pH permanent test.
- The system is set to be mounted in whole and conceived for aquariums sized 100 to 600 liters (can be adapted to disposable system).

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63020 | 500 g | 600 l | 1 |



JBL ProFlora m602

CO₂ fertiliser system with 500 g refillable cylinder and night switch-off

- Complete system with: 500 g CO₂ cylinder with stand, pressure reducer, night switch-off, CO₂ diffuser JBL Taifun 270 mm, 2 meter CO₂ special hose, CO₂ check valve, CO₂/pH permanent test.
- With night switch-off which interrupts the CO₂-supply at night by means of a time-switch (not included) as plants do not need CO₂ in the darkness (halves CO₂ consumption!)

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63021 | 500 g | 600 l | 1 |

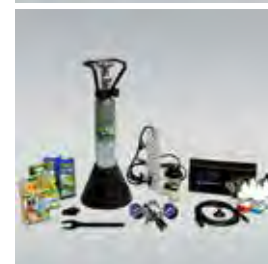


JBL ProFlora m603

CO₂ fertiliser system with 500 g refillable cylinder and pH control instrument

- Complete system with: 500 g CO₂ cylinder with stand, pressure reducer, pH control instrument, CO₂ diffuser JBL Taifun 270 mm, 2 meter CO₂ special hose, CO₂ non-return valve, KH Test.
- With pH control instrument (JBL pH-Control), which automatically regulates CO₂ supply and adjusts to the pH level selected (incl. calibration solution but without pH electrode!)

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 63022 | 500 g | 600 l | 1 |



JBL ProFlora m1003

CO₂ fertiliser system with 2 kg refillable cylinder and pH control instrument

- Complete system with: 2 kg CO₂ cylinder with stand, pressure reducer, pH control device, CO₂ diffuser JBL Taifun 430 mm, 2 meter CO₂ special hose, CO₂ check valve, KH Test.
- With pH control instrument (JBL pH-Control), which automatically regulates CO₂ supply and adjusts to the pH level selected (incl. calibration solution but without pH electrode!)

| Art. no. | Content | Range | UP |
|--------------|---------|--------|----|
| 63025 | 2 kg | 1000 l | 1 |



JBL ProFlora m500 bottle

CO₂ refillable 500 g storage cylinder

- Ready-filled with 500 g CO₂.
- Overall dimensions: 43 x 11 cm.
- With external international valve (W 21.8 x 1/14).
- Safety valve protection (cage).

| Art. no. | Content | UP |
|--------------|---------|----|
| 63172 | 500 g | 1 |



JBL ProFlora m2000 bottle

CO₂ refillable 2000 g storage cylinder

- Ready-filled with 2 kg CO₂.
- Overall dimensions: 46 x 11.5 cm.
- With external international valve (W 21.8 x 1/14).
- Safety valve protection (cage).
- Free-standing, no stand required.

| Art. no. | Content | UP |
|--------------|---------|----|
| 63202 | 2000 g | 1 |



JBL CO₂ Refill Service

Environmentally-friendly refill for gas bottles.

- Only suitable for refillable cylinders (JBL m-System)!
- Warning: Do not refill a cylinder with an expired TÜV date!
- The TÜV test date is stamped on the cylinder.

| Art. no. | Content | UP |
|--------------|---------|----|
| 63220 | 500 g | 1 |
| 63210 | 2000 g | 1 |



YouTube



JBL ProFlora pH Control

High-End CO₂/pH computer with 15 functions

- Controls CO₂ supply (integral solenoid valve) keeping levels constant for perfect plant growth.
- Automatically calculates optimum pH level for specific KH.
- Indicates: Water temp., alarm for pH and temp., time to new calibration, electrode status, measuring accuracy, key lock.
- Without pH electrode, which should always be purchased brandnew.
- 110-240V - 50-60Hz

Art. no.

63418

UP

1



JBL ProFlora pH-probe

Sturdy, laboratory-quality gel electrode.

- Fits most pH measurement and control devices.
- Required for JBL pH-Control (not included with the product).
- With BNC plug to fit many systems.
- Approx. 1 year service life.

Art. no.

63414

UP

1



JBL ProFlora Cal

Calibration, care and cleaning set for pH electrodes

- Contains all liquids required to calibrate pH electrodes.
- Contains pH 7 and pH 4 calibration solutions (50 ml each).
- Contains 50 ml distilled water for rinsing as well as 50 ml storage / cleaning solution (KCl).
- With 3 cuvettes for use when calibrating and cleaning.

Art. no.

60360

UP

3



JBL ProFlora Buffer pH 4,0

For calibrating pH electrodes. pH 4,0

- Needed to calibrate pH electrodes.
- Suitable for all types of pH electrodes.

Art. no.

25901

Content

50 ml

UP

1



JBL ProFlora Buffer pH 7,0

pH electrode calibration liquid with pH 7.0

- Needed to calibrate pH electrodes.
- Suitable for all types of pH electrodes.

Art. no.

25900

Content

50 ml

UP

1



JBL Dest

Distilled water for cleaning electrodes

- Should be used after each calibration, before the electrode is dipped in another buffer solution or before it is returned to the aquarium.
- Also suitable for water tests and other purposes.

Art. no.

25903

Content

50 ml

UP

1



JBL ProFlora Storage solution

Formulated for permanent or temporary storage of pH electrodes.

- Designed for permanent or temporary storage of pH electrodes. Contains 3 mol. KCl solution (potassium chloride).
- Can be immediately used undiluted.
- Replaces split solution in the protective caps (storage caps) of pH electrodes.
- Revitalizes electrodes.

Art. no.

25902

Content

50 ml

UP

1





JBL ProFlora v002

Solenoid valve for CO₂ with 12 V safety voltage

- The CO₂ supply can be interrupted at night with a time-switch (not included) or the CO₂ supply can be controlled via a pH control device (not included).
- Can be simply integrated in the CO₂ input hose or connected directly to the pressure reducer using a connection piece.
- No generation of heat or noise due to 12 V transformer.

Art. no.

63413

UP

1



JBL ProFlora m001

Pressure reducer for disposable CO₂ cylinders

- Precision pressure reducer, regulates cylinder pressure from 60 to 1.5 bar. The correct bubble count (amount of CO₂) is then adjusted on the fine needle valve.
- Preset working pressure (1.5 bar) means no need for complicated re-adjusting (adjustment possible, if required).
- 2 pressure gauges display working pressure and cylinder pressure. Can be converted to disposable cylinder system using adapter.

Art. no.

63332

UP

1



JBL ProFlora m001 duo

A pressure reducer for the operation of two CO₂ units

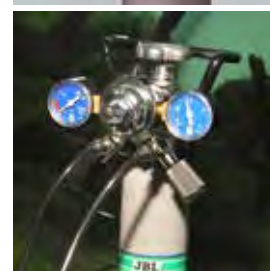
- This enables you to supply two separate tanks with CO₂ using only one CO₂ cylinder. Two separate outflows with precision valves for the setting of the desired CO₂ quantity in two separate aquariums.
- Simply unscrew the union nut at the back to use with disposable bottles (JBL ProFlora u system)

Art. no.

63337

UP

1



JBL Holder - CO₂ Cylinder

Provides a firm base for the JBL 500 g CO₂ gas bottle.

- For all bottles with a diameter of 60 mm.
- Easy to install without drilling.
- The CO₂ cylinders MUST always be operated in an upright position, as the CO₂ liquefies under pressure, so that liquid CO₂ would be released from a bottle in a horizontal position.

Art. no.

63176

UP

1



JBL T3 -CO₂ Hose

Special hose for CO₂-units.

- The diffusion behaviour of CO₂ is different from air.
- Therefore, air tubing is not suited for CO₂ systems.
- 3 m black, special CO₂ resistant tubing.
- Diameter: 4/6 mm.
- Suitable for all common CO₂ systems.

Art. no.

63462

Diameter

4/6 mm

Length

3 m

UP

3



JBL ProFlora SafeStop

Check valve for CO₂

- Protects devices such as CO₂ systems, pH controls and solenoid valves from backflow of aquarium water.
- For 4/6mm diameter CO₂ hoses.

Art. no.

64515

UP

3



JBL CO₂/pH Permanent Test Set

Permanent direct measurement of CO₂ and pH

- A special indicator instead of aquarium water permits direct measurement of the CO₂ level in mg/l.
- 20 – 25 mg/l CO₂ is ideal.
- Replace the indicator only every 3-4 weeks = lasts a total of 9-12 months.
- Indicates the pH value (6.4 – 7.8) in addition to the CO₂ level.

Art. no.

25392
25393

Content For

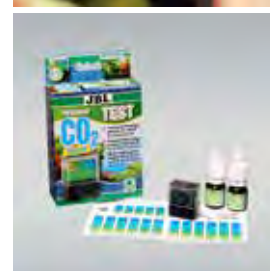
9-12 mon

Reagent

UP

3

1



YouTube

Modelled on nature.

The full spectrum of daylight.



IFM-GEOMAR

Leibniz-Institut für Meereswissenschaften
an der Universität Kiel

Daylight spectrum

Natural daylight has a balanced system which serves as a model and reference point for aquarium lighting.

3-phosphorous tube

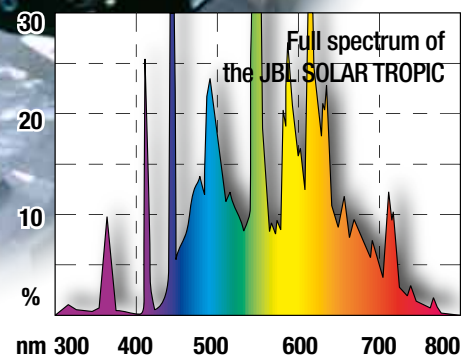
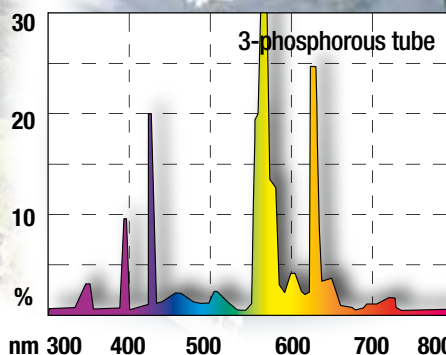
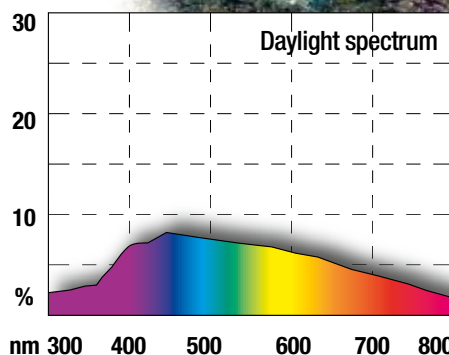
However, regular fluorescent tubes only deliver a limited spectrum, giving a very „patchy“ picture compared to nature.

Full spectrum of the JBL SOLAR TROPIC

Full-spectrum tubes achieve a far more balanced reproduction of natural lighting, providing a lighting environment in your aquarium which closely mimics nature. In order that aquarium lighting meets these high standards set by nature, JBL selects full-spectrum. Why should you settle for less?



Aquarium Keeping - Fresh Water



„Nature has adapted to this extensive spectrum.

The JBL T5 „Natur“ and „Tropic“ luminants show a light range which is similar to that of sunlight. As we wish to use models to simulate the future warming of the climate and examine the effect on the living communities in the sea, these lights from JBL are highly suitable to simulate natural daylight.“

Quote Prof. Dr. Ulrich Sommer IFM-GEOMAR

**VORSPRUNG DURCH
FORSCHUNG**
AHEAD THROUGH RESEARCH



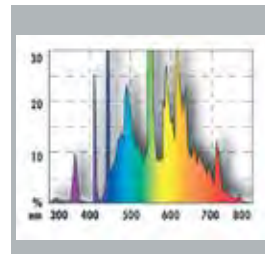


JBL SOLAR TROPIC T8

Sunlight full-spectrum tube for aquarium plant

- Colour of light and spectral distribution ideally suit the needs of aquarium plant.
- Inhibits growth of algae through full spectrum equivalent to sunlight.
- Fully natural colours through 1 A colour rendering index (very good).
- Colour temperature: 4000 K.
- CRI 90 +

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61610 | 15 W | 438 mm | 4 |
| 61611 | 18 W | 590 mm | 4 |
| 61612 | 25 W | 742 mm | 4 |
| 61613 | 30 W | 895 mm | 4 |
| 61614 | 36 W | 1200 mm | 4 |
| 61615 | 38 W | 1047 mm | 4 |
| 61616 | 58 W | 1500 mm | 4 |

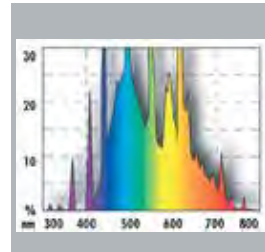


JBL SOLAR NATUR T8

Daylight full-spectrum tube for freshwater aquariums

- For fish and plants from sun-drenched waters, such as Lake Malawi and Lake Tangayika.
- Inhibits growth of algae through full spectrum equivalent to sunlight.
- Fully natural colours through 1 A colour rendering index (very good).
- Colour temperature 9000 K. CRI 90 +

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61630 | 15 W | 438 mm | 4 |
| 61631 | 18 W | 590 mm | 4 |
| 61632 | 25 W | 742 mm | 4 |
| 61633 | 30 W | 895 mm | 4 |
| 61634 | 36 W | 1200 mm | 4 |
| 61635 | 38 W | 1047 mm | 4 |
| 61636 | 58 W | 1500 mm | 4 |

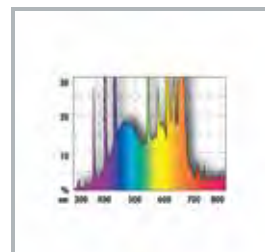


JBL SOLAR COLOR T8

Fluorescent tube for intensive colours in freshwa- ter aquariums

- Enhanced red and blue colour tones.
- Increased red and blue sector of spectrum.
- Increases photobiological processes in plants by stimulating chlorophyll synthesis.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61620 | 15 W | 438 mm | 4 |
| 61621 | 18 W | 590 mm | 4 |
| 61622 | 25 W | 742 mm | 4 |
| 61623 | 30 W | 895 mm | 4 |
| 61624 | 36 W | 1200 mm | 4 |
| 61625 | 38 W | 1047 mm | 4 |
| 61626 | 58 W | 1500 mm | 4 |

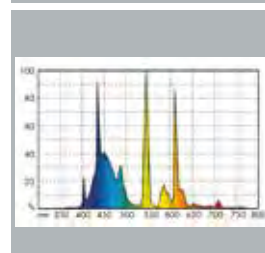


JBL SOLAR MARIN DAY T8

Daylight tube for marine tanks

- Cold-white spectrum with 15,000 K colour temperature, specially suited as lighting for marine aquariums.
- Particularly well suited for tanks with corals and other invertebrates.
- High light efficiency with good colour rendering properties.
- Colour temperature 15,000 K.
- CRI 88, 2000 lumens.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61600 | 15 W | 438 mm | 4 |
| 61601 | 18 W | 590 mm | 4 |
| 61602 | 25 W | 742 mm | 4 |
| 61603 | 30 W | 895 mm | 4 |
| 61604 | 36 W | 1200 mm | 4 |
| 61605 | 38 W | 1047 mm | 4 |
| 61606 | 58 W | 1500 mm | 4 |

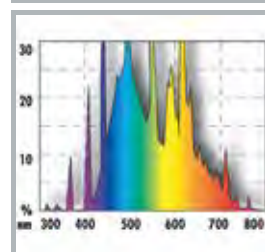


JBL SOLAR REPTIL JUNGLE

Special terrarium fluorescent tube for rainforest reptiles

- For all terrarium animals which are only exposed to low UV radiation due to their way of life (e.g. rain forest/twilight).
- Low UV-B proportion of 0.5 %.
- Low UV-A proportion of 2.0 %.
- Life span at least 1 year.
- Spectrum reproduces the range of light which rainforest dwellers have in their natural environment.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61590 | 15 W | 438 mm | 4 |
| 61591 | 18 W | 590 mm | 4 |
| 61592 | 25 W | 742 mm | 4 |
| 61593 | 30 W | 895 mm | 4 |
| 61594 | 36 W | 1200 mm | 4 |
| 61595 | 38 W | 1047 mm | 4 |

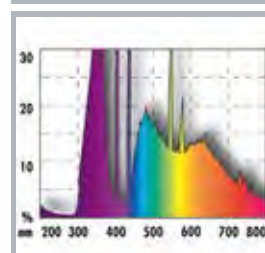


JBL SOLAR REPTIL SUN

Special terrarium fluorescent tubes for desert animals

- High UV-B concentration (8 %) to meet the needs of dwellers and other animal species which receive full sunlight in their natural habitat.
- UV-A concentration 36 %.
- Min. 1 year life.
- Spectrum reproduces the range of light which animals naturally have in a habitat exposed to a lot of direct sunlight.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61650 | 15 W | 438 mm | 4 |
| 61651 | 18 W | 590 mm | 4 |
| 61652 | 25 W | 742 mm | 4 |
| 61653 | 30 W | 895 mm | 4 |
| 61654 | 36 W | 1200 mm | 4 |
| 61655 | 38 W | 1047 mm | 4 |



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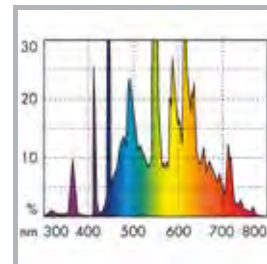


JBL SOLAR TROPIC ULTRA standard lengths

Sunlight full-spectrum tube for aquarium plant

- Colour of light and spectral distribution ideally suit the needs of aquarium plants.
- Inhibits growth of algae through full spectrum equivalent to sunlight.
- Fully natural colours through 1 A colour rendering index (very good).
- Colour temperature 4000 K. CRI 90 +

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61681 | 24 W | 550 mm | 4 |
| 61682 | 39 W | 850 mm | 4 |
| 61683 | 54 W | 1150 mm | 4 |
| 61684 | 80 W | 1450 mm | 4 |



JBL SOLAR TROPIC ULTRA special lengths

Sunlight full-spectrum tube for aquarium plant

- Spectrum and properties such as JBL SOLAR TROPIC ULTRA standard length.

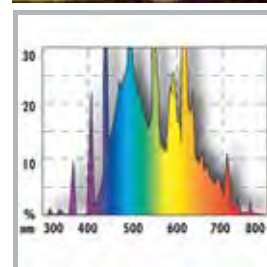
| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61761 | 24 W | 438 mm | 4 |
| 61762 | 28 W | 590 mm | 4 |
| 61763 | 35 W | 742 mm | 4 |
| 61764 | 45 W | 895 mm | 4 |
| 61765 | 54 W | 1047 mm | 4 |
| 61766 | 54 W | 1200 mm | 4 |



JBL SOLAR NATUR ULTRA Daylight full-spectrum tube for freshwater (standard lengths)

- Exceptionally bright tube for all types of aquariums.
- Very well suited for Lake Malawi and Lake Tanganyika aquariums. Inhibits growth of algae through full spectrum equivalent to sunlight.
- Fully natural colours through 1 A colour rendering index (very good).
- Colour temperature 9000 K. CRI 90 +

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61671 | 24 W | 550 mm | 4 |
| 61672 | 39 W | 850 mm | 4 |
| 61673 | 54 W | 1150 mm | 4 |
| 61674 | 80 W | 1450 mm | 4 |



JBL SOLAR NATUR ULTRA Daylight full-spectrum tube for freshwater aquariums (special lengths)

- Spectrum and properties such as JBL SOLAR NATUR ULTRA standard length.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61751 | 24 W | 438 mm | 4 |
| 61752 | 28 W | 590 mm | 4 |
| 61753 | 35 W | 742 mm | 4 |
| 61754 | 45 W | 895 mm | 4 |
| 61755 | 54 W | 1047 mm | 4 |
| 61756 | 54 W | 1200 mm | 4 |



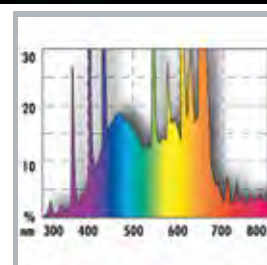
Preview JBL Expedition Venezuela 2016



JBL SOLAR ULTRA COLOR Fluorescent tube for intensive colours in freshwater aquariums (standard lengths)

- Enhanced red and blue colour tones.
- Increased red and blue sector of spectrum.
- Increases photobiological processes in plants by stimulating chlorophyll synthesis.

| Art. no. | Performance | Length | VE |
|--------------|-------------|---------|----|
| 61792 | 24 W | 550 mm | 4 |
| 61795 | 39 W | 850 mm | 4 |
| 61798 | 54 W | 1150 mm | 4 |
| 61800 | 80 W | 1450 mm | 4 |



JBL SOLAR COLOR ULTRA Fluorescent tube for intensive colours in freshwater aquariums (special lengths)

- Spectrum and properties such as JBL SOLAR COLOR ULTRA standard length.

| Art. no. | Performance | Length | VE |
|--------------|-------------|---------|----|
| 61791 | 24 W | 438 mm | 4 |
| 61793 | 28 W | 590 mm | 4 |
| 61794 | 35 W | 742 mm | 4 |
| 61796 | 45 W | 895 mm | 4 |
| 61797 | 54 W | 1047 mm | 4 |
| 61799 | 54 W | 1200 mm | 4 |



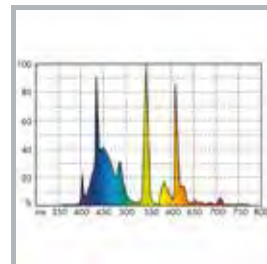


JBL SOLAR MARIN DAY ULTRA standard lengths

T5 daylight tube for marine tanks

- Cold-white spectrum featuring a colour temperature of 15,000 K.
- Particularly suited for reef aquariums with corals and other invertebrates.
- High light efficiency with very colour rendering characteristics.
- Colour temperature 15.000 K.
- CRI 90 +

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61691 | 24 W | 550 mm | 4 |
| 61692 | 39 W | 850 mm | 4 |
| 61693 | 54 W | 1150 mm | 4 |
| 61694 | 80 W | 1450 mm | 4 |



JBL SOLAR MARINE DAY ULTRA special lengths

T5 daylight tube for marine tanks

- Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61771 | 24 W | 438 mm | 4 |
| 61772 | 28 W | 590 mm | 4 |
| 61773 | 35 W | 742 mm | 4 |
| 61774 | 45 W | 895 mm | 4 |
| 61775 | 54 W | 1047 mm | 4 |
| 61776 | 54 W | 1200 mm | 4 |

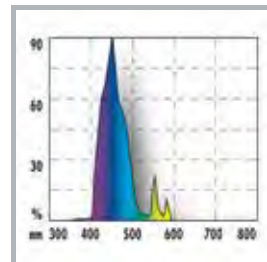


JBL SOLAR OCEAN BLUE ULTRA

Blue actinic T5 special flourescent tube (standard lengths)

- Facilitates coral growth by enhancing the blue range in the spectrum (so-called actinic radiation) preferred by zooxanthellae.
- Displays and facilitates the beautiful fluorescence effects in corals.
- In combination with JBL SOLAR MARIN DAY this is the perfect illumination for salt water aquariums.
- Long life and reliable functioning.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61881 | 24 W | 550 mm | 4 |
| 61884 | 39 W | 850 mm | 4 |
| 61887 | 54 W | 1150 mm | 4 |
| 61889 | 80 W | 1450 mm | 4 |



JBL SOLAR OCEAN BLUE ULTRA

Blue actinic T5 special flourescent tube (special lengths)

- Spectrum and properties such as JBL SOLAR OCEAN BLUE ULTRA standard length.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61880 | 24 W | 438 mm | 4 |
| 61882 | 28 W | 590 mm | 4 |
| 61883 | 35 W | 742 mm | 4 |
| 61885 | 45 W | 895 mm | 4 |
| 61886 | 54 W | 1047 mm | 4 |
| 61888 | 54 W | 1200 mm | 4 |

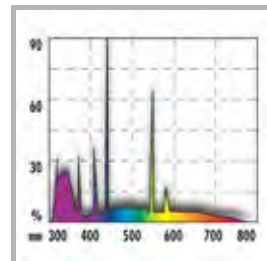


JBL SOLAR REPTIL SUN ULTRA standard lengths

T5 fluorescent tube for desert animals

- High share of UVB (12 %) to meet the specific needs of desert animals and other species that receive full sunlight in their natural habitat.
- UVA share of 63 % with a life expectancy of at least one year. Sunlight equivalent full spectrum with a high UVA and B share.

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 61597 | 24 W | 550 mm | 4 |
| 61598 | 39 W | 850 mm | 4 |
| 61599 | 54 W | 1150 mm | 4 |





JBL SOLAR Reflect T5 + T8 standard lengths

M-reflector for fluorescent tubes

- New M-shape increases light output as the central tube does not reflect light onto itself.
- With pre-mounted plastic clips and corner protectors.
- Lux meter displays double light yield (lux) with reflector!
- Corrosion-resistant, robust high-gloss aluminium.

| Art. no. | T8/T5 | Length | UP |
|--------------|---------|---------|----|
| 61737 | 24W | 550 mm | 1 |
| 61738 | 39W | 850 mm | 1 |
| 61734 | 36W 54W | 1200 mm | 1 |
| 61736 | 58W | 1500 mm | 1 |



JBL SOLAR Reflect T5 + T8 special lengths

M-reflector for fluorescent tubes

- Properties such as JBL SOLAR Reflect standard length.

| Art. no. | T8/T5 | Length | UP |
|--------------|---------|---------|----|
| 61730 | 15W 24W | 438 mm | 1 |
| 61731 | 18W 28W | 590 mm | 1 |
| 61732 | 25W 35W | 742 mm | 1 |
| 61733 | 30W 45W | 895 mm | 1 |
| 61735 | 38W 54W | 1047 mm | 1 |



JBL Start Solar

Starter for fluorescent tubes (T8) (2 pcs.).

- Not suitable for fluorescent tubes switched in tandem.
- (e.g. 2 x 15 W; 2 x 18 W)

| Art. no. | For | UP |
|--------------|-----|----|
| 61701 | T-8 | 1 |

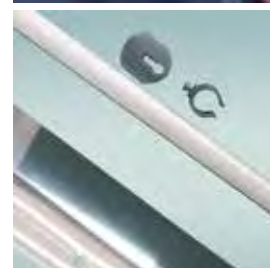


JBL Clip Set - SOLAR REFLECT

Clips for JBL Reflect (reflectors)

- Child's play to fit.
- Simply clip in and slide to the side - finished.
- For T5 tubes (16 mm diameter).
- For T8 tubes (26 mm diameter).
- Solid-coloured plastic for UV resistance.

| Art. no. | For | UP |
|--------------|-----|----|
| 61707 | T-5 | 1 |
| 61708 | T-8 | 1 |

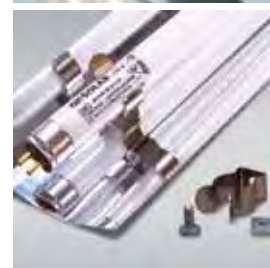


JBL Clips T5/T8 (metal)

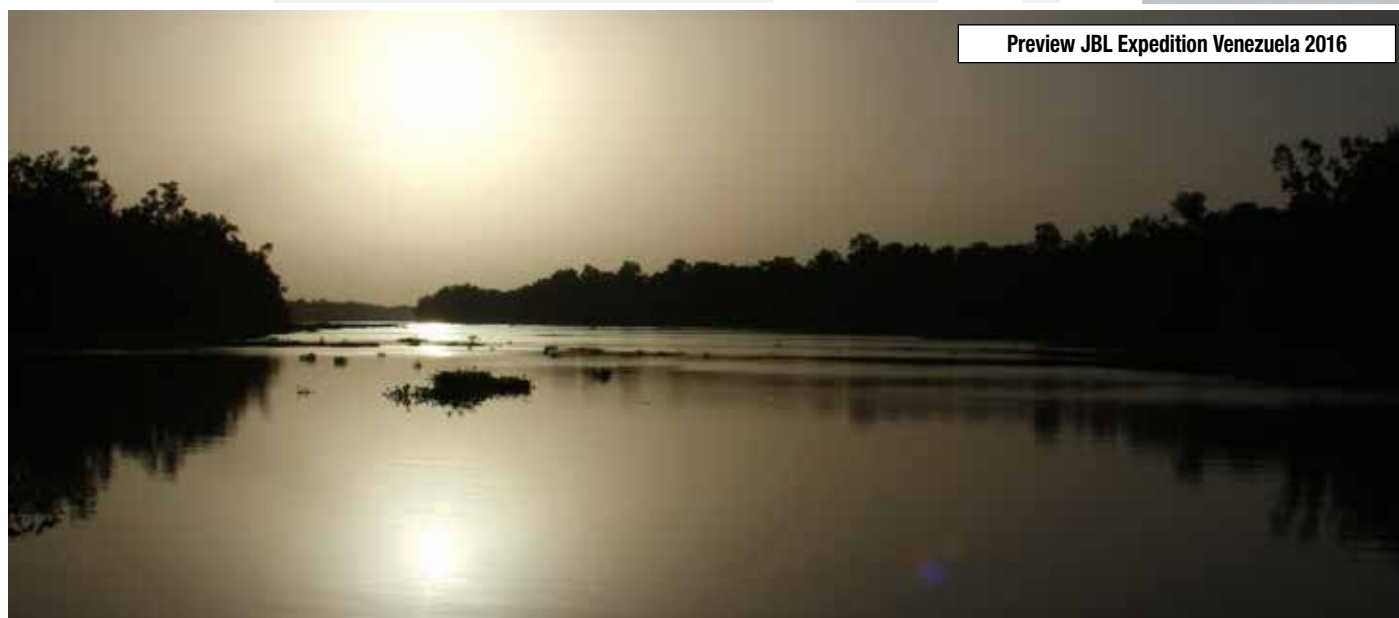
Metal clips to attach reflectors (e.g. JBL SOLAR REFLECT)

- 2 clips per pack.
- Galvanized steel ensures longer life than plastic.
- Includes screws and nuts.
- 9 mm wide.
- Height of 35 mm or 25 mm.

| Art. no. | For | UP |
|--------------|-----|----|
| 61705 | T-5 | 1 |
| 61703 | T-8 | 1 |



Preview JBL Expedition Venezuela 2016





YouTube

JBL AquaCristal UV-C Series II

Water clarifier for the Aquarium (freshwater and saltwater)

- Bacteria destroying UV-C radiation of about 255 nm reliability and quick removes green (floating algae) and white (bacterial) cloudiness.
- No harmful side-effects.
- Reduces amount of germs and decreases risk of infection.
- Inlet and outlet on the same side, saving the space when installing. Channelling in casing ensures optimum water flow
- Safety factor: UV-C burner automatically switches off when unit is opened.
- Cable Length: 2m cable to ballast control. 5m from ballast control to UV-C unit.



JBL AquaCristal UV-C 5 W

Water clarifier for aquarium

| Aquarium | | | | |
|---------------------------------|--------------------|--------------------|-----------------------|-------------------|
| recommended pump performance | Cloudiness | | Partial degermination | |
| | I | I/h | I | I/h |
| | 200 till 400 | 100 till 200 | 20 till 100 | 50 till 100 |

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|--------|----|
| 60350 | 5 W | 21 cm | 1 |



JBL AquaCristal UV-C 9 W

Water clarifier for aquarium

| Aquarium | | | | |
|---------------------------------|--------------------|--------------------|-----------------------|-------------------|
| recommended pump performance | Cloudiness | | Partial degermination | |
| | I | I/h | I | I/h |
| | 300 till 600 | 100 till 200 | 100 till 150 | 50 till 100 |

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 60351 | 9 W | 30,5 cm | 1 |



JBL AquaCristal UV-C 11 W

Water clarifier for aquarium

| Aquarium | | | | |
|---------------------------------|---------------------|--------------------|-----------------------|--------------------|
| recommended pump performance | Cloudiness | | Partial degermination | |
| | I | I/h | I | I/h |
| | 600 till 1000 | 150 till 350 | 150 till 200 | 100 till 150 |

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|---------|----|
| 60352 | 11 W | 36,5 cm | 1 |



JBL AquaCristal UV-C 18 W

Water clarifier for aquarium

| Aquarium | | | | |
|---------------------------------|----------------------|--------------------|-----------------------|--------------------|
| recommended pump performance | Cloudiness | | Partial degermination | |
| | I | I/h | I | I/h |
| | 1000 till 1500 | 300 till 500 | 200 till 400 | 150 till 200 |

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|--------|----|
| 60353 | 18 W | 50 cm | 1 |



JBL AquaCristal UV-C 36 W

Water clarifier for aquarium

| Aquarium | | | | |
|---------------------------------|----------------------|---------------------|-----------------------|--------------------|
| recommended pump performance | Cloudiness | | Partial degermination | |
| | I | I/h | I | I/h |
| | 1500 till 3000 | 400 till 1000 | 300 till 600 | 200 till 400 |

| Art. no. | Perfor- mance | Length | UP |
|--------------|------------------|--------|----|
| 60354 | 36 W | 50 cm | 1 |



JBL Replacement lamp UV-C

High quality replacement lamp for JBL AquaCristal UV-C and other UV-C devices.

- 18, 24, 36 und 55 Watt models equipped with 2G11 connector.
- 5, 9 and 11 watt models equipped with G23 connector.
- Also compatible with all former JBL UV-C devices.
- Never touch UV-C lamps with bare hands as this reduces the service life of the lamp.

| Art. no. | Perfor- mance | UP |
|--------------|------------------|----|
| 60305 | 5 W | 1 |
| 60306 | 9 W | 1 |
| 60307 | 11 W | 1 |
| 60308 | 18 W | 1 |
| 60361 | 24 W | 1 |
| 60309 | 36 W | 1 |
| 60362 | 55 W | 1 |



YouTube



JBL AquaCristal UV-C 72 W

UV-C water clarifier for aquarium

Aquarium

| recommended pump performance | Cloudiness | | Partial degermination | |
|---------------------------------|----------------------|---------------------|-----------------------|--------------------|
| | I | I/h | I | I/h |
| | 3000 till 6000 | 800 till 2000 | 600 till 1200 | 400 till 800 |

| Art. no. | Performance | Length | UP |
|--------------|-------------|--------|----|
| 60370 | 72 W | 58 cm | 1 |



JBL AquaCristal UV-C 110 W

UV-C water clarifier for aquarium

Aquarium

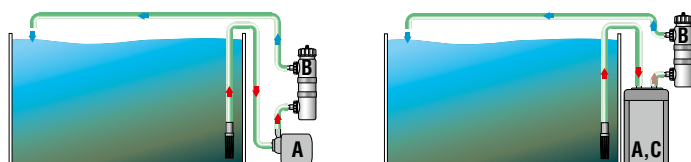
| recommended pump performance | Cloudiness | | Partial degermination | |
|---------------------------------|----------------------|----------------------|-----------------------|---------------------|
| | I | I/h | I | I/h |
| | 4500 till 9000 | 1200 till 3000 | 900 till 1800 | 600 till 1200 |

| Art. no. | Performance | Length | UP |
|--------------|-------------|--------|----|
| 60371 | 110 W | 71 cm | 1 |



JBL AquaCristal UV-C

Crystal-clear and healthy water in the aquarium with the UV-C water clarifier JBL AquaCristal UV-C

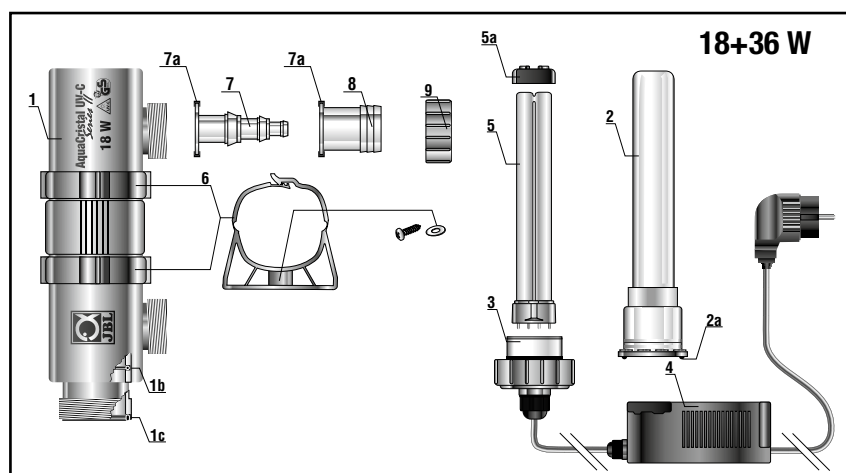
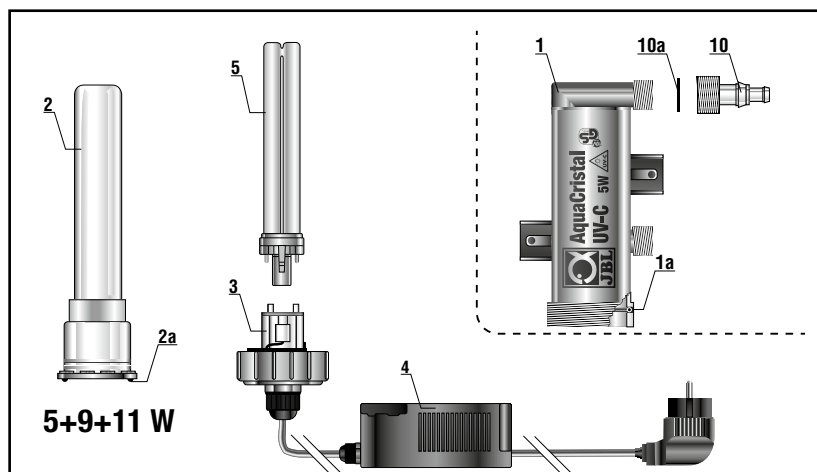
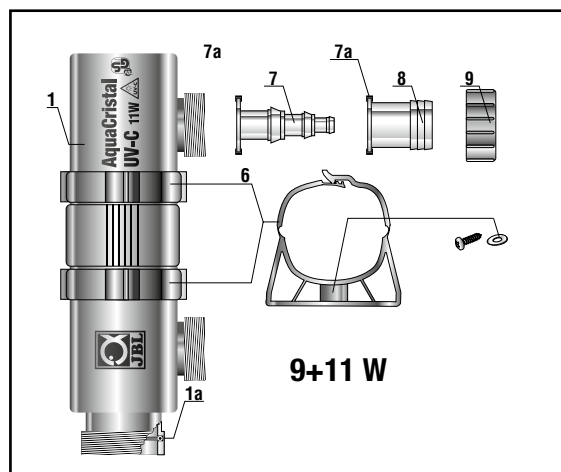


A - pump
B - JBL AquaCristal UV-C
C - filter

Spare Parts 5 W - 36 W

Spare Parts for AquaCristal UV-C 72W and 110W:

www.jbl.de/en/spare-parts-products/group/6066/uv-c-72w110w



| Pos | Art. No. | | | | |
|-----|----------|----------|----------|----------|----------|
| | 5 W | 9 W | 11 W | 18 W | 36 W |
| 1+2 | 60355 00 | 60356 00 | 60357 00 | 60358 00 | 60359 00 |
| 1 A | 60327 00 | | | | |
| 1 B | --- | | | | 60335 00 |
| 1 C | --- | | | | 60336 00 |
| 2 A | 60328 00 | | | | |
| 3 | 60315 00 | 60316 00 | 60317 00 | 60318 00 | 60319 00 |
| 4 | 60305 00 | 60306 00 | 60307 00 | 60308 00 | 60309 00 |
| 5 | 60305 00 | 60306 00 | 60307 00 | 60308 00 | 60309 00 |
| 5 A | --- | | | | 60332 00 |
| 6 | 60326 00 | | | | |
| 7 | --- | | | | |
| 7 A | Set | | | | |
| 8 | 60330 00 | | | | |
| 9 | --- | | | | |
| 10 | 60329 00 | --- | | | |
| 10A | 60333 00 | --- | | | |



JBL Osmose 120

Reverse osmosis unit with fine filter and carbon filter

- Produces soft water.
- Ready to connect with 3/4 tap connector.
- Membrane preserved using new dry method ensuring laboratory quality osmosis water.
- High capacity of max. 136 liters (36 US gal.) in 24 hours at 24° C. 60 - 100 liter (16 - 26 US gal.)/24 hours in average operating conditions. Precision flow regulator.

Art. no.

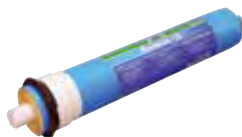
64102

Perfor-

mance
120l/24h

UP

1



JBL Osmosis Membrane

Main membrane for JBL Osmosis 120 reverse osmosis unit

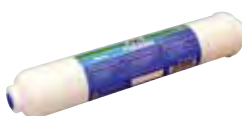
- Made in US, can be stored dry for 2 years.
- High retention rate of approx. 95 %. Rate increases with higher water pressure and higher temperatures.
- Service life approx. 1 - 8 years depending on water quality.

Art. no.

64208

UP

1



JBL Osmosis carbon filter

Prevents membrane damage from chlorine

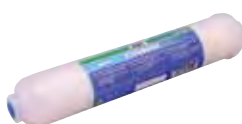
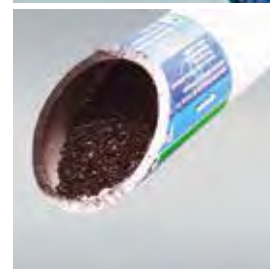
- Absorbs chlorine, pesticides and herbicides which prolongs life of main membrane.
- Should be renewed every 5 - 12 months.

Art. no.

64111

UP

1



JBL Osmosis Sediment-filter

Filters all particles floating in water

- Extremely important filter which significantly prolongs the life of the main membrane.
- Prevents damage to main membrane from particles in water.
- To be replaced every 5 - 12 months.

Art. no.

64112

UP

1



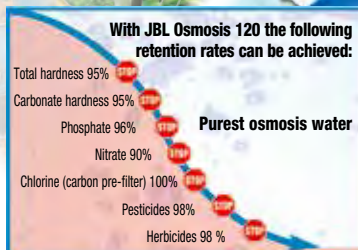
JBL Osmose 120

For top-quality water in your aquarium

With JBL's water preparation unit, Osmosis 120, you create the conditions for the perfect care of even the most sensitive aquarium inhabitants. Irrespective of the quality of the water which comes out of your tap, the JBL Osmosis 120 unit uses reverse osmosis to produce laboratory quality water. In addition to hardness, practically all the substances which damage the quality of the water or promote the growth of algae are removed from the tap water.



Suitable for use with freshwater and saltwater.

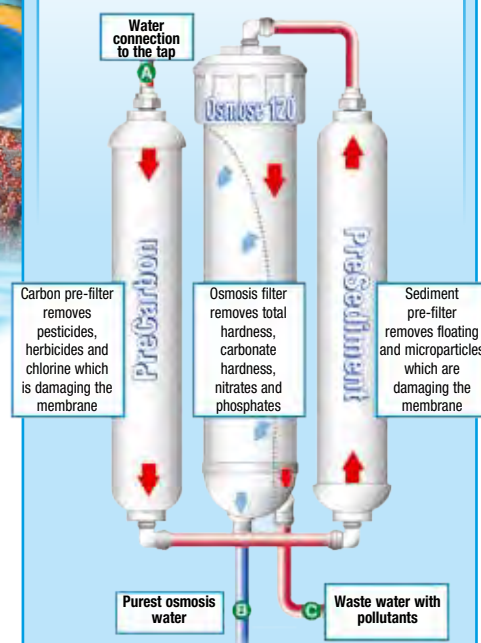


JBL Aquadur

Precise doses of this table salt-free osmosis salt add the ideal amount of minerals to the osmosis water.

Simple to use! Here's how:

1. Connect hose A to the tap.
2. Slowly turn on the water.
The water pressure of the tap (3-6 bar) is sufficient to operate the unit.
3. Hose B now supplies the purest osmosis water.
4. Polluted water flows out of hose C.



Spare Parts





JBL ProTemp S 25

25 W safety heater-stat with protective basket

- Plastic guard protects fish such as suckermouth catfish from direct heat. Comes with dry run protection (turns off automatically if the water level drops or the heater is removed from the water).
- Fully submersible and very robust 2 mm safety glass.
- Direct temperature selection in °C.

| Art. no. | Length | Range | UP |
|--------------|--------|-----------|----|
| 60421 | 21 cm | 10 - 50 l | 2 |



JBL ProTemp S 50

50 W safety heater-stat with protective basket

- Plastic guard protects fish such as suckermouth catfish from direct heat.
- Comes with dry run protection (turns off automatically when the water level drops or the heater is removed from the water)
- Fully submersible and very robust 2 mm safety glass.
- Direct temperature selection in °C.

| Art. no. | Length | Range | UP |
|--------------|--------|-----------|----|
| 60422 | 21 cm | 30 - 80 l | 2 |



JBL ProTemp S 100

100 W safety heater-stat with protective basket

- Plastic guard protects fish such as suckermouth catfish from direct heat.
- Comes with dry run protection (turns off automatically if the water level drops or the heater is removed from the water)
- Fully submersible and very robust 2 mm safety glass.
- Direct temperature selection in °C.

| Art. no. | Length | Range | UP |
|--------------|---------|----------|----|
| 60423 | 27,5 cm | 50-160 l | 2 |



JBL ProTemp S 150

150 W safety heater-stat with protective basket

- Plastic guard protects fish such as suckermouth catfish from direct heat.
- Comes with dry run protection (turns off automatically if the water level drops or the heater is removed from the water)
- Fully submersible and very robust 2 mm safety glass.
- Direct temperature selection in °C.

| Art. no. | Length | Range | UP |
|--------------|---------|----------|----|
| 60424 | 27,5 cm | 90-200 l | 2 |



JBL ProTemp S 200

200 W safety heater-stat with protective basket

- Plastic guard protects fish such as suckermouth catfish from direct heat.
- Comes with dry run protection (turns off automatically if the water level drops or the heater is removed from the water)
- Fully submersible and very robust 2 mm safety glass.
- Direct temperature selection in °C.

| Art. no. | Length | Range | UP |
|--------------|---------|-----------|----|
| 60425 | 37,5 cm | 100-300 l | 2 |



JBL ProTemp S 300

300 W safety heater-stat with protective basket

- Plastic guard protects fish such as suckermouth catfish from direct heat. Comes with dry run protection (turns off automatically if the water level drops or the heater is removed from the water)
- Fully submersible and very robust 2 mm safety glass.
- Direct temperature selection in °C.

| Art. no. | Length | Range | UP |
|--------------|---------|-----------|----|
| 60426 | 37,5 cm | 160-400 l | 2 |



JBL Suction pad 23-28 mm

Rubber suction pad with clips for objects of 23 - 28 mm diameter

- 2 complete suction pads with clips per package.
- Suction pads made of black rubber with extremely robust black clips.
- Clip and suction pads can be separated.
- Suitable e.g. for many heating rods.

| Art. no. | For Ø | UP |
|--------------|----------|----|
| 60408 | 23-28 mm | 1 |





JBL ProTemp b10

Undergravel heating cable for 60 - 80 cm aquariums

- Facilitates root formation and aquatic plant growth.
- Creates a near-natural flow through the bottom covering. As a result, zones of putrefication are prevented. Rotproof silicone material.
- Safety is assured due to the 12V low-voltage technology.
- Includes electric high-quality transformer and 20 suction cups for attaching the cable.

| Art. no. | Performance | For | UP |
|--------------|-------------|----------|----|
| 60415 | 10 W | 50-120 l | 1 |



JBL ProTemp b20

Undergravel heating cable for 80 - 100 cm tanks

- Facilitates root formation and aquatic plant growth.
- Creates a near-natural flow through the bottom covering. As a result, zones of putrefication are prevented.
- Safety is assured due to the 12V low-voltage technology.
- Includes electric high-quality transformer and 30 suction cups for attaching the cable.
- Heating element 4.9 m in length (heated cable) + 2 x 2.0 m PTC thermistor (unheated cable).

| Art. no. | Performance | For | UP |
|--------------|-------------|-----------|----|
| 60416 | 20 W | 100-250 l | 1 |

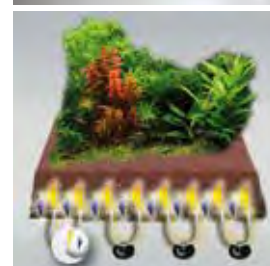


JBL ProTemp b40

Undergravel heating cable for 100 - 150 cm tanks

- Facilitates root formation and aquatic plant growth.
- Creates a near-natural flow through the undergravel. As a result, zones of putrefication are prevented. Rotproof silicone material.
- Safety is assured due to the 12V low-voltage technology.
- Includes electric high-quality transformer and 30 suction cups for attaching the cable.
- Heating element 7.0 m in length (heated cable) + 2 x 2.2 m PTC thermistor (unheated cable).

| Art. no. | Performance | For | UP |
|--------------|-------------|-----------|----|
| 60417 | 40 W | 200-400 l | 1 |



JBL ProTemp b60

Undergravel heating cable for aquariums > 150 cm

- Facilitates root formation and aquatic plant growth.
- Creates a near-natural flow through the undergravel. As a result, zones of putrefication are prevented. Rotproof silicone material.
- Safety is assured due to the 12V low-voltage technology.
- Includes electric high-quality transformer and 40 suction cups for attaching the cable.

| Art. no. | Performance | For | UP |
|--------------|-------------|-----------|----|
| 60418 | 60 W | 300-600 l | 1 |



JBL Cooler

Cooling fan for aquariums

- Indispensable if the outer temperature is high.
- Cools aquariums by 2 to 4 °C as a result of the evaporation cooling process.
- Can be mounted very easily to any aquarium wall(max. 25 mm thickness).
- Has 12V low voltage and universal energy supply for all types of voltage systems.
- Available in three sizes with 2 (17 cm), 4 (30.5 cm) or 6 (44 cm) fans.

| Art. no. | Performance | Performance | UP |
|--------------|-------------|-------------|----|
| 60440 | 5,5 W | 60-100 l | 1 |
| 60441 | 11,2 W | 100-200 l | 1 |
| 60442 | 15,3 W | 200-300 l | 1 |

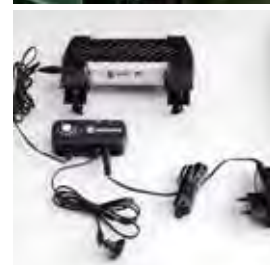


JBL CoolControl

Thermometer for Cooling Fan

- Regulates the cooling fan between 1 and 50 W (e.g., JBL Cooler, all sizes).
- Measures the temperature with its own temperature sensor.
- Connected via a DC 5/2 mm connector with the cooling fan.
- Temperature selector ranging between 18 and 36 °C. Switch for automatic, manual or off.
- Includes functional diode controller.

| Art. no. | UP |
|--------------|----|
| 60445 | 1 |





JBL ProSilent a50

Air pump for aquariums of 10 - 50 l

- Whisper quiet (< 38 dB(A)) due to special housing feet, soundproofing and weight.
- 50 l/h air output with > 160 mbar air pressure with only 2.3 W power consumption.
- 1 diaphragm and 1 air outlet.
- Ready for connection with a 2 m tube, check valve and a bubble stone.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|-------|----|
| 60540 | 50 l/h | 2,3 W | 2 |



JBL ProSilent a100

Air pump for aquariums of 40 - 150 l

- Whisper quiet (< 37 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty.
- 100 l/h air output with > 160 mbar air pressure with only 2.9 W power consumption.
- 1 diaphragm and 1 adjustable air outlet.
- Ready for connection with a 2 m tube, check valve and a bubble stone.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|-------|----|
| 60541 | 100 l/h | 2,9 W | 2 |



YouTube



JBL ProSilent a200

Air pump for aquariums of 50 - 300 l

- Whisper quiet (< 37 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty.
- 200 l/h air output with > 160 mbar air pressure with only 3.5 W power consumption.
- 1 diaphragm and 1 air outlet.
- Ready for connection with a 2 m tube, check valve and a bubble stone.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|-------|----|
| 60542 | 200 l/h | 3,5 W | 2 |



YouTube



JBL ProSilent a300

Air pump for aquariums of 100 - 400 l

- Whisper quiet (< 38.5 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty.
- 300 l/h air output with > 160 mbar air pressure with only 3.9 W power consumption.
- 2 diaphragms and 2 separately adjustable air outlets.
- Ready for connection with 2 x 2 m tube, 2 check valves and 2 bubble stones.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|-------|----|
| 60543 | 300 l/h | 3,9 W | 1 |



YouTube



JBL ProSilent a400

Air pump for aquariums of 200 - 600 l

- Whisper quiet (< 39.5 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty.
- 400 l/h air output with > 180 mbar air pressure with only 5.5 W power consumption.
- 2 diaphragms and 2 separately adjustable air outlets.
- Ready for connection with 2 x 2 m tube, 2 check valves and 2 bubble stones.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|-------|----|
| 60544 | 400 l/h | 5,5 W | 1 |



Preview JBL Expedition Venezuela 2016





JBL Check valve for air

Prevents backflow of water

- Protects items such as diaphragm pumps from backflow of aquarium water.
- For 4/6mm diameter air hoses.

Art. no.

64516

UP

1



JBL ProSilent Safe

Prevents backflow of water

- Protects items such as diaphragm pumps from backflow of aquarium water.
- For 4/6mm dia. air hoses.
- TÜV tested = safety guaranteed!

Art. no.

64318

For Ø

4/6 mm

UP

6



JBL ProSilent Control

Adjustable precision air shut-off valve

- 1 inlet, 2 air outlets with precise individual adjustment.
- Every hose connection is threaded and self-locking.
- Option of connecting this double valve with an additional double valve.
- Optional wall mount.
- The shut-off valves are not ideally suited for CO₂.

Art. no.

64316

For Ø

4/6 mm

UP

6



YouTube



JBL ProSilent Tube

2.5 m quality silicone hose

- High-end air hose of 4/6 mm.
- Extremely durable – does not harden.
- Semi-transparent silicone material.

Art. no.

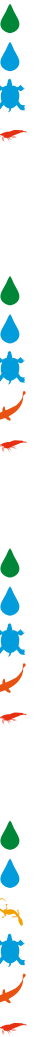
64317

Diameter

4/6 mm

UP

6



Aquarium Keeping Fresh Water



Preview JBL Expedition Venezuela 2016

Overview Filtration

Clear aquarium water –
one guarantee - no problems

The JBL CristalProfi range of internal and external filters is popular with both beginners and professionals because of its reliability and its outstanding filter performance. Benefits include low energy consumption and a 4 year guarantee, not to mention its many innovative features. To accompany this we offer a complete filter material concept consisting of 40 products, to ensure that every type of aquarium water stays crystal clear and free of problems.



Pumps



Internal filters



External filters



Filter media



JBL CristalProfi e401 greenline

- Only 4 W energy consumption means enormous energy savings.
- 450 l/h pump performance and an extremely quiet run.
- 4.6 l filter volume for a high biological filter performance and little cleaning requirements.
- 4 years guarantee. Dimensions: 180 x 210 x 284 mm.
- Ready for connection incl. 12/16 hoses, tubes, suction cage, brackets plus suction holders and filter pulp.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60200 | 450 l/h | 4 W | 1 |



JBL CristalProfi e701 greenline

- Only 9 W power consumption means 31 % energy savings.
- Extremely quiet pump with 700 l/h output.
- 6.1 l filter volume for high biological filter output and little cleaning.
- 4 years warranty. Size: 180 x 210 x 350 mm.
- Fully ready for connection incl. 12/16 hoses, tubes, suction basket, brackets, plus suction holders and filter masses.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60210 | 700 l/h | 9 W | 1 |



JBL CristalProfi e901 greenline

- Only 11 W power consumption means 27 % energy savings.
- Extremely quiet pump with 900 l/h output.
- 7.6 l filter volume for high biological filter output and little cleaning.
- 4 years warranty. Size: 180 x 210 x 405 mm.
- Fully ready for connection incl. 12/16 hoses, tubes, suction basket, brackets, plus suction holders and filter masses.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60211 | 900 l/h | 11 W | 1 |



JBL CristalProfi e1501 greenline

- Only 20W power consumption = an energy saving of 43%.
- Pump capacity of 1400 l/h and extremely quiet operation.
- 12 l filter volume for high biological filter output which requires little cleaning. 4 year warranty.
- Size: 200 x 235 x 475 mm incl. hose connection.
- Fully ready for connection incl. 16/22 hoses, tubes, suction basket, brackets, plus suction holders and filter masses.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60212 | 1400 l/h | 20 W | 1 |



JBL CristalProfi e1901 greenline

- Only 36 W energy consumption means enormous energy savings.
- 1900 l/h pump performance which runs extremely quietly.
- 15 l filter volume for a high biological filter performance and little cleaning requirements.
- 4-year guarantee. Dimensions: 200 x 235 x 564 mm.
- Ready for connection incl. 19/25 hoses, tubes, suction cage, brackets plus suction holders and filter pulp.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60222 | 1900 l/h | 36 W | 1 |



Preview JBL Expedition Venezuela 2016

Which is the right filter media?

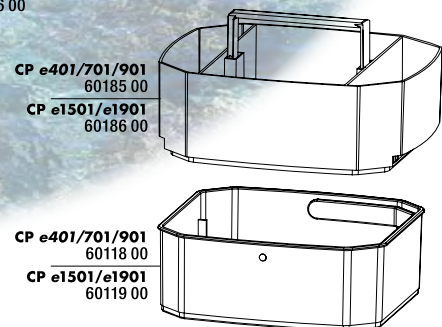
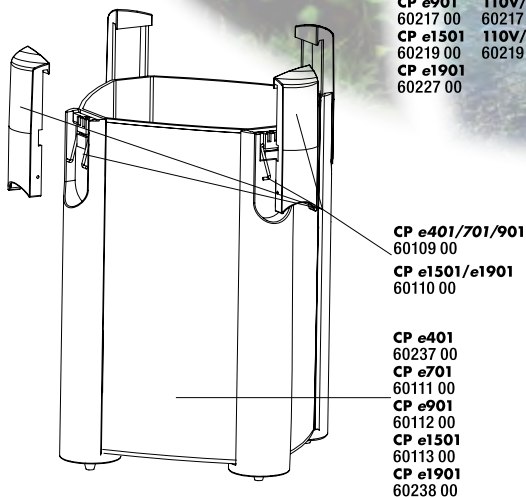
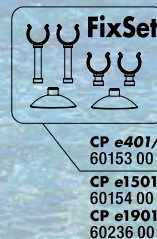
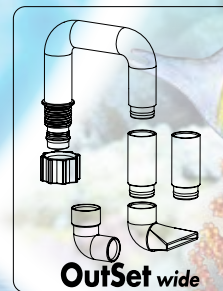
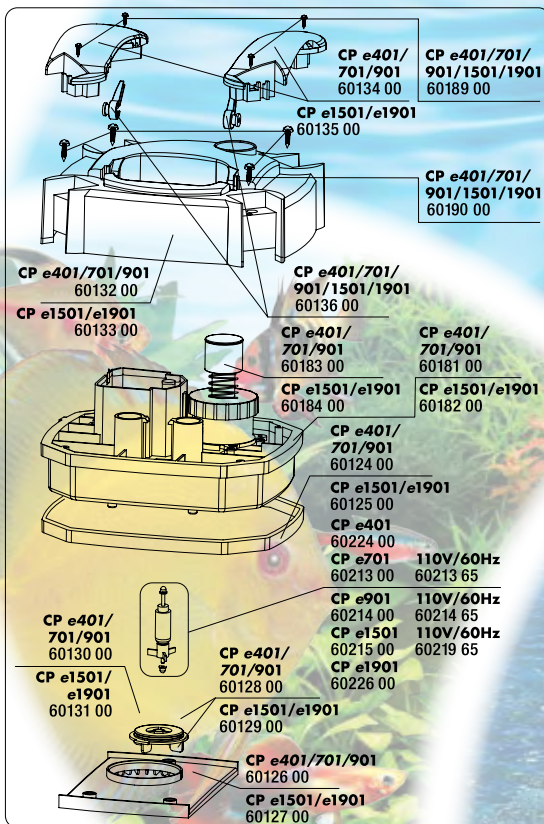
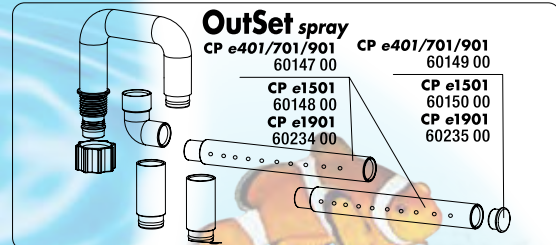
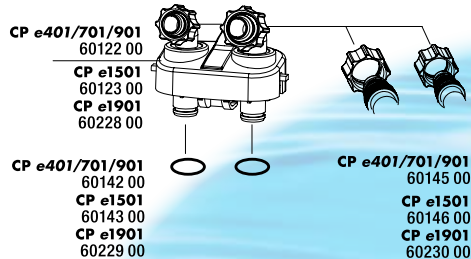
The JBL filter media you purchase with the filter have been chosen for their mechanical and biological filter effects to create the very clearest aquarium water. By the targeted use of specific filter materials it is also possible to remove harmful substances, such as nitrate or phosphate, from the aquarium water. These tables will give you an overview:

| JBL Filter (media) | | | | suitable for | | mechanically suspended matter | | biological | | chemically | | | | adsorptively herbicides pesticides medical substances tinges | |
|---------------------------|---|---|---|--------------|------------|-------------------------------|------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|--|
| | all filters | CPe-Serie | CPI-Serie | fresh-water | salt-water | coarse | fine | NH ₄ /NO ₂ | NO ₃ | NH ₄ | NO ₂ | NO ₃ | PO ₄ | | |
| JBL Filter Foam + Unibloc |  |  |  | ● | ● | ● | ●● | ● | | | | | | | |
| JBL Cermec |  | | | ● | ● | ●● | | ● | | | | | | | |
| JBL Filterball |  | | | ● | ● | ●● | | ● | | | | | | | |
| JBL Symec Micro |  | | | ● | ● | | ●● | | | | | | | | |
| JBL Symec |  | | | ● | ● | | ● | | | | | | | | |
| JBL Symec XL |  | | | ● | ● | ● | ● | ● | | | | | | | |
| JBL Symec VL |  | | | ● | ● | | ●● | ● | | | | | | | |
| JBL Carbomec activ |  | | | ● | | | | | | | | | | ●● | |
| JBL Carbomec ultra |  |  |  | ● | ● | | | | | | | | | ●● | |
| JBL ClearMec plus |  |  |  | ● | | | | ● | | | ● | ● | ● | | |
| JBL PhosEx ultra |  |  |  | ● | ● | | | | | | | | ●● | | |
| JBL NitratEx |  |  | | ● | | | | | | | | ●● | ● | | |
| JBL BioNitratEx |  | |  | ● | ● | | | | ●● | | | | ● | | |
| JBL Tormec |  |  |  | ● | | | | | | | | | | | |
| JBL SintoMec |  | | | ● | ● | ● | | ●● | ● | | | | | | |
| JBL MicroMec |  |  |  | ● | ● | | | ●● | ●● | | | | | | |
| | | | | | | | | | | | | | | | |

● highly suitable
●● very highly suitable

CristalProfi e greenline

Spare Parts



**VORSPRUNG DURCH
FORSCHUNG**
AHEAD THROUGH RESEARCH





YouTube



JBL TopClean II 2nd generation of the surface skimmer for aquariums

- Optimized floating body (more buoyancy, stronger comb, new interior form) and removable adjustment spindle. Effective prevention of scum formation (white layer on water surface). Ensures a clean water surface automatically and a higher concentration of oxygen in freshwater and seawater as a result. Only needs to be connected to the suction hose of the external filter.

Art. no.

60196

For

60-600 l

UP

2



A really useful accessory for any external filter is a surface skimmer

A really useful accessory for any external filter is a surface skimmer (JBL TopClean II), which keeps the water surface clean and guarantees maximum oxygen enrichment of the water via the water surface.

Normally the external filter draws the "dirty water" off through the suction hose, with the suction basket positioned just above the ground-covering material. However, this means that the surface water is not included in the filter circulation. Often this results in floating plant residue and the formation of a layer of "scum". This scum is a whitish "skin", comprised of bacteria and fungi, which floats on the surface of the water and prevents the exchange of gases at the surface of the water.

With JBL TopClean II you can now suction off surface water as well as water from deeper levels. By means of the regulating pin, which is easily accessible from above, the proportion of surface water suction to deep water suction can be freely selected and infinitely adjusted.

JBL TopClean II is really easy to fit: using the suction pads, simply attach the semi-circular suction chamber to the rear corner of your aquarium and connect the JBL TopClean II suction hose in place of your previous suc-



A further advantage is the floating upper section, which adapts to any variation in the level of the water (e.g. due to evaporation).

tion hose to the suction hose of the external filter. It may be necessary to re-start the external filter (priming). Once the water is flowing, you can set the ratio of surface water to deeper water suctioned off using the adjustment spindle. A red inner part can be seen through the lower suction slit. The higher the position of the red inner part, the more water is suctioned off from the surface.

How does TopClean II work?

1. SURFACE EXTRACTION

Here the dirty water from the aquarium flows into the filter

2. REGULATING PIN

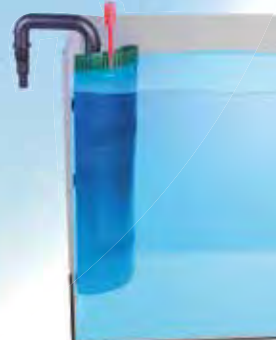
Here you can freely select the extraction ratio of surface water to water from deeper levels

3. EXTRACTION OF DEEPER WATER

Here the dirty water from the aquarium flows into the filter

4. FLOATING SUCTION COMB

Automatically adapts to varying water levels (e.g. due to evaporation)





JBL InSet

Siphoning set for external filter

- Contains all the parts required for an external filter on the suction side.
- Kit consists of: Telescopic suction hose with a bracket and a threaded hose connection for secure connection of the hose
- CP e700/e900 for an aquarium height of: 32.5 to 50 cm (hose 12/16 mm), inside width of the bracket: 63 mm.
- CP e1500/ for an aquarium height of: 34.5 to 54 cm (hose 16/22 mm), inside width of the bracket: 68 mm, with a filter basket.

| Art. no. | For CPe | UP |
|--------------|-----------|----|
| 60151 | 4/7/900/1 | 1 |
| 60152 | 1500/1 | 1 |
| 60231 | 1901 | 1 |



JBL OutSet wide

Water return set with wide jet pipe for external filter

- Ideal water return from external filter, with wide jet hose to feed water back in to aquarium without expelling too much CO₂. Ideal for planted aquariums
- Set consists of:
- Angled pipe (square) for practical installation and threaded hose connection to safely connect hoses (inside width of angle: 59 mm).

| Art. no. | For CPe | UP |
|--------------|-----------|----|
| 60155 | 4/7/900/1 | 1 |
| 60156 | 1500/1 | 1 |
| 60232 | 1901 | 1 |



JBL OutSet spray

Water return set with 2-part spray bar

- Water return from external filter which has a jet pipe with multiple settings and optional corner mounting.
- Very well suited for increasing the oxygen content. Kit consisting of:
- Angular pipe (square) for practical installation and a threaded hose connection for secure connection of the hose (inside width of angle: 59 mm).

| Art. no. | For CPe | UP |
|--------------|-----------|----|
| 60157 | 4/7/900/1 | 1 |
| 60158 | 1500/1 | 1 |
| 60233 | 1901 | 1 |



JBL elbow piece

Elbow for water hoses

- 2 pcs per pack. Prevents kinking of hoses.
- With connecting piece for both elbows (e.g. for U-shape).
- Available for 2 hose diameters.

| Art. no. | Content | UP |
|--------------|---------|------------|
| 60833 | 2 pcs. | 12/16 mm 1 |
| 60834 | 2 pcs. | 16/22 mm 1 |



JBL FixSet

Suction pad and spacer set

- Holds pipes and hoses securely in the desired position.
- Spacer clips are the solution for aquarium brace bars on the top edge!
- Set consists of:
- 2 suction pads with clips (distance from centre pipe/glass 2 cm)
- 2 suction pads with spacer clips (distance from centre pipe/glass 3.5 cm)

| Art. no. | For CPe | UP |
|--------------|-----------|----|
| 60153 | 4/7/900/1 | 1 |
| 60154 | 1500/1 | 1 |
| 60236 | 1901 | 1 |



JBL CPe impeller

Full set of spare parts for JBL CristalProfi e-range

- Kit consists of:
- Impeller
- Ceramic axis
- Ceramic bearing
- Rubber buffers

| Art. no. | For CPe | UP |
|--------------|---------|----|
| 60106 | e700 | 1 |
| 60107 | e900 | 1 |
| 60108 | e1500 | 1 |
| 60224 | e401 | 1 |
| 60213 | e701 | 1 |
| 60214 | e901 | 1 |
| 60215 | e1501 | 1 |
| 60226 | e1901 | 1 |



JBL pulling aid for rotor

Practical auxiliary tools for external filters (JBL CristalProfi e)

- The drawing aid makes it possible to pull the bearing bush out at the end of the ceramic axis, which is difficult to reach otherwise. The brush enables a perfect cleaning of the tunnel in which the impeller rotates.
- Cleaning the impeller tunnel improves performance by restoring the original performance of the pump.

| Art. no. | UP |
|--------------|----|
| 60114 | 3 |



YouTube



JBL ProSilent TekAir

Air-driven internal filter for aquariums up to 80 l (20 US gal.)

- Particularly suitable for rearing young fry.
- Simple to place in aquarium, no suction cups required.
- Easy to clean and dismantle.
- Air pump not included.

Art. no.

64319

UP

2



JBL CristalProfi i40

Internal filter for aquariums up to 80l/60cm

- Many people swear by this filter system, especially if they have young fish!
- Slow water current produces good biological filtration.
- Only 18 cm high, can be extended by the filter module.
- Suction cups are unnecessary due to the stable stand.
- Quiet air pump has a capacity of 80 l/h, comes with a spare membrane and a 2 m air hose.

Art. no.

60900

Watt

3 W

UP

2



JBL CristalProfi i60 greenline

Internal filter for 40 to 80 litre aquariums

- Full connectivity with filter pulp.
- Energy-saving: only 4 W.
- With extra strong suction mounting and practical push buttons for loosening the suction cups. Expandable and adjustable to any size due to the construction method of the module.
- Dimensions: 8.5 x 8.5 x 15.5 cm.
- The performance of the pump has a variable capacity from 150 to 420 l/h.

Art. no.

60971

Watt

4 W

UP

2



JBL CristalProfi i80 greenline

Internal filter for 60 to 110 litre aquariums

- Full connectivity with filter pulp.
- Energy-saving: only 4 W.
- With extra strong suction mounting and practical push buttons for loosening the suction cups. Expandable and adjustable to any size due to the construction method of the module.
- Dimensions: 8.5 x 8.5 x 22.5 cm.
- The performance of the pump has a variable capacity from 150 to 420 l/h.

Art. no.

60972

Watt

4 W

UP

2



JBL CristalProfi i100 greenline

Internal filter for 90 to 160 litre aquariums

- Full connectivity with filter pulp.
- Energy-saving: only 8 W.
- With extra strong suction mounting and practical push buttons for loosening the suction cups. Expandable and adjustable to any size due to the construction method of the module.
- Dimensions: 8.5 x 8.5 x 29.5 cm.
- The performance of the pump has a variable capacity from 300 to 720 l/h.

Art. no.

60973

Watt

8 W

UP

2



JBL CristalProfi i200 greenline

Internal filter for 130 to 200 l aquariums

- Full connectivity with filter pulp.
- Energy-saving: only 8 W.
- With extra strong suction mounting and practical push buttons for loosening the suction cups. Expandable and adjustable to any size due to the construction method of the module.
- Dimensions: 8.5 x 8.5 x 36.5 cm.
- The performance of the pump has a variable capacity from 300 to 720 l/h.

Art. no.

60974

Watt

8 W

UP

2



JBL CristalProfi i greenline Filter Module

Complete filter module for JBL CristalProfi greenline series (i60 – i200).

- Can be used for every JBL CristalProfi greenline filter as a replacement or supplement for expansion. Expanding the filter by a module considerably increases its durability and treatment efficiency. The set contains: a filter cage module, bio filter foam 25 ppi, inner tube.

Art. no.

60984

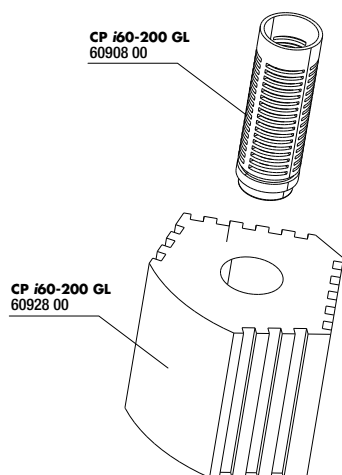
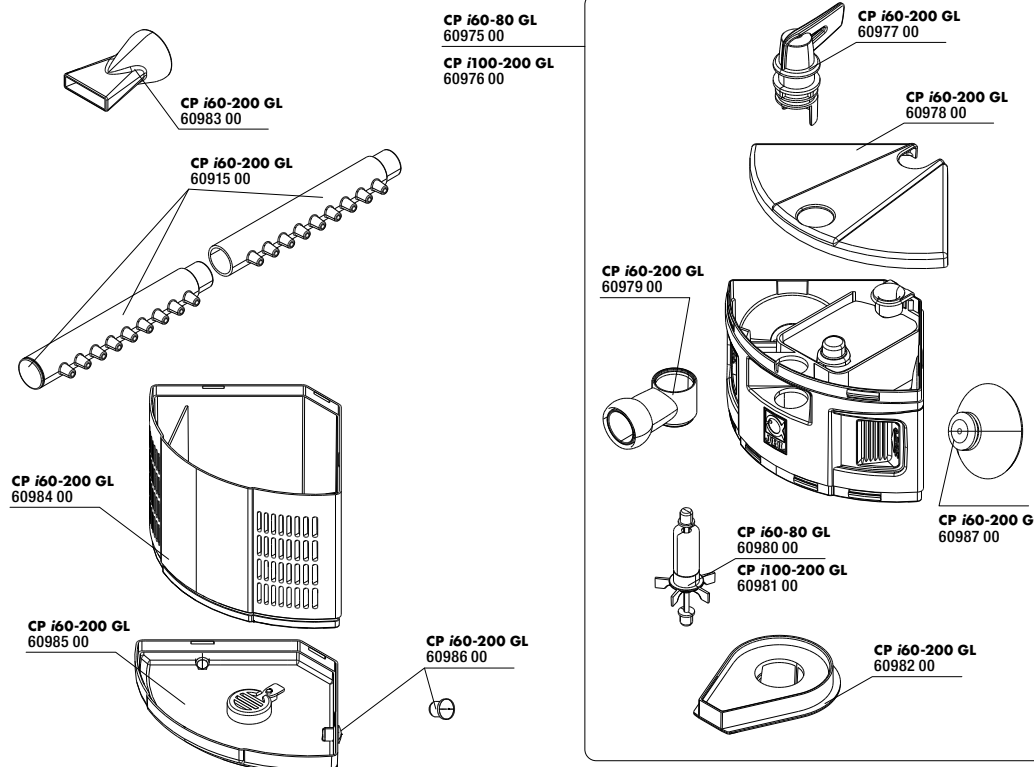
UP

1

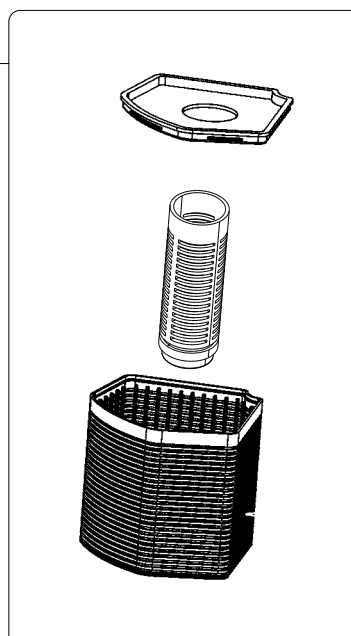


Spare Parts

CristalProfi® *i* 60, 80, 100, 200
greenline



CP i60-200 GL
60907 00





JBL CristalProfi m greenline Flat internal filter for small aquariums

- Only 13 cm long with a depth of 13 to 65 mm, at a height of 18 cm. Practical slide lever to loosen and to attach the suction holder. Includes a pump (200 l/h) and a wide jet water return pipe.
- Large suction surface with a sponge top prevents small fish and shrimps from being sucked in.
- With fastening clip for thermometer (included).
- Expandable with a further filter module (+12 cm height).

Art. no.

60960

Perfor-
mance
3,5 W

Perfor-
mance
200 l/h

UP
2


JBL CristalProfi m greenline Module Filter module for expansion of the JBL CristalProfi m internal filter

- 12 cm high. Same shape as the CP m internal filter.
- Simply clip from outside into the extension module of the JBL CristalProfi m.
- Cover panel for sponges and the drain valve can be lifted out for cleaning so that no dirty water flows back into the aquarium.

Art. no.

60966

UP

2



JBL CristalProfi m greenline Filter-Pad Spare sponge for the JBL CristalProfi m internal filter.

- Pore width of the black foam: 35 ppm.
- Dimensions: 14 x 12.7 cm.
- Simply press into the JBL CristalProfi m internal filter from the outside.
- Fully washable. Fine enough to prevent small fish and shrimps from being sucked in.

Art. no.

60967

UP

3



JBL CristalProfi m greenline Filter-Pad Module Spare filter foam for JBL CristalProfi m module

- Spare filter foams to fit the extension module of the JBL CristalProfi m internal filter.
- Contains two spare filter foams.
- The spare filter foams of the extension module have smaller dimensions than the spare filter foams of the filter itself!

Art. no.

60968

UP

3





JBL WideSet 12/16 (CP i)

Water outlet set with wide jet hose for internal filter

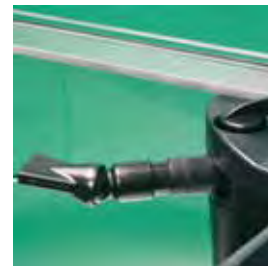
- Suitable for JBL CP i60 - i200 and all others with 12/16 mm connection.
- Ideal water return from internal filter. Wide jet hose delivers water into the aquarium without dispelling too much CO₂.
- Ideal for planted aquariums.
- Wide jet hose can be adjusted sideways.

Art. no.

60919

UP

1



JBL SpraySet 12/16 (CP i)

Water outlet set with 2-part spray bar

- Water flows back from internal filter through spray bar which is simply plugged onto the outlet.
- Highly recommended to increase oxygen levels.
- One or both spray bars can be used depending on required spray strength.

Art. no.

60915

UP

1



JBL VenturiSet 12/16 (CPi)

Diffusor set for JBL CristalProfi i series

- Also fits all 12/16 mm hose connectors.
- Simply fit onto outlet and the diffuser draws air into the outlet water.
- Increases the oxygen content without dispelling too much CO₂.
- Adjustable air supply.
- Includes check valve.

Art. no.

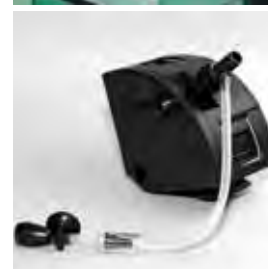
60916

Diameter

12/16
Tube

UP

1



JBL CP i magnetic holder

Magnetic mounting clip holder for JBL CristalProfi i-range

- Individual magnetic clip to hold the internal filter of the JBL CristalProfi i-range in position.
- Attaches to the aquarium glass from outside.

Art. no.

60906

UP

1



JBL CristalProfi i greenline Filter Module

Complete filter module for JBL CristalProfi greenline series (i60 – i200).

- Can be used for every JBL CristalProfessional greenline filter as a replacement or supplement for expansion. Expanding the filter by a module considerably increases its durability and treatment efficiency. The set contains: a filter cage module, bio filter foam 25 ppi, inner tube.

Art. no.

60984

UP

1



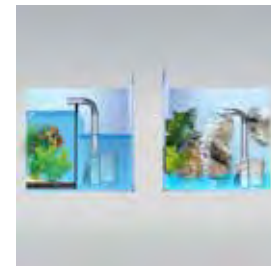


JBL ProFlow t300

Submersible pump with 80-300 l/h for pumping water in aquariums

- Can be used immersed within aquariums and water terrariums.
- Stainless steel pin for freshwater and saltwater.
- High performance with only 4 watt energy consumption.
- Maximal pumping head: 0.5 m.
- Hose connection outlet: 16/22.
- 3 reliable suction holders for fastening.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60580 | 300 l/h | 4 W | 1 |



JBL ProFlow t500

Submersible pump with 200-500 l/h for pumping water in aquariums

- Applicable within and immersed in aquariums and water terrariums.
- Stainless steel pin. Only 5 W energy consumption.
- Maximal pumping head: 0.8 m.
- Hose connection outlet: 16/22.
- Three reliable suction holders for fastening.
- Dimensions: (L x W x H) 57 x 34.4 x 54.5 mm.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60581 | 500 l/h | 5 W | 1 |

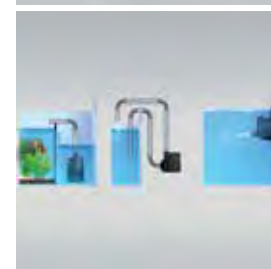


JBL ProFlow u800

Universal pump for pumping water at 900 l/h

- Applicable inside and outside of aquariums and terrariums.
- Stainless steel pin for fresh and salt water.
- High performance with only 7 W energy consumption.
- Maximal pumping head: 0.95 m.
- Hose connection inlet: 19/25, outlet 16/22.
- Four reliable suction holders for fastening.
- Dimensions: (L x W x H) 79.1 x 45.5 x 82.5 mm.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60583 | 900 l/h | 7 W | 1 |



JBL ProFlow u1100

Universal pump for pumping water at 1200 l/h

- Applicable inside and outside of aquariums and terrariums.
- Stainless steel pin for fresh and salt water.
- High performance with only 12 W energy consumption.
- Maximal pumping head: 1.30 m.
- Hose connection inlet: 19/25, outlet 16/22.
- Four reliable suction holders for fastening.
- Dimensions: (L x W x H) 79.1 x 45.5 x 82.5 mm.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60584 | 1200 l/h | 12 W | 1 |



JBL ProFlow u2000

Universal pump for pumping water at 2000 l/h

- Applicable inside and outside of aquariums and terrariums.
- Stainless steel pin for fresh and salt water.
- High performance with only 35 W energy consumption.
- Maximal pumping head: 2.00 m.
- Hose connection inlet: 27/35, outlet 19/25.
- Four reliable suction holders for fastening.
- Dimensions: (L x W x H) 107 x 54 x 96 mm.

| Art. no. | Performance | Watt | UP |
|--------------|-------------|------|----|
| 60585 | 2000 l/h | 35 W | 1 |



JBL ProFlow sf (u800,1100,2000)

Fast filter cartridge for JBL ProFlow u 800/1100/2000

- Converts every ProFlow u pump into a complete internal/fast filter (also suitable for other pumps).
- Mechanical and biological filtering with 35 ppi specialty foam.
- Large external surface (5 m2) thanks to a dedicated profile which enables long service life (flattened on one side for better positioning near the aquarium pane).

| Art. no. | UP |
|--------------|----|
| 60610 | 1 |



Preview JBL Expedition Venezuela 2016





JBL AutoFood BLACK

Automatic Feeder for aquarium Fish

- Attractive black/transparent design.
- 125 ml contents – or 375 ml with screw-on 250 ml food container.
- Suitable for all granulates up to 3 mm.
- Guaranteed operation with batteries (3 x 1.5 V AA included).
- With air connection to keep food dry.
- Easy setting for up to 4 feeds per day.
- 3 year guarantee.

Art. no.

60615

UP

2



JBL AutoFood WHITE

Automatic feeder for aquarium fish

- Attractive white/transparent design.
- 125 ml contents – or 375 ml with screw-on 250 ml food container.
- Suitable for all granulates up to 3 mm.
- Guaranteed operation with batteries (3 x 1.5 V AA included).
- With air connection to keep food dry.
- Easy setting for up to 4 feeds per day.
- 3 year guarantee.

Art. no.

60616

UP

2



AutoFood *Black* *White*





JBL SymecMicro

Microfibre filter floss prevents any water cloudiness

- Filters finest types of clouding from water.
- Filters floating algae from water.
- Filters out all particles larger than 1/1000 mm (like diatom filters), such as swarm spores of the white spot disease. Non-polluting, suitable for freshwater and saltwater.

| Art. no. | Width | Length | UP |
|--------------|-------|--------|----|
| 62387 | 25 cm | 75 cm | 6 |



JBL Symec

Fine filter wool

- Synthetic residue-free filter wool.
- For freshwater and saltwater.
- Washable.

| Art. no. | Content | UP |
|--------------|---------|----|
| 62311 | 100 g | 25 |
| 62313 | 250 g | 20 |
| 62315 | 500 g | 12 |
| 62317 | 1000 g | 1 |



JBL Symec XL Filterwool

Coarse filter wool

- Green, high-quality filter wool, maintains its volume.
- Synthetic residue-free material.
- For freshwater and saltwater.

| Art. no. | Content | UP |
|--------------|---------|----|
| 62325 | 250 g | 20 |

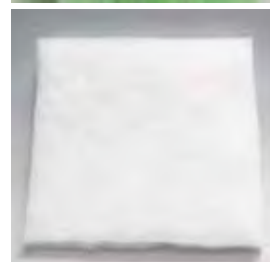


JBL Symec VL

Filter floss 80 x 25 x 3 cm

- Can be cut to size.
- Twice to three times the service life of other filter flosses.
- No matting.
- Suitable for all types of filter.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 62310 | 25 cm | 80 cm | 1 |



JBL Fine Filter Foam

Foam block 50 x 50 x 2,5/5/10 cm

- NEW: Now also available in 2.5 and 10 cm thickness!
- Open-pored foam produced in a special high-pressure process.
- Neutral filter material for freshwater and saltwater aquariums.
- Can be cut to any shape required.
- Fine pored pre-filter material or long-term filter material.
- 30 PPI (pores per inch)

| Art. no. | Height | UP |
|--------------|--------|----|
| 62562 | 2,5 cm | 1 |
| 62561 | 5 cm | 1 |
| 62563 | 10 cm | 1 |



JBL Coarse Filter Foam

Foam block 50 x 50 x 2,5/5/10 cm

- NEW: Now also available in 2.5 and 10 cm thickness!
- Open-pored foam produced in a special high-pressure process.
- Neutral filter material for freshwater and saltwater.
- Can be cut to any shape required.
- Coarse pore size: biological long-term filter material.
- 10 PPI (pores per inch)

| Art. no. | Height | UP |
|--------------|--------|----|
| 62565 | 2,5 cm | 1 |
| 62560 | 5 cm | 1 |
| 62566 | 10 cm | 1 |



Preview JBL Expedition Venezuela 2016



**JBL Sintomec****White intensive bio-filter rings**

- High-quality sintered glass rings for intensive biological water clarifying.
- Internal hole diameter only 5 mm, resulting in thicker wall depth and providing more effective surface for bacteria which breakdown pollutants.
- 1 litre has 1200 m2 effective surface, 5 times as much as conventional ceramic tubes.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62547 | 450 g | 200 l | 6 |

**JBL Micromec****White intensive bio-filter balls**

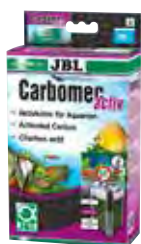
- High-quality sintered glass balls for crystal-clear water.
- With only 14 mm ball diameter also suitable for small filters. Conical tunnel pores allow algae-promoting nitrates to be broken down.
- More intensive breakdown of ammonium and nitrite.
- 1 litre has 1500 m2 effective surface, 8 times as much as conventional ceramic tubes.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62548 | 650 g | 200 l | 6 |

**JBL Cermec****Ceramic filter tubes**

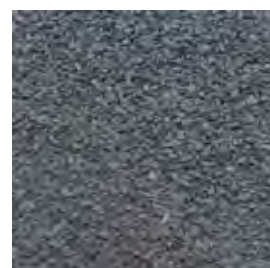
- Tried and tested ceramic material for mechanical filtration.
- For use in fresh- and saltwater aquariums.
- As pre-filter medium, protects the biological filter material from rapid silting.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62375 | 750 g | 200 l | 6 |

**JBL Carbonec activ****High performance active carbon for the freshwater aquarium**

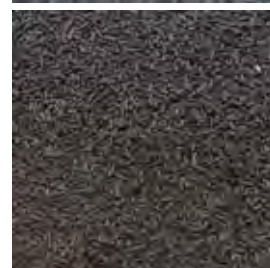
- Special pre-treatment for use in fresh water up to a pH of 7.5. pH-neutral and neutral conductivity.
- No phosphates encouraging algae growth are released into the water. Filters out discolourations and residues of medications fast.
- Ready for immediate use with a net bag and clip.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62345 | 400 g | 200 l | 6 |

**JBL Carbonec ultra carbon****Superactive carbon in pellet form for the saltwater aquarium**

- Activated carbon specially designed for pH 8.0.
- 100 % phosphate-free.
- Absorbed materials are not released again.
- pH-neutral and neutral conductivity.
- Ready for immediate use with a net bag and clip.
- Also suitable for pH levels of about 8 in Malawi and Tanganyika aquariums.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62355 | 400 g | 200 l | 6 |

**JBL Tormec activ****Active peat pellets**

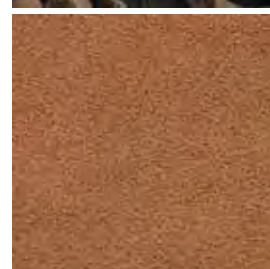
- 2-component pellets for fast, long-lasting effect.
- Reduces CH (carbonate hardness) and pH.
- Changes the colour of the water to light amber, preventing the growth of algae.
- Creates the optimum conditions for keeping and breeding fish from black water habitats e.g. ram cichlids.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62367 | 1000 ml | 800 l | 6 |

**JBL SilikatEx****A special filter material which eliminates silicic acid and phosphate**

- Silicate (silicic acid, SiO_2) causes unattractive diatom algae in the aquarium.
- Mains water often contains levels of silicates which create problems with diatom algae.
- This filter material permanently absorbs silicate and phosphate, preventing the growth of diatom.

| Art. no. | Content | Range | UP |
|--------------|---------|-----------|----|
| 62549 | 500 g | 200-400 l | 6 |



**JBL NitratEX****Filter material for the rapid removal of nitrates**

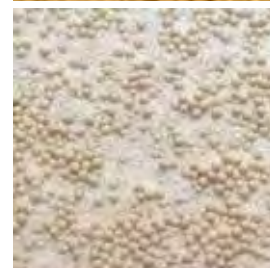
- Only for freshwater aquariums.
- Prevents and removes undesirable algae growth.
- 250 ml (170 g) absorbs 9000 mg nitrate.
- Filter bag included.
- Suited for multiple use through easy reactivation with common salt.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62537 | 250 ml | 200 l | 6 |

**JBL BioNitratEX****Biological filtermaterial for the removal of nitrates**

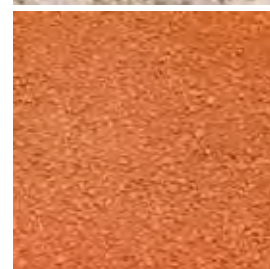
- Removes the main nutrient of algae, nitrate, off the water. Operates exclusively through nitrate-eliminating bacteria, without the use of chemical additives or exchange products.
- Bacteria need no extra feeding, as substrate includes feed.
- Also suitable for use in saltwater in combination with the active carbon JBL Carbonec ultra as after-filter.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62535 | 240 g | 200 l | 6 |

**JBL PhosEX ultra****Filter mass for the removal of phosphates**

- Phosphate in excess of 0.25 mg/l in freshwater, or 0.1 mg/l in saltwater, will give rise to algae-induced problems.
- 340 g of the products permanently absorbs 18,000 mg phosphates. Comprised of an insoluble iron compound which releases no toxins into the water.
- Effect measurable after only 24 hours.
- For fresh- and saltwater aquariums.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62541 | 340 g | 200 l | 6 |

**JBL ClearMec plus****Filter material for the removal of nitrites, nitrates and phosphates**

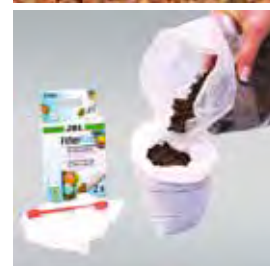
- Creates crystal-clear aquarium water.
- Removes the nutrients for algae, preventing excessive algae growth. Absorbs nitrites, nitrates and phosphates for 3 months.
- For 150 to 300 liters freshwater.
- Material is ready-packed in two filter bags.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 62395 | 600 ml | 300 l | 6 |

**JBL FilterBag fine**
container bag for fine filter material

- Enables an easier removal of the filter materials from the filter to clean or to replace them. For fine filter media like activated carbon. One package contains 2 sachets for 0,5 – 1,5 l filter material with practical sealing clip. The nylon material (polyamide) is absolutely water neutral.

| Art. no. | Content | UP |
|--------------|----------|----|
| 62551 | 2 Pieces | 6 |

**JBL FilterBag wide**
concainer bag for coarse filter material

- Enables an easier removal of the filter material from the filter, to clean or to replace it.
- For coarse filter media like JBL SintoMec or JBL Cermec.
- One pack contains 2 sachets for 0.5 – 1.5 l filter material. With a practical sealing clip.
- The water neutral nylon material (polyamide) does not release any harmful substances into the water.

| Art. no. | UP |
|--------------|----|
| 62552 | 6 |

**Preview JBL Expedition Venezuela 2016**

**JBL FilterPad VL****Cotton fleece cut to size**

- (62201) Fits JBL Cristal Profi 120/250 filters.
- (62202) Fits JBL Cristal Profi 500 filters.
- Ultra-fine filter material for efficient post-filtering in filters.
- Contains 2 pieces per pack.

| Art. no. | Content | UP |
|--------------|----------|----|
| 62201 | 2 Pieces | 1 |
| 62202 | 2 Pieces | 1 |

**JBL FilterPad F15****Coarse foam cut to size (15 ppi)**

- Biological and mechanical filter material.
- (62210) Fits JBL CristalProfi 120/250 filters.
- (62211) Fits JBL CristalProfi 500 filters.
- 100% neutral polyether foam.
- Resistant to freshwater and saltwater.
- Coarse, open-pored foam with a pore size of 15 ppi (pores per inch or 2,4 cm).

| Art. no. | Content | UP |
|--------------|----------|----|
| 62210 | 2 Pieces | 1 |
| 62211 | 2 Pieces | 1 |

**JBL FilterPad F35****Fine foam cut to size (35 ppi)**

- Biological and mechanical filter material.
- (62206) Fits JBL CristalProfi 120/250 filter.
- (62207) Fits JBL CristalProfi 500 filter.
- 100% neutral polyether foam.
- Resistant to freshwater and saltwater. Fine, open-pored foam with a pore size of 35 ppi (pores per inch).

| Art. no. | Content | UP |
|--------------|----------|----|
| 62206 | 2 Pieces | 1 |
| 62207 | 2 Pieces | 1 |

**JBL TekAir replacement sponge****High-quality sponge**

- Open-pored sponge for efficient biological filtering.
- Sponge size: 10 cm x 8 cm.
- Can be used repeatedly by rinsing.
- Make sure not to forget starter bacteria (JBL FilterStart) after cleaning or adding new fish.

| Art. no. | Content | UP |
|--------------|----------|----|
| 61413 | 1 Pieces | 1 |

**JBL UniBloc CP i40/TekAir blue, coarse****Replacement foam cartridge for JBL CristalProfi i40 and TekAir**

- 25 ppi (pores per inch) foam for optimum service life.
- 100% water-neutral synthetic material, which releases no harmful substances into the water.
- Round cross-section with T-profile, which exactly fits the JBL CristalProfi i40, JBL TekAir and other filters with the same tube diameter.

| Art. no. | Content | For CPl | UP |
|--------------|----------|---------------|----|
| 60927 | 1 Pieces | 40/ TekAir | 3 |

**JBL UniBloc CP i80-200****Replacement foam cartridge for JBL CristalProfi i80 to 200**

- 25 ppi (pores per inch) foam for optimum service life.
- 100% water-neutral synthetic material, which releases no harmful substances into the water.
- Cross-section with T profile, which exactly fits into the modules of JBL CristalProfi i80, 100, 200 (also greenline versions).
- Very large surface for optimal biological filtering and clear water.

| Art. no. | Content | For CPl | UP |
|--------------|----------|---------|----|
| 60928 | 1 Pieces | 60-200 | 3 |

**JBL CristalProfi m greenline Filter-Pad****Spare sponge for the JBL CristalProfi m internal filter.**

- Pore width of the black foam: 35 ppm.
- Dimensions: 14 x 12.7 cm.
- Simply press into the JBL CristalProfi m internal filter from the outside.
- Fully washable. Fine enough to prevent small fish and shrimps from being sucked in.

| Art. no. | Content | UP |
|--------------|---------|----|
| 60967 | | 3 |





NEW



JBL CristalProfi m greenline Filter-Pad Module

Spare filter foam for JBL CristalProfi m module

- Spare filter foams to fit the extension module of the JBL CristalProfi m internal filter.
- Contains two spare filter foams.
- The spare filter foams of the extension module have smaller dimensions than the spare filter foams of the filter itself!

Art. no.

60968

UP

3



JBL CP e CombiBloc

Set with pre-filter pads and fine filter foam

- Filter foam pads for top basket of JBL CristalProfi e-series.
- The foam is fresh- and saltwater-neutral and releases no harmful substances.
- Set contains:
 - 2 (+ 2 extra) pre-filter T-profile pads (10 ppi)
 - 1 medium-pored foam pad (20 ppi)
 - 1 fine-pored foam pad (30 ppi)
- 60159: CPe 401, 700, 701, 900, 901
- 60160: CPe 1500, 1501, 1901

Art. no.

60159

60160

Content

6 pcs.

6 pcs.

For CPe

4-7-901

15-1901

UP

1

1



JBL CP e UniBloc

Bio-filter foam pads for JBL CP e-range

- Filter foam pads for the middle basket of the JBL CristalProfi e-series.
- Pore width specially designed for bio-filtering (bacterial colonization).
- Round middle section can be replaced with special filter media.
- Contents:
 - 2 pads with 20 ppi pore width.
- 60161: CPe 401, 700, 701, 900, 901
- 60162: CPe 1500, 1501, 1901

Art. no.

60161

60162

Content

2 sets

2 sets

For CPe

4-7-901

15-1901

UP

1

1



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JBL CarboMec Ultra CP i

Active filter carbon, ready to use in set for CP i-range (60 - 200)

- Phosphate-free high-capacity active carbon.
- Renew active carbon after 3 weeks.
- Removes medication residue and discolouration.
- Set contains: 1 x high-capacity active carbon pad ready to use in filter basket (190 ml) with inner pipe.
- Can be used with CP i60, but not recommended as sole filter media. Also for greenline.

| Art. no. | Content | Range | UP |
|----------|---------|----------|----|
| 60930 | 190 ml | 50-100 l | 3 |

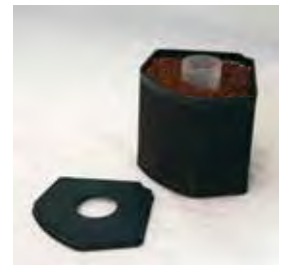


JBL PhosEx Ultra CP i

Phosphate eliminator ready to use in set for CP i-range (60 - 200)

- Solves algae problems by eliminating phosphate in freshwater and saltwater.
- Renew after 2 - 3 months or if the phosphate levels rise again.
- Set contents: 1 x high-capacity phosphate remover ready to use in filter basket (190 ml) with inner pipe.
- Also for greenline.

| Art. no. | Content | Range | UP |
|----------|---------|----------|----|
| 60931 | 190 ml | 50-100 l | 3 |



JBL ClearMec CP i

Set with nitrite, nitrate and phosphate eliminator ready to use for the CP i-range (60 - 200)

- For crystal-clear water without algae problems.
- Renew after approx. 3 months
- Set contains:
- One special filter media ready to use in filter basket (190 ml) with inner pipe.
- Also for greenline.

| Art. no. | Content | Range | UP |
|----------|---------|----------|----|
| 60932 | 190 ml | 50-100 l | 3 |



JBL TorMec mini CristalProfi i

Mini active peat pellets ready to use in set for CP i-range (60 - 200)

- For natural tropical water without algae problems.
- Prevents an increase in pH in a natural way.
- Slightly reduces water hardness (KH).
- Filters out components of light that promote algae.
- Renew after approx. 3 months.
- Set contains: 1 x mini peat granulate ready to use in filter basket (190 ml) with inner pipe.
- Also for greenline.

| Art. no. | Content | Range | UP |
|----------|---------|----------|----|
| 60933 | 190 ml | 50-100 l | 3 |



JBL BioNitrat Ex CP i

Biological nitrate remover ready to use for CP i-range (60 - 200)

- Biologically breaks down algae-promoting nitrates.
- Special foam cartridge enriched with bacteria nutrient so that bacteria use nitrate as a source of oxygen.
- Renew after approx. 6 months.
- Can be used with JBL CP i60, but not recommended as sole filter media.
- Also for greenline.

| Art. no. | Content | Range | UP |
|----------|-------------|----------|----|
| 60934 | 1 cartridge | 50-100 l | 3 |



JBL MicroMec CP i

High-performance filter pellets break down nitrogen in the CP i-range (60 - 200)

- Sintered glass pellets with highly porous structure.
- Bacteria in the outer layer break down ammonium and nitrite (aerobic zone).
- In the center, bacteria in the anaerobic zone break down nitrate.
- Contents: 190 ml ready to use in filter basket with inner pipe.
- Also for greenline.

| Art. no. | Content | Range | UP |
|----------|---------|----------|----|
| 60929 | 190 ml | 50-100 l | 3 |



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JBL CarboMec Ultra Pad

Set with foam pad and active filter carbon for CP e-range

- Phosphate-free high-capacity activated carbon.
- Renew activated carbon after 3 weeks.
- Removes medication residue and discolouration.
- Set contains: 2 x shaped foam pads (20 ppi) with cut-off; 1 x high-capacity activated carbon in net bag 60167: CPe 401, 700, 701, 900, 901 60168: CPe 1500, 1501, 1901

| Art. no. | Content | For CPe | UP |
|--------------|---------|---------|----|
| 60167 | 500 ml | 4-7-901 | 3 |
| 60168 | 800 ml | 15-1901 | 3 |



JBL PhosEx ultra Pad

Set with foam pad and phosphate eliminator for CP e-range

- Solves algae problems by removing phosphates in freshwater and in saltwater.
- The foam edging ensures a slow water flow through the phosphate eliminator in the centre.
- Set contains: 2 x shaped foam pads (20 ppi) with cut-off; 1 x high-capacity phosphate remover in net bag.
- 60169: CPe 401, 700, 701, 900, 901
- 60170: CPe 1500, 1501, 1901

| Art. no. | Content | For CPe | UP |
|--------------|---------|---------|----|
| 60169 | 500 ml | 4-7-901 | 3 |
| 60170 | 800 ml | 15-1901 | 3 |



JBL NitratEx Pad

Set with foam pad and nitrate eliminator for CP e-range

- Exchanger resin, selectively eliminating nitrate from freshwater. Can be simply regenerated with saltwater.
- Solves algae problems by eliminating nitrate in freshwater. Set contains: 2 x shaped foam pads (20 ppi) with cut-off; 1 x high-capacity nitrate remover in net bag.
- 60171: CPe 401, 700, 701, 900, 901
- 60172: CPe 1500, 1501, 1901

| Art. no. | Content | For CPe | UP |
|--------------|---------|---------|----|
| 60171 | 250 ml | 4-7-901 | 3 |
| 60172 | 360 ml | 15-1901 | 3 |



JBL TorMec CPe

Active peat pellets for CP e-range

- 2-component active peat pellets, gently reducing pH and KH.
- One component for immediate results and one for long-term effectiveness.
- Prevents algae growth in freshwater.
- 1000 ml reduces KH in 200 l by 5-7°GKH.
- Renew after 3 – 6 months.
- 60173: CPe 401, 700, 701, 900, 901
- 60174: CPe 1500, 1501, 1901

| Art. no. | Content | For CPe | UP |
|--------------|---------|---------|----|
| 60173 | 800 ml | 4-7-901 | 3 |
| 60174 | 1300 ml | 15-1901 | 3 |



JBL ClearMec plus Pad

Set with nitrite, nitrate and phosphate eliminator for the CP e-range

- For crystal clear water without algae problems.
- The foam edging ensures a slow water flow through the pollutant eliminator in the centre.
- Set contains: 2 x shaped foam pads (20 ppi) with cut-off; 1 x nitrite, nitrate & phosphate remover in net bag.
- 60175: CPe 401, 700, 701, 900, 901
- 60176: CPe 1500, 1501, 1901

| Art. no. | Content | For CPe | UP |
|--------------|---------|---------|----|
| 60175 | 500 ml | 4-7-901 | 3 |
| 60176 | 800 ml | 15-1901 | 3 |



JBL MicroMec CP e

High-performance filter pellets break down nitrogen in the CP e-range

- Sintered glass pellets with highly porous structure.
- Bacteria in the outer layer break down ammonium and nitrite (aerobic zone).
- In the center, bacteria in the anaerobic zone break down nitrate.
- 60177: CPe 401, 700, 701, 900, 901
- 60178: CPe 1500, 1501, 1901

| Art. no. | Content | For CPe | UP |
|--------------|---------|---------|----|
| 60177 | 1000 ml | 4-7-901 | 3 |
| 60178 | 1600 ml | 15-1901 | 3 |



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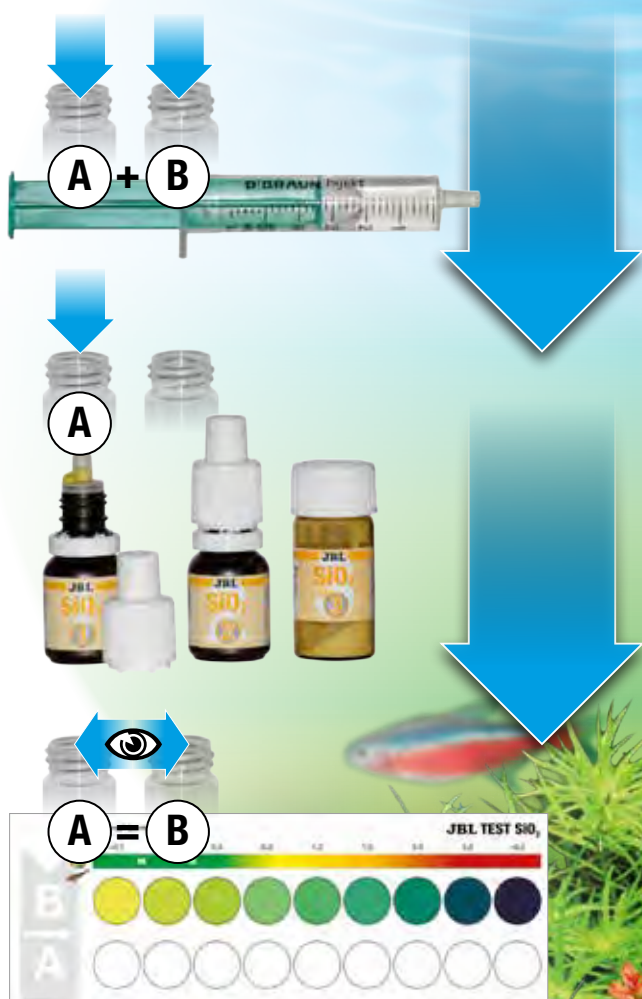


JBL Test-Set

Laboratory compensation system compensates water discoloration.

For a regular monitoring of your aquarium water JBL offers twenty different test sets. With most of the tests a reagent is added to change the colour of the water. The JBL tests have a special feature to make the reading easier and extremely accurate: Instead of comparing the colour change of the water on a colour scale, a second measuring

glass with the aquarium water is put on the colour chart with the colour field. This water then appears to have (optically) changed its colour, which makes it easier to compare it very accurately with the water colour of the other measuring glass. This system of comparison is called comparator system.



Use the enclosed syringe to fill each of the test containers with sample water.



Add the reagent to one of the test containers.



Move the comparator block with the two test containers backwards and forwards on the colour chart with the notch pointing to the values, until the colour of the sample treated with reagent matches the colour under the blank sample as closely as possible.



**VORSPRUNG DURCH
FORSCHUNG**
AHEAD THROUGH RESEARCH



**JBL pH Test 3.0 - 10.0****Fast test to measure acidity of water**

- For approx. 80 measurements.
- Only 4 drops per test.
- For fresh water and salt water.
- Graduation: 0.5 pH increments.
- Colour scale with 14 colours from red to yellow and green to violet.

Art. no.

25342**25343**

Content For

80 tests

Reagent

UP

6

1

**JBL pH Test 6.0 - 7.6****Measures pH in acidity to slightly alkaline water**

- For approx. 80 measurements in freshwater (only 3 drops reagent/ test).
- Gradations in steps of 0.2 pH with glass cuvette.
- Laboratory compensation system compensates intrinsic water colouration. Colour scale with 9 colours from light green to blue.
- Includes syringe for simple measurement of the amount of water.

Art. no.

25346**25347**

Content For

80 tests

Reagent

UP

3

1

**JBL pH Test 7.4 - 9.0****Measures acidity in alkaline water**

- Gradations in steps of 0.2 pH with glass cuvette.
- Laboratory compensation system compensates intrinsic water colouration.
- Colour scale with 9 colours from orange to violet.
- Includes syringe for simple measurement of the amount of water.
- For fresh and saltwater.

Art. no.

25348**25349**

Content For

80 tests

Reagent

UP

3

1

**JBL GH Test****Total hardness test for freshwater**

- Recommended value for fresh water: 8 - 20° dGH
- 1 drop = 1° dGH.
- Colour transition from red to green.
- A higher GH in the aquarium compared to that of tap water suggests that water was topped up rather than renewed!

Art. no.

25350**25351**

Content For

80 tests

Reagent

UP

6

1

**JBL KH Test****Carbonate hardness test**

- Recommended level for fresh water: 4-8° dKH.
- 1 drop = 1° dKH.
- Colour change from blue to yellow.
- The number of used drops = level of carbonate hardness.
- For this reason this test does NOT require a color scale.
- The most important text in aquatics since the KH stabilizes the pH value.

Art. no.

25360**25361**

Content For

80 tests

Reagent

UP

6

1

**JBL Oxygen Test O₂****Oxygen test**

- Recommended oxygen content: 8 mg/at 25° C.
- Test providing accurate readings of oxygen levels from 1 - 10 mg/l in freshwater and marine tanks as well as garden ponds.
- Important when algae-removal preparations are used, as large amounts of oxygen are used when algae are eliminated.
- Recommended for use at night in densely planted aquariums, when large amounts of O₂ are absorbed.

Art. no.

25406**25407**

Content For

50 tests

Reagent

UP

3

1

**JBL CO₂/pH Permanent Test Set****Permanent direct measurement of CO₂ and pH**

- A special indicator instead of aquarium water permits direct measurement of the CO₂ level in mg/l.
- 20 - 25 mg/l CO₂ is ideal.
- Replace the indicator only every 3-4 weeks = lasts a total of 9-12 months.
- Indicates the pH value (6.4 - 7.8) in addition to the CO₂ level.

Art. no.

25392**25393**

Content For

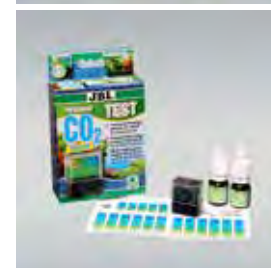
9-12 month

Reagent

UP

3

1



YouTube

NEW

**JBL CO₂ Direct Test Set**Quick test immediately determines the CO₂ content of the water

- CO₂ (carbon dioxide) is the main nutrient for the aquatic plants. Contains 2 reagents with colour comparison field.
- Easy test to perform, where the droplet number is counted until the colour stays stable.
- Determines the exact CO₂ content, even if the pH value is reduced by adding acid.

Art. no. Content For

25416**25417**

Nachfüll

UP

3

1

**JBL Copper Test Cu****Copper test**

- Recommended level for oodinium treatment: 0.3 mg/l Cu
- Accurate test for determining the copper content in freshwater and saltwater tanks. Range of values: < 0.1; 0.1; 0.2; 0.3; 0.45; 0.6; 0.8; 1.2; 1.6 mg/l.
- Can also be used to check tap water, which should not contain any copper.
- Helpful in administering medications and preparations containing copper, as the copper content should never exceed 0.3 mg/l, whilst insufficient doses will not result in a cure.

Art. no. Content For

25404**25405**

50 tests

Reagent

UP

3

1

**JBL Iron Test Fe****Iron (fertiliser) test**

- Recommended level: 0.05 - 0.2 mg/l iron in fresh water.
- For approx. 50 measurements. For fresh and salt water.
- Gradation of values: < 0.02; 0.05; 0.1; 0.2; 0.4; 0.6; 0.8; 1.0; 1.5 mg/l.
- Responds to all dissolved forms of iron.
- Colour scale with 9 colours from colourless to dark violet.
- Laboratory comparator system for compensating the intrinsic water colouration.
- Includes a syringe for simple measurement of the amount of water.

Art. no. Content For

25390**25391**

50 tests

Reagent

UP

3

1



YouTube

**JBL Silicate Test SiO₂****Silicate (silicic acid) Test**

- Identifies the cause of diatoms which grow when levels of silicic acid (silicates) increase.
- Range of values: < 0.1; 0.2; 0.4; 0.8; 1.2; 1.6; 2.0; 3; 0; > 6.0 mg/l.
- Treatment is possible with JBL Silikat Ex.
- Developed for freshwater and saltwater.

Art. no. Content For

25353**25354**

50 tests

Reagent

UP

3

1

**JBL Ammonium Test NH₄****Ammonium test**

- Recommended value: max. 0.25 mg/l NH₄.
- For approx. 50 measurements with glass cuvettes.
- For fresh water and salt water. Range of values: < 0.05; 0.1; 0.2; 0.4; 0.6; 1; 1.5; 3; 5 mg/l.
- Table for the resulting ammonia content is enclosed.
- Laboratory compensation system for compensating water discoloration.
- Includes a syringe for simple measurement of the amount of water.

Art. no. Content For

25365**25366**

50 tests

Reagent

UP

3

1

**JBL Nitrite Test NO₂****Recommended level: max. 0.1 mg/l nitrite in fresh water**

- For approx. 50 measurements with glass cuvettes.
- For fresh water and salt water. Range of values: < 0.01; 0.025; 0.05; 0.1; 0.2; 0.4; 0.6; 0.8; 1.0 mg/l. Colour scale with 9 colours from yellow to pink.
- Laboratory compensation system for compensating water discoloration.
- Includes a syringe for simple measurement of the amount of water.

Art. no. Content For

25370**25371**

50 tests

Reagent

UP

3

1

**JBL Nitrate Test NO₃****Recommended level: max. 50 mg/l in fresh water**

- For approx. 50 measurements with glass cuvettes.
- For fresh water and salt water with two different colour scales. Colour scale with 11 colours from yellow to orange-red.
- Range of values: < 0.5; 1; 10; 15; 30; 50; 120; 240; > 240 mg/l.
- Laboratory compensation system to compensate water discoloration.
- Includes syringe for simple measurement of the amount of water.

Art. no. Content For

25375**25376**

50 tests

Reagent

UP

3

1



Accessories > Water test > Test sets and refills



JBL Phosphate Test sensitive Phosphate test

- Recommended level: max. 1.0 mg/l in freshwater.
- Highly sensitive test (from 0.05 mg/l) for measurements with laboratory accuracy in fresh water and salt water.
- Determines the phosphate concentration in the water, which along with the nitrate concentration is responsible for undesirable algae growth.
- For approx. 50 measurements.
- Includes glass cuvettes, comparator system, syringe and a colour chart.

| Art. no. | Content For |
|--------------|-------------|
| 25408 | 50 tests |
| 25409 | Reagent |

| UP |
|----|
| 3 |
| 1 |



JBL K Potassium Test Set Test to identify the plant nutrient, potassium

- Potassium is an essential plant nutrient that is quickly exhausted. Lack of potassium leads to stagnating plant growth and perforated leaves.
- Measuring range: 2.0 to 15 mg/l.
- Recommended levels: 5 – 10 mg/l.
- For approx. 25 measurements.

| Art. no. | Content For |
|--------------|-------------|
| 25411 | 25 Tests |
| 25412 | Refill |

| UP |
|----|
| 3 |
| 1 |



JBL Mg Magnesium Test Set Freshwater test for the determination of the plant nutrient magnesium

- Indicates 0 to 10 as well as > 10 mg/l exactly (recommended value: 5-10 mg/l). Very accurate test with 3 reagents.
- The comparator system takes the existing intrinsic colour of the water into account.
- With 2 glass tubes, syringe for the accurate measurement of 5 ml, reagents and laminated colour cards.

| Art. no. | Content For |
|--------------|-------------|
| 25414 | 60 tests |
| 25415 | Refill |

| UP |
|----|
| 3 |
| 1 |



Accessories > Water test > Test case



JBL Test Combi Set plus Fe 5 different tests for the most important water values

- Suitable for all aquarium with plants.
- pH (3 - 10), KH, NO₂, NO₃ and Fe (iron for fertiliser check).
- Water-resistant plastic case.
- Laboratory compensation system compensates water discoloration.
- Includes syringe to measure amount of water.
- Contains tables for recording results and table for CO₂ value.

| Art. no. |
|--------------|
| 25500 |

| UP |
|----|
| 1 |



JBL Test Combi Set plus NH₄ Test case with five important tests, incl. NH₄ test

- Includes NH₃ test for all aquariums, especially with pH values over 7.
- pH (3-10), KH, NO₂ (nitrite), NO₃ (Nitrate) and NH₄/NH₃ (ammonium/ammoniac) and CO₂ table in a waterproof plastic case.
- Laboratory compensation system for compensating water discoloration.
- Including a syringe for easily measuring the amount of water. Contains tables for entering the results.

| Art. no. |
|--------------|
| 25510 |

| UP |
|----|
| 1 |



JBL Testlab Professional test kit for freshwater analysis

- Twelve different tests for comprehensive water analyses.
- pH 3.0 - 10, pH 6.0 - 7.6, pH 7.4 - 9.0, oxygen O₂, CO₂ tables, GH, KH, phosphate PO₄, ammonium/ammoniac NH₄/NH₃, nitrite NO₂, nitrate NO₃, iron Fe, Cu, silicate SiO₂.
- Waterproof plastic case containing 6 glass cuvettes, 2 syringes, dosage spoons, thermometer, ball-point pen and protocol paper.
- The compensation system takes self-colouration of water into consideration and makes the comparison of colors more precise.

| Art. no. |
|--------------|
| 25502 |

| UP |
|----|
| 1 |



JBL Testlab ProScape Professional test laboratory for the water analysis of planted aquariums

- 9 different tests for a comprehensive water analysis: pH 6.0-7.6; CO₂ direct; iron Fe; magnesium (Mg) freshwater, potassium (K), phosphate (PO₄), nitrate (NO₃), silicate (SiO₂) and KH.
- Waterproof plastic case with glass tubes, 2 syringes, dosage spoons, thermometer, ballpoint pen and result sheets.

| Art. no. |
|--------------|
| 25511 |

| UP |
|----|
| 1 |



Accessories > Water test > Test strips



JBL EasyTest 6in1

6-fold test strips for quick water testing

- 50 test strips.
- NEW: With a chlorine test (disinfectant in tap water).
- pH test from 6.4 to 9.0 (acidity of the water).
- KH test from 0 to 20 °dKH (pH stability of the water).
- GH test from <1 to > 21 °dGH (general hardness).
- Nitrite (NO₂) from 0 to 10 mg/l (poisonous nitrogen compound).
- Nitrate (NO₃) from 0 to 250 mg/l (cause of algae).

Art. no. Content For

25339 50 tests

UP

6



Accessories > Water test > ProScan



JBL ProScan

Multi water test with evaluation via smartphone app

- Contains 24 analysis strips (for the calculation of GH, KH, pH, nitrite, nitrate, chlorine and CO₂) with matching JBL ProScan ColorCard.
- The colour chart serves as a reference when scanning the analysis strip.
- The result is evaluated and, where necessary, instructions are displayed to show how to optimize the water values.
- The appropriate app is available free of charge.

Art. no.

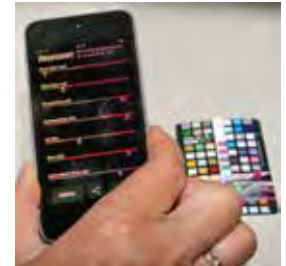
Content

UP

25420

24
Pieces

5



JBL ProScan Recharge

- 24 test strips for digital evaluation with the JBL ProScan app. These test strips are specially designed for the JBL ProScan app. They can only be evaluated with the colour reference chart in the JBL ProScan and the free JBL ProScan app.

Art. no.

Content

UP

25421

24
Pieces

6



PROSCAN

Photometric Analysis and Diagnosis of the Water Values with your Smartphone.

This is how it works:

Download the JBL PROSCAN-App*, free of charge, onto your smartphone (Apple iOS and Android). Start the app.

Using the especially calibrated JBL PROSCAN Color Card enclosed, please follow the instructions in

the app. You can choose between the following analysis modules: "Aquarium Freshwater", "Garden Pond" and "Water". When you select "Aquarium Freshwater" and "Water", the app calculates the current CO₂ content in the water. Depending on the analysis result of

„Aquarium Freshwater“ and „Garden Pond“, you will receive individualized recommendations about which JBL products will help you to set the ideal/optimal water values.



Download on the
App Store



ANDROID APP ON
Google play





JBL WishWash

Innovative aquarium cleaning cloth + sponge

- NEW: On one side of the packaging the version for aquariums is shown and on the other the version for terrariums.
- Removes algae and limescale (please use JBL Clean A/T !) from the inside of aquarium and terrarium glass (sponge).
- Cleans the outside of the glass panes thoroughly and easily (cloth).
- Soaks up removed dirt instead of merely spreading it in the water. Free of chemicals.

Art. no.

61526

UP

6



JBL Aqua-T Handy angle

Angled glass cleaner (15°) with stainless steel blade ,70 mm

- An angle of 15° and a long shaft enable effortless removal of tenacious coatings (algae) on glass.
- No destruction of the silicone bonding of the aquarium.
- Total length 30 cm, blade width of 7 cm.
- With a protective cap avoids injuries when not in use.
- Spare blades are available separately.

Art. no.

61522

Length

300 mm

Width

80 mm

UP

5



JBL Aqua-T Handy

Glass pane cleaner with 70 mm stainless steel blade

- Easily removes the most stubborn deposits (algae).
- Does not damage the silicone seal of the aquarium.
- Has a protective cap against injuries when not in use.
- Spare blades available separately.

Art. no.

61520

Length

80 mm

Width

135 mm

UP

5



JBL Blades for Aqua-T Handy

Spare blades for JBL Aqua-T Handy

- Also fits on other models with a similar blade holder.
- Package contents: 5 precision blades.
- Immediately available with a practical dispenser for new and old blades.

Art. no.

61523

Content

5 pcs.

UP

1



JBL Aqua-T Triumph

Glass pane cleaner with 140 mm stainless steel blade

- Effortless removal of stubborn deposits (algae).
- Does not damage the silicone seal of the aquarium.
- With a rubber scraper (= protective cap) to clean the outside surface of the aquarium glass.

Art. no.

61521

Width

140 mm

UP

1



JBL Blades for Aqua-T Triumph

Spare blades for JBL Aqua-T Triumph

- Also fits on other models with a similar blade holder.
- Contents: 5 precision blades in a safety box.

Art. no.

61524

Content

5 pcs.

UP

1



JBL Blanki

Non-scratching aquarium pane cleaner

- Removes algae and calcium deposits in minutes.
- Stainless steel, no blades.
- Highly suitable for children as no dangerous blades!
- Even most stubborn algae simply removed.

Art. no.

61360

UP

6



**JBL Blanki Set****Non-scratching aquarium pane cleaner with handle**

- With robust 45 cm long handle from aluminum.
- Flexible attachment of Blanki to handle.
- Same features as JBL Blanki.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61365 | 45 cm | 6 |

**JBL AquaEx Set 10-35****Gravel cleaner for nano aquariums (10 - 35 cm in height)**

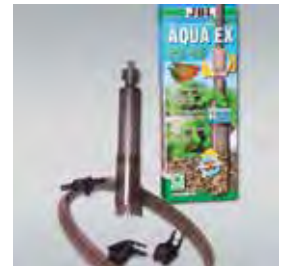
- Small but handy gravel cleaner for dirt suction cleaning in small aquariums.
- A removable suction net protects shrimps and small fish from being accidentally sucked in. The square profile also enables the cleaning of aquarium corners.
- Size: 3.5 cm (lower width) x 12.5 cm (height).
- Includes 1.5 m hose (9/12 mm).

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61418 | 35 mm | 125 mm | 3 |

**JBL AquaEX Set 20-45****Gravel cleaner for 20 - 45 cm water level**

- Cleaning claw for var suction strength.
- Round cross-section with "corners" makes it easier to clean the corners of aquariums and places which are difficult to reach.
- Internal diameter 40 mm.
- The suction valve makes suction by mouth unnecessary.
- Includes 2 m hose (12/16 mm) and 2 hose clips (JBL ClipSafe) as well as a stopcock.

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61409 | 40 mm | 330 mm | 3 |

**JBL AquaEx Set 45-70****Gravel cleaner for 45 - 70 cm water level**

- Cleaning claw for variable adjustment of suction strength.
- Round diameter with „corners“ for easier cleaning of corners of aquarium and places which are difficult to reach.
- Suction valve dispenses with initial priming by mouth.
- Internal diameter 40 mm.
- Includes 2 m hose (12/16 mm) und 2 hose clips (JBL ClipSafe) to safely fasten the hose when working in the aquarium or with a bucket.

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61410 | 40 mm | 530 mm | 3 |

**JBL Aqua In-Out****Self-priming and refills automatically – all-in-one set**

- A water jet creates suction which draws the water out of the tank.
- It even siphones with a water jet pump when the tank is situated below the level of the sink!
- Ready for connection to most water taps with the two enclosed 28 x 1/22 x 1 & G3/4 M24 adapters.
- Comes with a gravel cleaner and an 8 m hose.
- After siphoning the pump just needs to be switched to "fill".

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61430 | 12/16 mm | 8 m | 1 |

**JBL Aqua In-Out Extension****8 m extension hose**

- Extends your JBL Aqua In-Out Set by 8 m.
- Complete, including hose connection with thread for increased safety.

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61431 | 12/16 mm | 8 m | 1 |

**JBL water jet pump****For fast, simple water change**

- Simply screw on to water tap. Water jet creates suction which siphons off water from aquarium.
- Connects to hose siphoning water from aquarium via gravel cleaner.
- Can be changed in an instant from "siphon off" to "refill".
- Even siphons water from aquariums which are lower positioned than the washbasin.

| Art. no. | UP |
|--------------|----|
| 61433 | 1 |



**JBL ClipSafe****Multi-purpose hose clips**

- Prevent wet floors and flooding by securing hoses in place when working on the aquarium.
- Firmly hold the hose in place when changing water.
- Safely attach the hose to the bucket when siphoning off water.
- For 12 mm and 16 mm diameter hoses.
- 2 clips per pack.

Art. no.

For

UP

6109112-16
mm

6

**JBL Cleany****Double-ended hose brush**

- Steel helix fitted with a brush at either end to clean hoses of 9 mm or 30 mm inner diameter as applicable.
- 160 cm long to clean all hoses.
- Filter hoses cleaned by means JBL Cleany will prevent a performance loss from occurring across the filter.

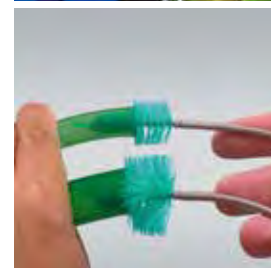
Art. no.

For

UP

613619-30
mm

6

**JBL Spongi****Aquarium cleaning sponge**

- NEW PACKAGING: FRONT - AQUARIUM, BACK - TERRARIUM
- Robust sponge for cleaning the aquarium or terrarium.
- Neutral material, adds no pollutants to the water.

Art. no.

Length

Width

UP

61380

115 mm

90 mm

4

**JBL Proscape Cleaning Glove****Cleaning glove for aquarium glass**

- Cleans aquarium glass easily.
- Reaches into all nooks and corners of the aquarium.
- Removes algae from leaves of plants and decorative material.
- Cleans technical equipment and pump parts.

Art. no.

UP

61379

6

**JBL Clean A****Glass cleaner**

- Cleans the outer side of all aquarium glass panes naturally.
- Non-hazardous for fish and plants.
- Dissolves stubborn lime-scale.
- With pump spray head.

Art. no.

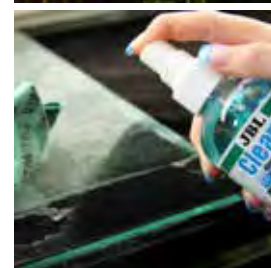
Content

UP

61385

250 ml

6

**JBL Desinfekt****Disinfectant**

- Very powerful bactericidal, fungicidal and virucidal effect. The disinfectant solution can be mixed easily in a bucket and used to disinfect aquariums, terrariums, decorative material and catching equipment. Remove the animals before using!

Art. no.

Content

UP

20091

50 g

6



Use biocides safely. Always read the labelling and product information before use.
Usar biocidas con cuidado.
Siempre leer la etiqueta e información sobre el producto prima del uso.

Preview JBL Expedition Venezuela 2016

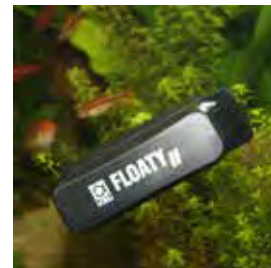


YouTube

**JBL Floaty II****Floating glass cleaning magnet**

- For convenient and effective glass cleaning without getting your hands wet.
- There is no need to "fish around" in the aquarium any more if the inner part detaches from the magnet on the outside, as it floats to the top.
- No more scratched panes any more, as the interior part never falls into the gravel, causing trapped gravel stones to scratch the pane! The protruding Floaty edge makes it easier to reach algae behind the technical equipment.

| Art. no. | For glass | Size | UP |
|--------------|-----------|------|----|
| 61376 | 6 mm | S | 4 |
| 61377 | 10 mm | M | 3 |
| 61378 | 15 mm | L | 2 |

**JBL Floaty S Acryl****Floating glass cleaning magnet specially for acrylic panes**

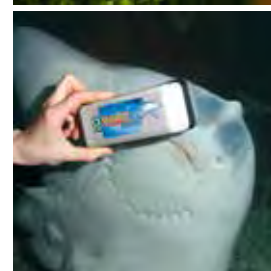
- Enables perfect cleaning of acrylic and glass panes.
- No need to "fish around" in the aquarium any more if the inner part detaches from the magnet on the outside of the glass.
- Extremely light material with a strong magnetic field.
- The inner part can swim.
- The original! European Patent No. 1139729 (also for plastic panes!)

| Art. no. | For glass | Size | UP |
|--------------|-----------|------|----|
| 61370 | 4 mm | mini | 4 |

**JBL Floaty Shark****Floating glass cleaning magnet specially for thick glass**

- Floats to the surface, so there is no need to "fish around" in the aquarium any more if the inner part detaches from the magnet on the outside.
- No more scratched panes as a result of trapped gravel.
- Designed for glass panes with a thickness of 20 - 30 mm.
- Size: 150 x 60 x 30 mm.

| Art. no. | For glass | Size | UP |
|--------------|-----------|------|----|
| 61374 | 20-30 mm | | 1 |

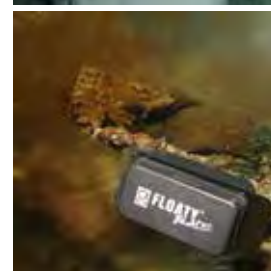


YouTube

**JBL Floaty Blade****Floating algae magnet for thick glass panes with a blade**

- Special features: Blade insert with a blunt blade with no risk of cutting (removes even the most stubborn of films).
- Available in two sizes: JBL Floaty Blade L for 15 mm glass and JBL Floaty XL Blade for 25 mm glass thickness.
- Replaceable blade insert.

| Art. no. | For glass | Size | UP |
|--------------|-----------|------|----|
| 61352 | 15 mm | L | 2 |
| 61350 | 25 mm | XL | 2 |

**JBL Blade 2x (Floaty L/XL)****Spare blades for JBL Floaty Blade, sizes L & XL**

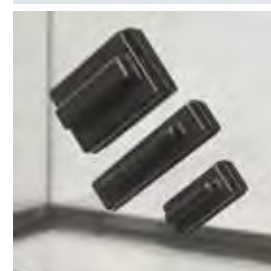
- Can be replaced in just seconds.
- Dull blades, which are nevertheless excellent at removing persistent films. The advantage: no risk of injury from cuts.
- Fit both L and XL sizes.

| Art. no. | Width | UP |
|--------------|-------|----|
| 61351 | 67 mm | 1 |

**JBL Algae Magnet****Magnetic glass cleaner to remove algae**

- Clean glass easily without getting your hands wet.
- Sturdy shaped grip for easier handling.
- Strong magnets for firm attachment and fast cleaning

| Art. no. | For glass | UP |
|--------------|-----------|-----|
| 61291 | 6 mm | S 4 |
| 61292 | 10 mm | M 3 |
| 61293 | 15 mm | L 2 |



Preview JBL Expedition Venezuela 2016





JBL PREMIUM Fish Net - coarse

Wide-mesh aquarium catch net with black net

- Black net makes catching fish demonstrably easier.
- With reinforced handle for daily use.
- Made of heavy duty nylon netting.
- Suitable for freshwater and saltwater.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 61033 | 31 cm | 8 cm | 6 |
| 61034 | 33 cm | 10 cm | 6 |
| 61035 | 35 cm | 13 cm | 6 |
| 61036 | 43 cm | 15 cm | 6 |
| 61037 | 45 cm | 20 cm | 6 |
| 61038 | 54 cm | 25 cm | 6 |



JBL PREMIUM Fish Net - fine

Narrow-mesh aquarium catch net with black net

- Black net makes catching fish demonstrably easier.
- With reinforced handle for daily use.
- Made of heavy duty nylon netting.
- Suitable for freshwater and saltwater.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 61041 | 31 cm | 8 cm | 6 |
| 61042 | 33 cm | 10 cm | 6 |
| 61043 | 35 cm | 13 cm | 6 |
| 61044 | 43 cm | 15 cm | 6 |
| 61045 | 45 cm | 20 cm | 6 |
| 61046 | 54 cm | 25 cm | 6 |



JBL PREMIUM Fishing Net extra long

Aquarium catch net with black net and extra long handle

- 40 cm long handle for better handling or higher aquariums.
- Black net makes catching fish demonstrably easier.
- With reinforced handle for daily use.
- Made of heavy duty nylon netting.
- Suitable for freshwater and saltwater.

| Art. no. | Width | Length | UP |
|--------------|-------|--------|----|
| 61047 | 41 cm | 15 cm | 6 |
| 61039 | 41 cm | 15 cm | 6 |

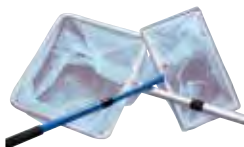


JBL Pond Fish Net, coarse

Robust pond fishing net in 2 sizes

- 30,5 x 20,5 cm coarse net with telescopic handle 90 cm.
- 35 x 30 cm coarse net with telescopic handle 190 cm.

| Art. no. | Length | Width | UP |
|--------------|--------|---------|----|
| 28705 | 90 cm | 30,5 cm | 1 |
| 28701 | 190 cm | 35 cm | 1 |



JBL Pond Fish Net, fine

Fine pond fishing net in 2 sizes

- 30,5 x 20,5 cm fine net with a telescopic handle 90 cm.
- 35 x 30 cm fine net with a telescopic handle 190 cm.

| Art. no. | Length | Width | UP |
|--------------|--------|---------|----|
| 28706 | 90 cm | 30,5 cm | 1 |
| 28702 | 190 cm | 35 cm | 1 |



JBL Kids Workshop Germany 2014





JBL Aquarium tubing GREY

supplied with a card for hanging up, transparent grey, flexible, free of heavy metals

- Very high, food-safe quality.
- Without soft PVC compounds.
- Air hose (6108600)
- Water hose (6108700)
- Water hose (6108800)
- Water hose (6108900)
- Water hose (6109000)

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61086 | 4/6 | 2,5 m | 1 |
| 61087 | 9/12 | 2,5 m | 1 |
| 61088 | 12/16 | 2,5 m | 1 |
| 61089 | 16/22 | 2,5 m | 1 |
| 61090 | 19/25 | 2,5 m | 1 |



JBL Aquariumhose grey spool

supplied on a coil, transparent grey, flexible, free of heavy metals

- Hoses printed with size, EAN and the "food-safe" symbol.
- Air hose (6112100)
- Water hose (6112100)
- Water hose (6112200)
- Water hose (6112300)

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|-----|
| 61120 | 4/6 | 200 m | 200 |
| 61121 | 9/12 | 70 m | 70 |
| 61122 | 12/16 | 50 m | 50 |
| 61123 | 16/22 | 25 m | 25 |



JBL Aquarium tubing green

supplied with a card for hanging up, green transparent, flexible, free of heavy metals

- Air hose (61081)
- Water hose (61082)
- Water hose (61083)
- Water hose (61084)

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 61081 | 4/6 | 2,5 m | 1 |
| 61082 | 9/12 | 2,5 m | 1 |
| 61083 | 12/16 | 2,5 m | 1 |
| 61084 | 16/22 | 2,5 m | 1 |



JBL Aquahose green on spool

supplied on a coil, transparent green, flexible, free of heavy metals

- Hoses printed with size, EAN and the "food-safe" symbol.
- Air hose (6111100)
- Water hose (6111200)
- Water hose (6111300)
- Water hose (6111400)

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|-----|
| 61111 | 4/6 | 200 m | 200 |
| 61112 | 9/12 | 70 m | 70 |
| 61113 | 12/16 | 50 m | 50 |
| 61114 | 16/22 | 25 m | 25 |



JBL Silicon tubing

On reel, transparent, 4/6 mm

- Extremely long life.
- 4/6 mm (internal/external) diameter.
- Not suited for CO₂.
- Silicone-like material.
- Contains no heavy metals.

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|-----|
| 61119 | 4/6 | 100 m | 100 |



JBL Silicon tubing

with card for hanging, 4/6 mm

- Extremely long life.
- 4/6 mm (internal/external) diameter.
- Not suited for CO₂.
- Silicone-like material.

| Art. no. | Length | Diameter | UP |
|--------------|--------|----------|----|
| 61085 | 2,5 m | 4/6 mm | 1 |



JBL T3 -CO₂ Hose

Special hose for CO₂-units.

- The diffusion behaviour of CO₂ is different from air.
- Therefore, air tubing is not suited for CO₂ systems.
- 3 m black, special CO₂ resistant tubing.
- Diameter: 4/6 mm.
- Suitable for all common CO₂ systems.

| Art. no. | Diameter | Length | UP |
|--------------|----------|--------|----|
| 63462 | 4/6 mm | 3 m | 3 |



Accessories > Tube/Fitting > Tube



JBL ProSilent Tube

2.5 m quality silicone hose

- High-end air hose of 4/6 mm.
- Extremely durable – does not harden.
- Semi-transparent silicone material.

Art. no.

64317

Diameter

4/6 mm

UP

6



Accessories > Tube/Fitting > Fittings



JBL Anti-Kink

Prevents hoses kinking

- Available to fit 2 hose diameters.
- Increased safety as kinking of hoses can cause hose connection to burst due to excess pressure.
- Greater efficiency as kinking leads at least to a reduction in flow rates.
- Pack contains 2 pieces.

Art. no.

63137

Diameter

16 mm

UP

6

63138

22 mm

6



JBL ProSilent Safe

Prevents backflow of water

- Protects items such as diaphragm pumps from backflow of aquarium water.
- For 4/6mm dia. air hoses.
- TÜV tested = safety guaranteed!

Art. no.

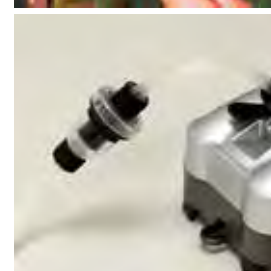
64318

For Ø

4/6 mm

UP

6



JBL ProSilent Control

Adjustable precision air shut-off valve

- 1 inlet, 2 air outlets with precise individual adjustment.
- Every hose connection is threaded and self-locking.
- Option of connecting this double valve with an additional double valve.
- Optional wall mount.
- The shut-off valves are not ideally suited for CO₂.

Art. no.

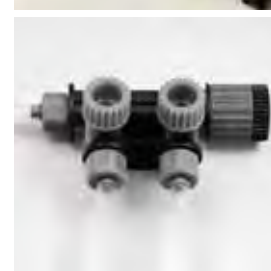
64316

For Ø

4/6 mm

UP

6



Accessories > Tube/Fitting > Succer holder



JBL Suction pad 12mm

Rubber suction pads with clips for objects of 12 mm

- Holds all round objects of approx. 12 mm diameter.
- High quality black rubber suction pads.
- Very sturdy plastic clips.
- Contains 2 suction pads with 2 clips..

Art. no.

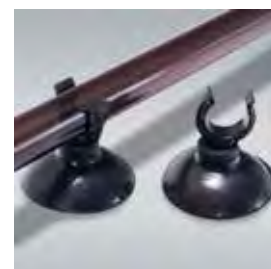
60855

For Ø

12 mm

UP

1



JBL 16 mm Clip suction pad

Rubber suction pad with clips for objects of 16 mm diameter

- 2 complete suction pads per pack.
- Black rubber suction pad with sturdy black clip.
- Clip and suction pad can be separated.

Art. no.

60856

For Ø

16 mm

UP

1



JBL Suction pad 23-28 mm

Rubber suction pad with clips for objects of 23 - 28 mm diameter

- 2 complete suction pads with clips per package.
- Suction pads made of black rubber with extremely robust black clips.
- Clip and suction pads can be separated.
- Suitable e.g. for many heating rods.

Art. no.

60408

For Ø

23-28 mm

UP

1





JBL Suction pad 37mm

Rubber suction pad with clamp for 37 - 45 mm, e.g. JBL Taifun Reactor

- Holds all round objects from 37 to 45 mm in diameter.
- Very robust, transparent plastic clips with black rubber suction pads.
- Each package contains 2 suction pads and 2 clips.
- Open on one end in order to be able to easily remove the fastened object.

Art. no.

63134

For Ø

37-45 mm

UP

1



JBL Suction Holder 5mm

rubber suction cups for objects with a diameter of 5 mm

- 2 complete suction cup units.
- Suction cups made of black rubber.
- Suitable for all objects with a diameter of approx. 5mm, such as the JBL Aquarium thermometer mini.

Art. no.

61217

UP

1



JBL 6 mm suction holder small

Rubber suction cups for objects of 6 - 7 mm diameter

- 2 complete suction pads per pack.
- Black rubber suction pad.
- For all objects with an approx. 6 mm diameter such as premium thermometers + air hoses

Art. no.

63135

For Ø

6-7 mm

UP

1



JBL Suction holder 12mm

Rubber suction pad for objects with a 11 to 12 mm diameter

- 2 complete suction pads per pack.
- Black rubber suction pad.
- Closed suction pads for pushing the object through.

Art. no.

63136

For Ø

11-12 mm

UP

1



JBL Slit Suction Pad

Suction pad for heating cables

- Makes floor-heating cables in aquarium and terrarium easy to lay. Prevents cables accidentally shifting, so that floor heating cables operate in trouble-free operation.
- For use with all cables and objects of 2 to 4 mm diameter.

Art. no.

60414

For Ø

2-4 mm

UP

1



JBL FixSet

Suction pad and spacer set

- Holds pipes and hoses securely in the desired position.
- Spacer clips are the solution for aquarium brace bars on the top edge!
- Set consists of:
 - 2 suction pads with clips (distance from centre pipe/glass 2 cm)
 - 2 suction pads with spacer clips (distance from centre pipe/glass 3.5 cm)

Art. no.

60153
60154
60236

For CPe

4/7/900/1

1500/1

1901

UP

1

1

1



Preview JBL Expedition Venezuela 2016



**JBL ProSilent Ceramic****Air stone made of ceramic**

- Ceramic material produces extra fine air bubbles.
- Long life.
- For fresh water and salt water.

| Art. no. | Size | Length | UP |
|--------------|--------|--------|----|
| 61480 | 55 mm | S | 6 |
| 61481 | 105 mm | M | 6 |
| 61482 | 155 mm | L | 6 |

**JBL Aeras Micro S2****Airstone set**

- Made of a quartz sand mixture with extra-fine pores for super-fine air bubbles (hence the name "Micro").
- Containing 2 ball-shaped air stones.
- Own weight of stone keeps it on ground without extra weighting.
- For fresh and salt water.

| Art. no. | Diameter | UP |
|--------------|----------|----|
| 61485 | 21 mm | 6 |

**JBL Aeras Micro S3****Airstone set**

- Made of a quartz sand mixture with extra-fine pores for super-fine air bubbles (hence the name "Micro").
- Consisting of 3 colored air stones.
- Cylindrical shape with large surface.
- 26 x 15 mm effective surface.
- For fresh and salt water.

| Art. no. | Diameter | Height | UP |
|--------------|----------|--------|----|
| 61486 | 14 mm | 25 mm | 6 |

**JBL Aeras Micro Green Airstone**

- Made of a quartz sand mixture with extra-fine pores for super-fine air bubbles (hence the name, "micro").
- Conical oblong air stones with the holes covering a very large surface.
- The green colour permits unobtrusive mounting.
- Size S: 10 cm long; Size M: 14 cm long.
- For fresh water and salt water.

| Art. no. | Length | Size | UP |
|--------------|--------|------|----|
| 61487 | 100 mm | S | 6 |
| 61488 | 140 mm | M | 6 |

**JBL Aeras Micro Plus Broad Airstone**

- Made of a quartz sand mixture with extra-fine pores for super-fine air bubbles (hence the name, "micro").
- For fresh water and salt water.
- The special base plate permits firm attachment to the bottom without covering the air stone with gravel.
- Size M: 14 cm long; Size L: 27 cm long.
- Also suitable for placing a number of air stones in a row!

| Art. no. | Length | Size | UP |
|--------------|--------|------|----|
| 61489 | 140 mm | M | 6 |
| 61490 | 270 mm | L | 6 |

**JBL Aeras Micro Ball L Ball shaped airstone**

- From extra-fine quartz sand mixture for particularly fine air bubbles (hence the name „Micro“) Ball air stone with 40mm diameter.
- Especially suitable as air stone for garden ponds (see JBL Pond Oxi-Set and JBL Floater + AntiKink).
- In the aquarium the weight of the air stone keeps it on ground without extra weighting.

| Art. no. | Diameter | UP |
|--------------|----------|----|
| 61491 | 40 mm | 6 |

**JBL Aeras Marin Wood airstone for saltwater**

- Constant air supply.
- Very fine air bubbles.
- Increases the efficiency of protein skimmers
- 2 sizes

| Art. no. | Length | Size | UP |
|--------------|--------|------|----|
| 61483 | 45 mm | S | 6 |
| 61484 | 65 mm | M | 6 |





JBL ActionAir Smiling Clowns

Ornament for aquariums with an air pump

- 3 clown fish on the coral ground together with an anemone.
- Non-toxic and abrasion-resistant paint.
- Hand-painted with very natural colouring.
- The fronts of the three fish move up and down with the bubble flow.
- 16 x 13 x 8 cm (L x W x H).

Art. no.

64300

UP

2



JBL ActionAir Pinnipeds

Ornament for aquariums with an air pump

- 3 seals in the waves
- Non-toxic and abrasion-resistant paint.
- Hand-painted with very natural colouring.
- The fronts of the three seals move up and down with the bubble flow.
- 21 x 9 x 8 cm (L x W x H).

Art. no.

64301

UP

2



JBL ActionAir Lucky Calamari

Ornament for aquariums with an air pump

- 3 squids on a rock base
- Non-toxic and abrasion-resistant paint.
- Hand-painted with natural colouring.
- The fronts of the three squids move up and down with the bubble flow.
- 17 x 18 x 7 cm (L x W x H).

Art. no.

64302

UP

2



JBL ActionAir Spanish Treasure

Ornament for aquariums with an air pump

- Treasure chest with treasure on an ocean floor base
- Non-toxic and abrasion-resistant paint.
- Hand-painted with natural colouring.
- The lid opens and closes with the bubble flow.
- 12 x 10 x 9 cm (L x W x H).

Art. no.

64303

UP

2



JBL ActionAir Treasure Hunter

Ornament for aquariums with air operation

- Helmet diver with a treasure chest and a skull.
- Non-toxic and abrasion-resistant paint.
- Hand-painted with natural colouring. The diver lifts the chest with the bubble flow.
- 14 x 7 x 10 cm (L x W x H).

Art. no.

64304

UP

2



JBL ActionAir Beautiful Shells

Ornament for aquariums with an air pump

- 2 individual giant clams with a pearl each. Non-toxic and abrasion-resistant paint.
- Hand-painted with natural colouring.
- The upper shells of both clams open with the bubble flow to reveal the pearl inside.
- 10 x 9 x 7 cm & 8 x 6 x 6 cm (L x W x H).

Art. no.

64306

UP

2



JBL ActionAir Magic Diver

Ornament for aquariums with an air pump

- Deep sea diver with an airplane engine on the ocean bed.
- Non-toxic and abrasion-resistant paint.
- Hand-painted with natural colouring.
- The propeller in the engine turns with the bubble flow.
- 13 x 12 x 12 cm (L x W x H).

Art. no.

64307

UP

2





JBL ActionAir Mystery Diver

Ornament for aquariums with an air pump

- Scuba diver with 2 treasure chests.
- Non-toxic and abrasion-resistant paint.
- Hand-painted with pretty colouring.
- The diver opens and closes the lid of one of the chests with the bubble flow.
- 15 x 11 x 13 cm (L x W x H).

Art. no.

64308

UP

2



JBL ActionAir Waving Panda

Ornament for aquariums with an air pump

- Panda bear on rocks
- Non-toxic and abrasion-resistant paint.
- The panda waves with one arm with the bubble flow.
- 11 x 11 x 14 cm (L x W x H).

Art. no.

64309

UP

2



JBL ActionAir Old Guy

Ornamental figure for aquariums with air pump

- Uncanny old guy with skull.
- Un-poisonous and abrasion-resistant color.
- Hand-painted with decorative coloring.
- The air movement moves the arms of the old guy.
- Dimensions: 12 x 17 x 10 cm (L x W x H)

Art. no.

64310

UP

2



JBL ActionAir Spinning Wheel

Ornament for aquariums with an air pump

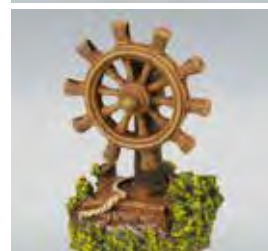
- Steering wheel of a wreck.
- The wheel turns with the bubble flow.
- Aquarium safe and abrasion-resistant paint.
- Hand-painted with pretty colouring.
- 8.5 x 10 x 13 cm (L x B x H).

Art. no.

64311

UP

2



JBL ActionAir Flint's Compass

Ornament for aquariums with an air pump

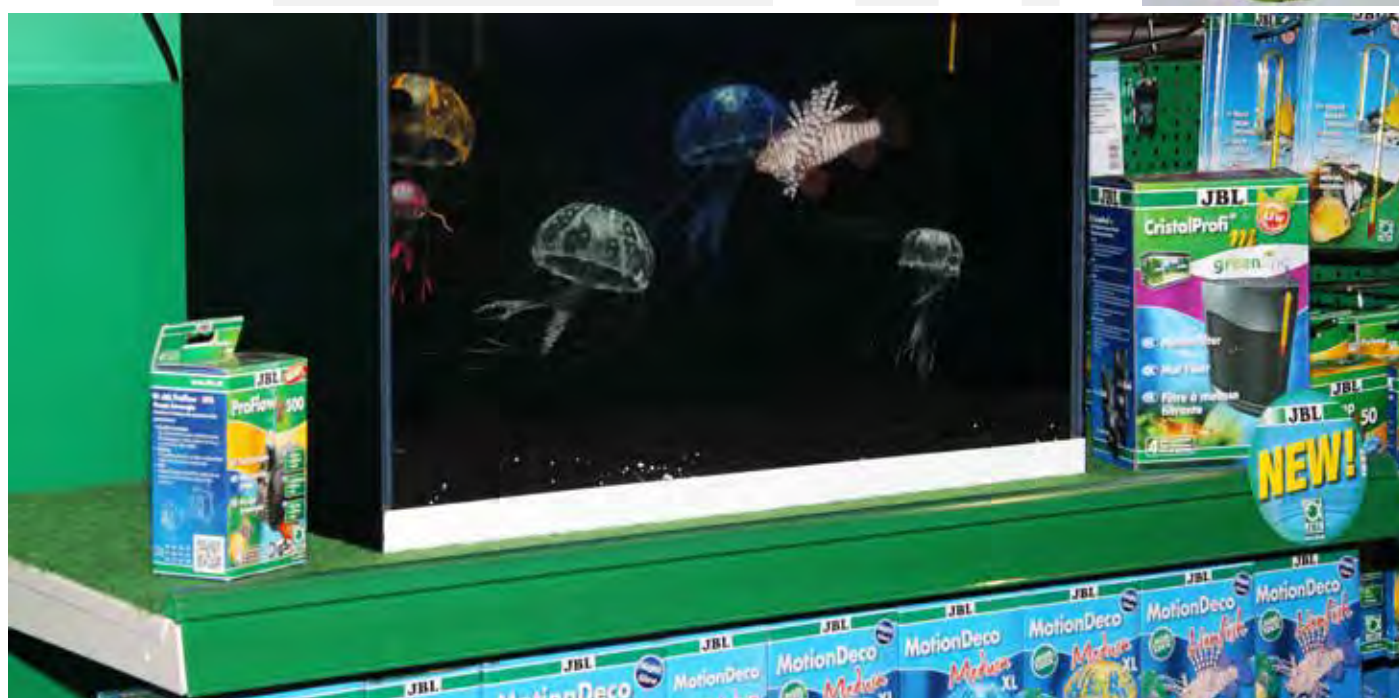
- Gyrocompass from a shipwreck.
- The lid opens and closes with the bubble flow.
- Aquarium safe and abrasion-resistant paint.
- Hand-painted with pretty colouring.
- 9 x 10 x 15 cm (opened compass lid) (L x B x H).

Art. no.

64312

UP

2





JBL MotionDeco Medusa XL WHITE

Moving, white jellyfish figure to decorate the aquarium

- Now also available in orange!
- Gelatinous jellyfish reproduction which moves with the water current.
- Aquarium safe and water-neutral silicone.
- 21 cm length x 10 cm diameter.
- Available in white, blue or orange.
- Jellyfish can be fastened to the ground or glass with the help of suction cups and a nylon strap (everything is included and ready to be installed).

Art. no.

60450

Colour

White

UP

2



JBL MotionDeco Medusa XL BLUE

Moving, blue jellyfish figures to decorate the aquarium.

- Gelatinous jellyfish reproduction which moves with the water current.
- Non-toxic and water-neutral silicone.
- 21 cm length with 10 cm diameter.
- Jellyfish are fastened to the base or the glass with suction cups and nylon straps (everything is included and ready to be installed).
- Phosphorescent glow in the dark effect.

Art. no.

60451

Colour

Blue

UP

2



JBL MotionDeco Medusa XL ORANGE

Moving, orange coloured jellyfish figure to decorate the aquarium

- Gelatinous jellyfish reproduction which moves with the water current.
- Non-toxic and water-neutral silicone.
- 21 cm long with 10 cm diameter.
- Jellyfish are fastened to the base or the glass with suction cups and nylon straps (everything is included and ready to be installed).
- Phosphorescent glow in the dark effect.

Art. no.

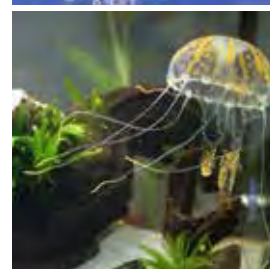
60454

Colour

Orange

UP

2



JBL MotionDeco Medusa Set BLUE

2 coloured jellyfish figure set to decorate the aquarium

- Gelatinous jellyfish reproduction which moves with the water current. Non-toxic and water-neutral silicone.
- Small blue jellyfish 10 x 4 cm, large jellyfish 11 x 6 cm. Jellyfish are fastened to the base or the glass with suction cups and nylon straps (everything is included and ready to be installed).
- Phosphorescent glow in the dark effect.

Art. no.

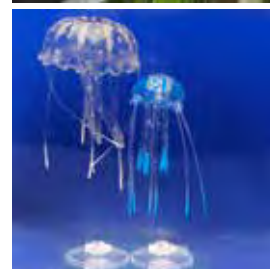
60452

Colour

Blue/
White

UP

2



JBL MotionDeco Medusa Set PINK

2 coloured jellyfish figure set to decorate the aquarium

- Gelatinous jellyfish reproduction which moves with the water current.
- Non-toxic and water-neutral silicone.
- Small pink-coloured jellyfish 10 x 4 cm, large jellyfish 11 x 6 cm. Jellyfish are fastened to the base or the glass with suction cups and nylon straps (everything is included and ready to be installed).
- Phosphorescent glow in the dark effect.

Art. no.

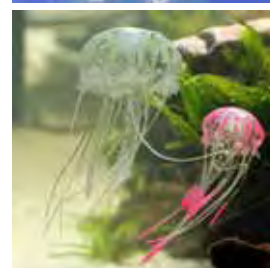
60453

Colour

Pink/
White

UP

2



JBL MotionDeco Lionfish

Moving broadbarred firefish as aquarium decoration.

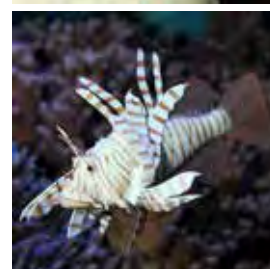
- Lifelike reproduction of the broadbarred firefish Pterois antennata.
- Dorsal and pectoral fins move in the water current.
- Aquarium safe and water-neutral silicone.
- Length 12 cm, height 9 cm.
- Suction cup with 40 cm long nylon strap to fasten the Lion fish.

Art. no.

60455

UP

2





JBL BabyHome Oxygen

Premium spawning box with air pump

- Extra large spawning box with integrated oxygen supply. The rising air bubbles ensure good water circulation in the box and therefore healthy fish.
- Container with division to separate spawning females.
- Suction cup holds the spawning box in position on the pane.
- 2 different spawning grids – removable for breeding.

Art. no.

64320

Performance
3 W

Size

UP

2



JBL BabyHome pro Air

A spawning box specially designed for an air stone

- With suction cups on the side for secure mounting.
- Specially designed for use with an air stone.
- 3 functions:
 - 1.) Single spawning box
 - 2.) Double spawning box
 - 3.) Breeding box
- The slits in the spawning grid are 2 mm wide, the lateral slits of the container have a width of 0.5 – 0.8 mm.

Art. no.

64315

Length

250 mm

Width

100 mm

UP

2



JBL ProSilent Safe

Prevents backflow of water

- Protects items such as diaphragm pumps from backflow of aquarium water.
- For 4/6mm dia. air hoses.
- TÜV tested = safety guaranteed!

Art. no.

64318

For Ø

4/6 mm

UP

6



JBL ProSilent Control

Adjustable precision air shut-off valve

- 1 inlet, 2 air outlets with precise individual adjustment.
- Every hose connection is threaded and self-locking.
- Option of connecting this double valve with an additional double valve.
- Optional wall mount.
- The shut-off valves are not ideally suited for CO₂.

Art. no.

64316

For Ø

4/6 mm

UP

6



JBL ProSilent Tube

2.5 m quality silicone hose

- High-end air hose of 4/6 mm.
- Extremely durable – does not harden.
- Semi-transparent silicone material.

Art. no.

64317

Diameter

4/6 mm

UP

6



YouTube



JBL ArtemioSet

Breeding set for Artemia nauplii

- Live food home-grown in 24 hours.
- Complete cultivation equipment with stand, air pump and 1.8 m air hose.
- Harvesting container and Artemia sieve (0.15 mm mesh) also included.
- The container has been skilfully designed to allow the air from the air pump to be fed to further breeding containers.
- Funnel shape ensures constant movement of all nauplii.

Art. no.

61060

UP

2



JBL Artemio 1

Extension for ArtemioSet

- Complete breeding container as in ArtemioSet, but without air pump and hose.
- Includes a stand which can be permanently connected to other Artemio stands.
- Optional wall-mounting.
- Likewise with a means for redirecting the air flow to additional breeding containers.

Art. no.

61061

UP

2



JBL Artemio 2

Harvesting container for Artemio

- Transparent harvesting container from sturdy plastic.
- Artemia sieve (JBL Artemio 3) and sieve set (JBL Artemio 4) exactly fit onto upper opening.
- Also suitable for other types of live food.

Art. no.

61062

UP

3



JBL Artemio 3

Artemia sieve

- Mesh size 0.15 mm.
- Catches Artemia nauplii and lets saltwater run through.
- Fits exactly on harvesting container (JBL Artemio 2).
- Also suitable for other types of live food.

Art. no.

61063

UP

3



JBL Artemio 4

Sieve combination for live food

- 4 top quality sieves to separate live food from transport water.
- Sieve sizes: 0.15 mm, 0.30 mm, 0.60 mm and 1.00 mm.
- Perfect for Artemia, mosquito larvae, Tubifex, Mysis, water fleas etc.
- All sieves, used in succession, separate live food, e.g. water fleas, into different sizes to feed different sizes of fish according to their needs.

Art. no.

61064

UP

3



Preview JBL Expedition Venezuela 2016



Accessories > Breeding > Breeding miscellaneous



JBL N-Box
Net spawning box
 • Large 2 litre volume for better growth of the young fish.
 • Optimum water flow.
 • Suitable for use as spawning box in combination with coarse filter floss.
 • L: 17 cm x W: 12.5 cm x H: 13.5 cm

Art. no.

61502

UP

6



JBL BabyHome Oxygen
Premium spawning box with air pump
 • Extra large spawning box with integrated oxygen supply. The rising air bubbles ensure good water circulation in the box and therefore healthy fish.
 • Container with division to separate spawning females.
 • Suction cup holds the spawning box in position on the pane.
 • 2 different spawning grids – removable for breeding.

Art. no.

64320

Performance
3 W

Size

UP

2



JBL DisCon
Spawning cone for discus
 • Unbreakable, made of neutral plastic.
 • Easy to clean and disinfect.
 • Preferred to other materials by discus.

Art. no.

61366

Diameter

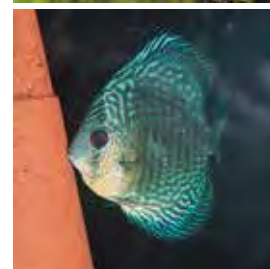
Height

UP

111 mm

255 mm

1



JBL Ceramic spawning cave
Spawning cave for the freshwater aquarium
 • Cave made from neutral fired clay.
 • Provides ideal privacy for egg-depositing cave breeder fish (long-whiskered cat fishes, purple cichlid etc.).
 • A popular hiding place outside the breeding period.

Art. no.

61501

Diameter

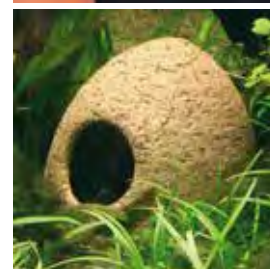
Height

UP

115 mm

125 mm

12



Accessories > small parts/snail trap



JBL LimCollect II
A chemical-free snail trap
 • NEW: 2 small rods can be inserted in 2 positions at the entrance as a variable height delimiter to prevent fish from entering unintentionally.
 • Place the trap in the aquarium overnight – wait – remove it full of snails.
 • Also ideally suited for catching shrimp or crabs intentionally!

Art. no.

61401

Length

Width

UP

117 mm

90 mm

6



JBL NovoStation
Feeding ring with level-adaptation for the aquarium
 • The ideal feeding place for all aquarium fish.
 • Targeted feeding, with no loose food floating around.
 • Always perfectly positioned, even when water levels in the aquarium vary.
 • All fish congregate at the feeding place and can easily be observed.
 • 9 x 9 cm.

Art. no.

61369

Size

UP

90x90 mm

6



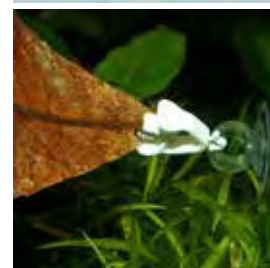
JBL Food Clip
Universal food clip with a suction holder
 • Ideal for food (algae leaves, salad, Catappa leaves).
 • With a flexible clip that can be rotated in all directions.
 • Merely attach to the panel and the fish and invertebrates will remain in full view while they are feeding.
 • Prevents food from floating into the decorations where the fish may no longer be able to reach it consequently polluting the water.
 • Conceptualized for fresh water and salt water as well as terrariums.

Art. no.

63163

UP

6



Accessories > Miscellaneous > Thermometer



JBL Aquarium thermometer

Precise glass thermometer including sucker holder.

- Indication of the optimum temperature range.
- Complete with an acid resistant and alkali resistant suction holder.
- Floats vertically without suction cup.

Art. no.
61405

UP
12



JBL AquaThermometer Premium

Slim precision thermometer, exact to 0.5° C

- 15 cm long glass capillary, German-made.
- All temperatures from 0 to 50° C.
- Including acid and alkali-resistant suction holder.

Art. no.
61407

UP
12



JBL Digital thermometer

Attaches to aquarium wall from the outside.

- Accurate measurement.
- Optimum temperature range indicated.

Art. no.
61406

UP
12



JBL Hang On Aquarium Thermometer

Precision thermometer for hanging

- Elegant, bent glass body enables hanging over the aquarium glass.
- Precision capillary made in Germany.
- Available in three variations: 11.5 cm length for glass strength of 6 mm, 16.5 cm length for a glass strength of 10 mm and 16.5 cm length for a glass strength of 15 mm.
- Temperature range: 0.0 to 40 °C.

Art. no. For glass
61211 6 mm
61212 10 mm
61213 15 mm

UP
6
6
6



JBL aquarium thermometer Mini

Elegantly designed mini thermometer

- Only 60 mm long with a diameter of 5 mm.
- Range: 0 - 50°C.
- Fine measuring scale with 0.2 °C graduation.
- Filled with blue, non-toxic alcohol (instead of mercury).
- Fits into the JBL CristalProfi m internal filter clamp.
- Suction cup included.

Art. no. Length Diameter
61216 60 mm 5 mm

UP
6



NEW

Accessories > Miscellaneous > Silicone & glue



JBL AquaSil black

Silicon for the aquarium and terrarium

- Special silicon black, with highly adhesive strength. For constructing and repairing aquariums.
- Fast hardening.
- Odourless, neutral, nontoxic when hard.
- TÜV type approved.

Art. no. Content
61390 80 ml
61393 310 ml

UP
6
1



JBL AquaSil transparent

Silicon for the aquarium and terrarium

- Special silicon transparent, with highly adhesive strength.
- For constructing and repairing aquariums.
- Fast hardening.
- Odourless, neutral, nontoxic when hard.
- TÜV type approved.

Art. no. Content
61391 80 ml
61394 310 ml

UP
6
1



Accessories > Miscellaneous > Silicone & glue



JBL HARU

Universal adhesive

- Bonds anything to anything (except PP and PE plastics).
- For optimal adhesion under water, does not require emptying of the tank. For leaky aquariums, fixing of decorative materials, securing stones from falling over, fastening of corals on stones, fastening of different materials to one another (e.g., wood on glass) etc.
- Black polymer-based adhesive and sealant (odour-free and non-toxic) which is permanently elastic and can even harden under water.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 61396 | 80 ml | 130 g | 6 |



Accessories > Miscellaneous

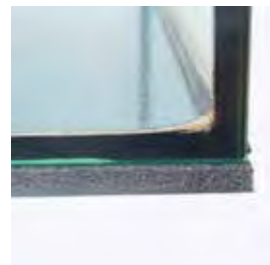


JBL AquaPad

Special underlay for the aquarium & terrarium

- Prevents tension in the glass and compensates unevenness in the bottom.
- Belongs under every aquarium or terrarium!

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 61100 | 60 cm | 30 cm | 6 |
| 61101 | 80 cm | 40 cm | 6 |
| 61102 | 100 cm | 40 cm | 6 |
| 61106 | 100 cm | 50 cm | 3 |
| 61103 | 120 cm | 40 cm | 3 |
| 61104 | 120 cm | 50 cm | 3 |
| 61105 | 150 cm | 50 cm | 3 |



Accessories > Miscellaneous

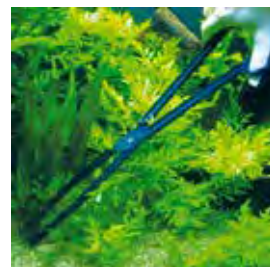


JBL CombiFix

Plant tongs

- 46 cm long tongs made of strong plastic.
- For all work in fresh- and saltwater aquariums.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61505 | 46 cm | 6 |



JBL AquaTerra Tool S

Pair of scissors

- Stainless steel.
- Approx. 28 cm long scissors for work in the aquarium or terrarium.
- Ideal for trimming plants and removing dead leaves.
- Rinse in freshwater after using in saltwater.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61506 | 28 cm | 1 |

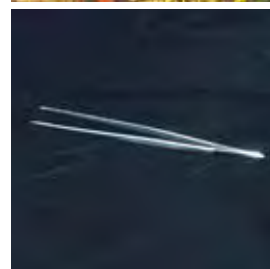


JBL AquaTerra Tool P1

Straight pincers

- Stainless steel.
- Approx. 30 cm long pincers for work in the aquarium or terrarium.
- Suitable for feeding animals.
- Rinse in freshwater after using in saltwater.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61507 | 30 cm | 1 |



JBL AquaTerra Tool P2

Angled pincers

- Rust-free stainless steel.
- Approx. 30 cm long pincers for doing work in aquariums and terrariums.
- Well suited for feeding animals.
- Rinse with fresh water after use in salt water.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61508 | 30 cm | 1 |



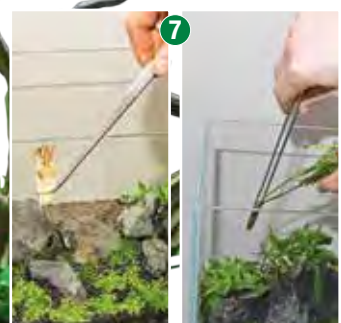
JBL ProScape Tools

Just the right tools for every ProScaper
for designing and maintaining scapes

The JBL ProScape tools meet the requirements of the professional aquascaping perfectly. They are produced from high-quality steel, made in Japan, (with an extremely smooth surface) for scissors with the best quality and the highest cutting precision. The pincers have crosswise fluted tips to hold the plants optimally without squeezing them. All instruments have an ideal weight for fatigue-free handling. Scaping an aquarium couldn't be more fun!

Aquascaping champions will explain what each JBL ProScape tool is needed for

- ① **JBL ProScape Tool SP:** It is practically impossible to shape the ground-covering material neatly without the two-sided JBL trowel.
- ② **JBL ProScape Tool S straight:** The straight scissors are required to remove the rock wool or even the gelatine from the in vitro plants. First you cut the roots at least 50% back and then you rake the rock wool out of the roots with the tips of the scissors.
- ③ **JBL ProScape Tool P Slim Line:** On long roots, e.g. from Cryptocorynes, the combing out of the rock wool works better with the slim line pincers than with the scissors. When inserting the plants we use the slender pincers to place the plants deep into the ground.
- ④ **JBL ProScape Tool S spring:** In addition to the cutting of moss the spring scissors are ideally suited to remove the plant leaves before insertion. Especially when many leaves have to be removed, the fatigue-free work with the JBL spring scissors is a real relief.
- ⑤ **JBL ProScape Tool S curved:** Those who want to cut leaves in a set up aquarium can't manage without angled scissors. Always cut the leaves as close as possible to the base of the plant!
- ⑥ **JBL ProScape Tool S wave:** Wave scissors are the best way to get a grip on lawn fields under water.
- ⑦ **JBL ProScape Tool P:** Long pincers are vital when inserting plants. For single plants many professionals prefer the straight version, whereas several plants together are often more easily inserted with the curved pincers.



Accessories > Miscellaneous

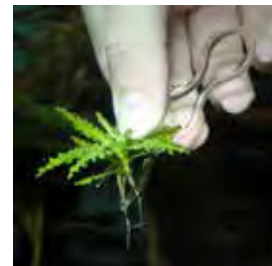


JBL ProScape Plantis

12 plant pegs to securely anchor plants in the gravel

- Unbreakable plastic.
- Anchors all plants to the substrate without damaging growth, until roots have taken firm hold.
- For fresh and saltwater..

| Art. no. | Content | UP |
|--------------|---------|----|
| 61368 | 12 pcs. | 6 |



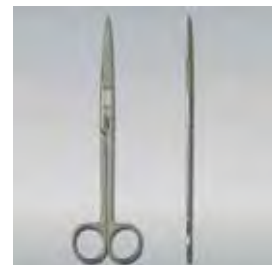
Accessories > Miscellaneous > Installation & maintenance of ProScape



JBL ProScape Tool S straight trimming scissors for aquascaping

- For the professional clipping of plants.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Extremely high cutting precision.
- Weight-optimized, only 60.5 g (S 20 = 20 cm long) and 92.5 g (S 30 = 30 cm long) lightweight for fatigue-free work.
- 27 mm sized finger holes also suitable for bigger fingers.

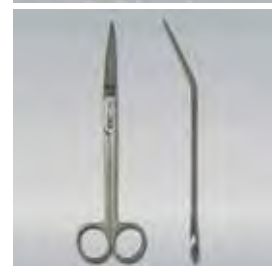
| Art. no. | Length | UP |
|--------------|--------|----|
| 61540 | 20 cm | 1 |
| 61541 | 30 cm | 1 |



JBL ProScape Tool S curved angled trimming scissors for plant maintenance

- For the professional and comfortable clipping of plants.
- The angle enables a clean working without contortions.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Extremely high cutting precision.
- Weight-optimized, only 62.5 g (S 20 = 20 cm long) and 91.0 g (S 30 = 30 cm long) lightweight for fatigue-free work.
- 27 mm sized finger holes also suitable for bigger fingers.

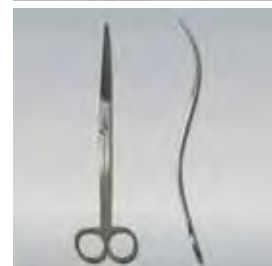
| Art. no. | Length | UP |
|--------------|--------|----|
| 61543 | 20 cm | 1 |
| 61544 | 30 cm | 1 |



JBL ProScape Tool S wave Wave shaped scissors for plant maintenance

- For the professional clipping of lawn forming plants and of plants, which are difficult to reach with normal scissors.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Extremely high cutting precision.
- Weight-optimized, only 51.8 g lightweight for fatigue-free work.
- 27 mm sized finger holes also suitable for bigger fingers.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61546 | 20 cm | 1 |



JBL ProScape Tool S spring curved spring scissors for mosses and lawn plants.

- Especially for the cutting of mosses and lawn plants.
- The spring ensures the pincers open automatically after cutting.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface). Extremely high cutting precision.
- Weight-optimized, only 19.5 g at a length of 16 cm for fatigue-free work, even in small aquariums.
- 27 mm sized finger holes also suitable for bigger fingers.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61547 | 16 cm | 1 |





JBL ProScape Tool P straight straight pincers for the decoration and insertion of plants

- For the professional insertion of aquatic plants.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Tips with cross corrugation to prevent damage of plants when reaching for them.
- Weight-optimized, only 78.3 g light for fatigue-free work.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61548 | 30 cm | 1 |



JBL ProScape Tool P slim line slender and straight pincers for the decoration and insertion of plants

- for the professional insertion of plants, such as special small lawn forming plants.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Tips with flat corrugation to prevent damage of plants when reaching for them. Extremely weight-optimized: only 44.8 g lightweight for fatigue-free work.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61549 | 30 cm | 1 |



JBL ProScape Tool P curved angled pincers for the aquarium decoration

- For the professional insertion of aquatic plants and for their decoration.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Tips with cross corrugation to prevent damage of plants when reaching for them.
- Weight-optimized, only 75.3 g light for fatigue-free work.
- Total length: 30 cm.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61550 | 30 cm | 1 |



JBL ProScape Tool SP straight Double trowel for aquarium design

- Helpful with the ground covering design and planting.
- For comfortable and professional work in the aquarium.
- Stainless, high-quality steel, made in Japan, (with extremely smooth surface).
- Weight-optimized, only 78.6 g lightweight for fatigue-free work. Total length 30 cm.
- 2 different trowel sizes: 62 mm / 25 mm.

| Art. no. | Length | UP |
|--------------|--------|----|
| 61551 | 30 cm | 1 |



FREE JBL ProScape Tool Bag!*

For the purchase of 3 JBL ProScape tools, you will receive a free JBL ProScape Tool bag.

To receive your free gift:

Simply take a photograph of at least 3 JBL ProScape tools in front of your aquarium (incl. receipt) and upload your picture with your registration at <http://toolbag.proscape.de/>. Your Picture will be published with that of other participants in our online gallery. You will then receive your free JBL ProScape Tool Bag delivered to your home address.

*This promotional offer is only

valid in the E.U and Switzerland. Valid until the 01.08.2015 (or until stocks last).

Full details about registration, terms and conditions can be found at:

<http://toolbag.proscape.de>

www.ProScape.de



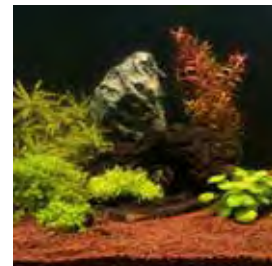


JBL Manado

Natural substrate which filters and enhances plant growth.

- Supports the filter with its large colonisation area for pollutant-absorbing bacteria.
- The dedicated structure supports the development of plant roots. Restricts the growth of algae by absorbing excess fertiliser from the water.
- The rounded shape is also gentle on the sensitive barbels of ground-dwelling fish.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 67021 | 1,5 l | 10 l | 10 |
| 67022 | 3 l | 25 l | 6 |
| 67023 | 5 l | 50 l | 3 |
| 67024 | 10 l | 100 l | 1 |
| 67025 | 25 l | 350 l | 1 |



JBL Expedition 2010 Sansibar/Tansania



JBL Sansibar BLACK

Black gravel for aquariums

- Very decorative gravel for aquariums and aqua terrariums.
- Grain size: 0.2 – 0.5 mm. Suited e.g. for cory catfish.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Not so well suited for undergravel heating cables.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67050 | 5 kg | 4 |
| 67051 | 10 kg | 2 |

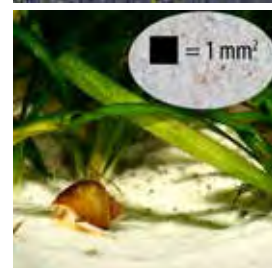


JBL Sansibar WHITE

White, fine gravel for aquariums

- Very decorative gravel for aquariums and aqua terrariums.
- Grain size: 0.1-0.4 mm.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Not so well suited for undergravel heating cables.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67055 | 5 kg | 4 |
| 67056 | 10 kg | 2 |



The JBL Substrates for Aquariums at a Glance

Following nature's example we have a variety of substrates to choose from, and the following factors need to be taken into account when selecting the right substrate for aquariums: For bottom-dwellers the aquarium ground shouldn't be sharp-edged. Those who want to lay an undergravel heating cable should take a substrate with a not too fine structure. Soils have special properties which make them recommendable for special scapes or for shrimps but they are less suited for "normal" community aquariums.

| | JBL ProScape PlantSoil | JBL ProScape PlantSoil | JBL ProScape ShrimpSoil | JBL ProScape ShrimpSoil | JBL ProScape VolcanoMineral |
|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-----------------------------|
| | | | | | |
| Type of material | double burned soil | double burned soil | double burned soil | double burned soil | volcanic lava rock |
| Colour | beige | brown | beige | brown | brown |
| Hardening | softening | softening | softening | softening | neutral |
| Fertiliser | with | with | without | without | without |
| Quantities | 3 l, 9 l | 3 l, 9 l | 3 l, 9 l | 3 l, 9 l | 3 l, 9 l |



JBL Sansibar RIVER

Light, fine gravel with black pebbles for aquariums

- Very decorative gravel for aquariums and aqua terrariums.
- Granulation: 0.4 – 1.4 mm. Very well suited e.g. for cory catfish.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Well suited for undergravel heating cables (e.g. JBL ProTemp Basis).

Art. no.

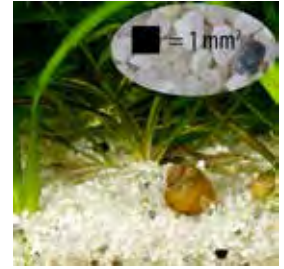
Content

UP

67058
67059

5 kg
10 kg

4
2



JBL Sansibar SNOW

Snow-white fine gravel for aquariums

- Very decorative substrate for aquariums and aqua terrariums.
- Natural ground material without artificial additives.
- Granulation: 0.1 - 0.6 mm. Suitable for armoured catfish.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Not suited for undergravel heating cables.

Art. no.

Content

UP

67060
67061

5 kg
10 kg

4
2



JBL Sansibar GREY

Grey, fine gravel for aquariums

- Very decorative substrate for aquariums and aqua terrariums.
- Natural ground material without artificial additives.
- Granulation: 0.2 - 0.6 mm. Suitable for armoured catfish.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Not suited for undergravel heating cables.

Art. no.

Content

UP

67062
67063

5 kg
10 kg

4
2



JBL Sansibar ORANGE

Orange, fine gravel for aquariums

- Very decorative substrate for aquariums and aqua terrariums.
- Natural ground material without artificial additives.
- Granulation: 0.1 - 0.6 mm. Suitable for armoured catfish.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Not suited for undergravel heating cables.

Art. no.

Content

UP

67064
67065

5 kg
10 kg

4
2



JBL Sansibar RED

Red, fine gravel for aquariums

- Very decorative substrate for aquariums and aqua terrariums.
- Natural ground material without artificial additives.
- Granulation: 0.2 - 0.6 mm. Suitable for armoured catfish.
- Ideal in combination with JBL AquaBasis plus for perfect plant growth.
- Not suited for undergravel heating cables.

Art. no.

Content

UP

67066
67067

5 kg
10 kg

4
2



| | JBL Manado | JBL Sansibar Black | JBL Sansibar White | JBL Sansibar River | JBL Sansibar Snow | JBL Sansibar Grey | JBL Sansibar Orange | JBL Sansibar Red |
|------------------|-----------------------------|--------------------|--------------------|--------------------|-------------------|-------------------|---------------------|------------------|
| Type of material | fired clay | granite | quartz | quartz | quartz | granite | quartzite | gneiss |
| Colour | brown | black | white | white-gray | snow withe | gray | orange | red |
| Hardening | slightly hardening | neutral | neutral | neutral | neutral | neutral | neutral | neutral |
| Fertiliser | without | without | without | without | without | without | without | without |
| Quantities | 1,5 l, 3 l, 5 l, 10 l, 25 l | 5 kg, 10 kg | 5 kg, 10 kg | 5 kg, 10 kg | 5 kg, 10 kg | 5 kg, 10 kg | 5 kg, 10 kg | 5 kg, 10 kg |



JBL ProScape PlantSoil BEIGE

Beige substrate (soil) with nutrients for plant aquariums

- Creates optimal water values (slightly acidic & low KH value) for aquatic plants.
- With its softening effect the substrate is ideal for the care and cultivation of most aquatic plants.
- The granulation of the soil ensures an optimal supply and circulation of oxygen inside the ground.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67073 | 3 l | 5 |
| 67074 | 9 l | 2 |



JBL ProScape PlantSoil BROWN

Brown substrate (soil) with nutrients for plant aquariums

- Creates optimal water values (slightly acidic & low KH value) for aquatic plants.
- With its softening effect the substrate is ideal for the care and cultivation of most aquatic plants.
- The granulation of the soil ensures an optimal supply and circulation of oxygen inside the ground.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67080 | 3 l | 5 |
| 67081 | 9 l | 2 |



JBL ProScape ShrimpsSoil BEIGE

Substrate (beige) for shrimp aquariums

- Creates optimal water values for shrimp aquariums. JBL ProScape Shrimps Soil creates a slightly acidic pH value and a low KH value in the aquarium.
- With its softening effect the substrate is ideal for the keeping of shrimps.
- The granulation of the soil ensures an optimal supply and circulation of oxygen inside the ground.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67075 | 3 l | 5 |
| 67076 | 9 l | 2 |



JBL ProScape ShrimpsSoil BROWN

Substrate (brown) for shrimp aquariums

- Creates optimal water values for shrimp aquariums.
- JBL ProScape Shrimps Soil creates a slightly acidic pH value and a low KH value in the aquarium.
- With its softening effect the substrate is ideal for the keeping of shrimps.
- The granulation of the soil ensures an optimal supply and circulation of oxygen inside the ground.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67084 | 3 l | 5 |
| 67085 | 9 l | 2 |

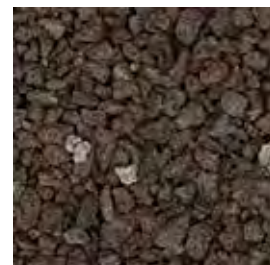


JBL ProScape Volcano Mineral

Highly porous volcanic rock

- Ideally suited as the basis for every natural aquarium.
- The porous volcanic rock ensures the water circulation at the bottom.
- Promotes the settlement of microorganisms. With its open-pored structure JBL ProScape Volcano ensures an optimal oxygen supply to the bottom.
- Rich in valuable minerals and trace elements.

| Art. no. | Content | UP |
|--------------|---------|----|
| 67077 | 3 l | 6 |
| 67078 | 9 l | 2 |



Timucin Sagel/Charm Of The Light

Decoration > Miscellaneous > Aquarium background glue



JBL FIXOL

Aquarium background picture adhesive

- NEW PACKAGING: FRONT - AQUARIUM, BACK - TERRARIUM
- Bubble-free adhesion of the background picture up to a size of 200 x 80 cm applied externally to the aquarium or terrarium.
- Scenes only become really effective with Fixol.
- Adhesive can be removed without trace at any time.
- Includes spatula for simple application.
- Not suitable for paper or 3-D background foils.

| Art. no. | Content | For | UP |
|--------------|---------|-----------|----|
| 61210 | 50 ml | 2,0x0,8 m | 6 |



Decoration > Miscellaneous > Cocos Cava

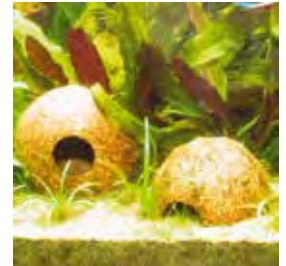


JBL Cocos Cava

Coconut shell caves

- Ideal spawning and hiding place for fish.
- Terrarium animals readily adopt these natural caves as places to sleep or hide.
- Natural material without toxins.

| Art. no. | Size | UP |
|--------------|-------|----|
| 61510 | 1/2 L | 6 |
| 61511 | 1/2 M | 6 |
| 61512 | 3/4 L | 3 |
| 61514 | 1/1 M | 3 |
| 61513 | 1/1 L | 3 |



Decoration > Miscellaneous > Roots



JBL Mopani Roots

Attractively shaped root wood for decoration

- Weighty, will not usually float.
- Roots are gathered, therefore no destruction of the environment.
- Soak roots in water for a few days to avoid brown discoloration.

| Art. no. | Size | Size | UP |
|--------------|------|----------|----|
| 67011 | S | 10-27 cm | 6 |
| 67012 | M | 20-35 cm | 30 |
| 67013 | L | 30-40 cm | 1 |



JBL Mangrove Roots

Mangrove wood roots

- Provides armored catfish with vital fibers.
- The root can be weighted down to prevent floating.
- Soak in water for a few days before using to prevent brown discoloration.

| Art. no. | Size | Size | UP |
|--------------|------|----------|----|
| 67031 | S | 10-20 cm | 12 |
| 67032 | M | 25-35 cm | 3 |



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Food > For all species > Flakes & granules

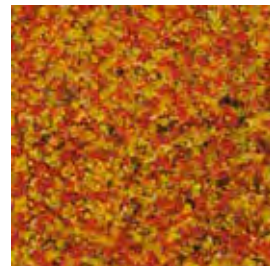


JBL Nano-Bel

Main food flakes for small fish in nano aquariums

- Wholesome food for "mini fish species" in mini-flake form. 7 different types of flakes guarantee variety and meet the nutritional needs of the species.
- More than 50 processed raw ingredients (incl. vitamin C) guarantee healthy fish with superb colouring.
- Precisely balanced phosphate content for healthy fish growth and reduced algae growth.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 23171 | 60 ml | 16 g | 6 |

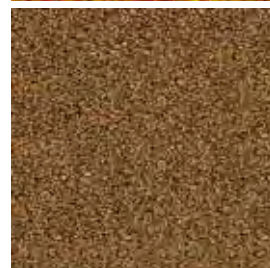


JBL Nano-Mix

Main food granulate for small fish in nano aquariums

- Wholesome food for "mini fish species" in mini granulate form.
- Over 50 raw materials in 4 different granulates provides all fish an optimal staple food.
- High-temperature, short-time (HTST) treatment ensures optimal digestion of the food and consequently reduces water pollution.
- Balanced protein-fat ratio.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 23174 | 60 ml | 32 g | 6 |



Food > For all species > Food Tablets



JBL Nano-Tabs

Food tablet treats for shrimps and dwarf crayfish

- The tablets cannot be carried away by the shrimps and crayfish, so allowing the observer to enjoy the "feeding time show".
- Professionally balanced ingredients meet the specific needs of the species and ensure problem-free shedding of the shell and healthy (not too rapid) growth.
- THE ultimate in feeding fun.
- Adds variety to the diet.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 23177 | 60 ml | 36 g | 6 |



JBL Nano-Crabs

Main food chips for dwarf crayfish in nano aquariums

- Hard mini-wafers for crustaceans with pincers.
- Mainly vegetable ingredients ensure problem-free shedding of the shell.
- Stable in water for up to 24 hours, i.e. do not immediately disintegrate in water.
- With high cellulose content, needed to build up chitin shell.
- Also suitable for saltwater crayfish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 23180 | 60 ml | 32 g | 6 |



JBL Nano-Prawn

Main food granules for shrimps in nano aquariums

- Professional nutrition for shrimps, with 5% spirulina algae for healthy growth.
- Food pearls keep their shape in water for 24 hours without disintegrating, therefore do not pollute the water.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 23183 | 60 ml | 35 g | 6 |



Food > For all species > Special



JBL Nano-Betta

Main food flakes for fighting fish in nano aquariums

- Specially formulated to meet the specific feeding needs of fighting fish.
- 6% krill increases the readiness to spawn and enhances colouration.
- 13 different ingredients ensure a varied diet.
- Plant proteins and lecithin promote brilliant colouring and perfect fin growth.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 23173 | 60 ml | 15 g | 6 |



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JBL Nano-Biotopol

Water conditioner for nano aquariums

- Fast-acting conditioner converts tap water to healthy aquarium water for mini fish species, shrimps and crayfish.
- Reliably absorbs copper, toxic for crustaceans.
- Noticeably protects the mucous membranes, gills, skin and fins of fish. With tropical almond leaf extract for natural water conditions.
- Immediately neutralises toxic heavy metals and chlorine.
- For every water change and new tanks.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 23101 | 15 ml | 180 l | 6 |



JBL Nano-Biotopol Beta

Water conditioner for fighting fish

- Fast-acting conditioner converts mains water to healthy aquarium water for fighting fish (Betta species).
- Tangible protection for mucous membranes, gills, skin and fins. With tropical almond leaf extract for natural water conditions. For each water change and for new aquariums.
- Immediately neutralises toxic heavy metals and chlorine. Specially formulated for freshwater.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 23187 | 15 ml | 180 l | 6 |



JBL Nano-Catappa

Heeling Indian almond leaves in the Nano format

- Astringent effect.
- Can be used as a food supplement for shrimps and snails.
- Simply lay the leaves in the aquarium. The effect of the ingredients begins with no further action required and lasts 1 – 3 weeks.
- Harvested directly from the tree, cleaned and sun-dried.

| Art. no. | Content | Range | UP |
|--------------|-----------|-------|----|
| 25199 | 10 Pieces | 300 l | 12 |

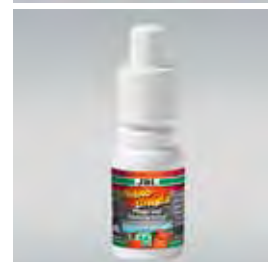


JBL Nano-Crusta

Care and shell-moulting product for shrimps and dwarf crayfish

- Essential clay mineral, montmorillonite, creates perfect water conditions for crustaceans.
- Supports problem-free and healthy moulting.
- Promotes the development of brilliant colouring in shrimps.
- Naturally cleans and clarifies aquarium water without chemicals.
- Specially formulated for freshwater.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 23107 | 15 ml | 700 l | 6 |

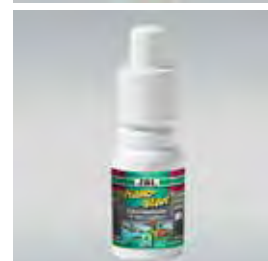


JBL Nano-Start

Bacterial starter for nano aquariums

- Makes the aquarium and the filter immediately (24 hours) biologically active.
- With 5 different nitrifying bacteria strains for healthy, pollutant-free water.
- Sufficient for 1 nano aquarium up to 40 l.
- Always use a water conditioner before adding bacterial starters. Bacterial starter for nano aquariums.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 23110 | 15 ml | 40 l | 6 |



JBL Nano-Floaty

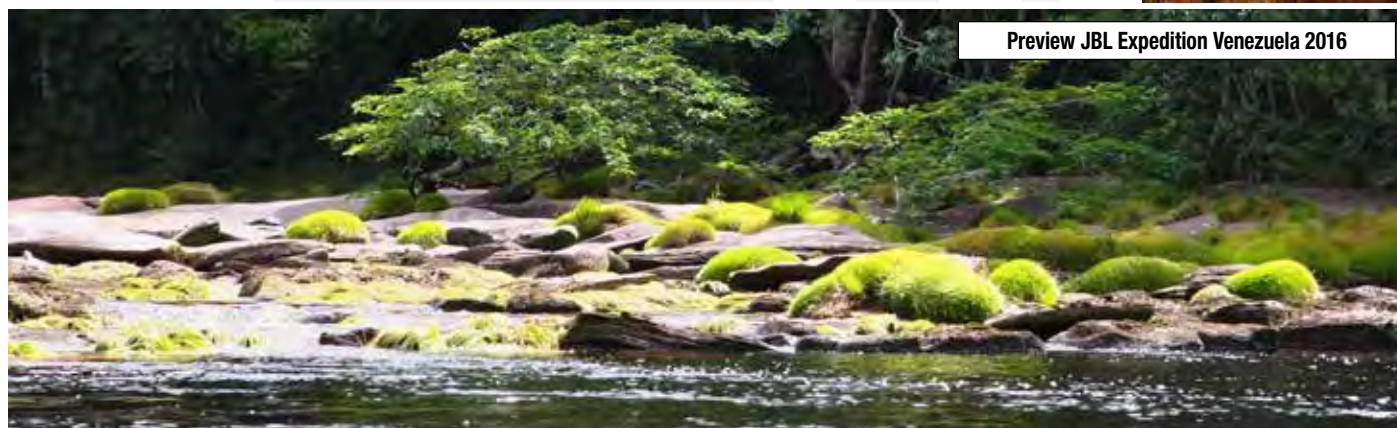
Floating algae magnet for nano aquariums

- Cleans aquarium panes easily and thoroughly.
- If the inner part accidentally detaches, it will not fall into the gravel, but floats to the surface where it can be simply "caught" using the external magnet.
- Also suitable for plastic panes (acrylic).
- Optically unobtrusive thanks to small size.

| Art. no. | For glass | UP |
|--------------|-----------|----|
| 61419 | 4 mm | 4 |



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JBL Maris

Premium class flake food for marine fish

- 100 % natural ingredients.
- 30 % protein-rich krill flakes.
- Spirulina algae for fastidious herbivorous fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 31020 | 250 ml | 40 g | 6 |



JBL MariPearls CLICK

Premium granules for marine fish with the Click dispenser

- Food can with practical click dosage.
- Slowly sinking granular pearls.
- Low-temperature production process is easy on the marine ingredients.
- 10 % sea algae create a high level of acceptance among demanding marine fish. A low phosphate value leads to less water pollution and less undesired growth of filamentous algae.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40661 | 250 ml | 140 g | 6 |



JBL MariPearls

Premium class food pearls for marine fish

- Slowly sinking granular pellets. Low-temperature production process is easy on the marine ingredients. 10 % seaweed ensures maximum acceptance by fastidious marine fish. Low phosphate level reduces both water pollution and the growth of undesirable thread algae.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40591 | 1000 ml | 520 g | 3 |



JBL Krill

Premium class krill flakes

- The main diet of the blue whale, krill, is the concentrated feed of the oceans. Rich in proteins, unsaturated fats and carotene.
- A special ultra-fine grinding process eliminates any danger of gastro-intestinal injury to freshwater fish from the sharp spines of these deep-sea shrimps.
- Perfect for freshwater fish and marine fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40581 | 100 ml | 16 g | 6 |
| 40582 | 250 ml | 40 g | 6 |



JBL Spirulina

Special flakes for algae grazers in freshwater and saltwater

- Premium Spirulina flakes with 40 % protein-rich spirulina algae (Spirulina platensis).
- Spirulina platensis has a protein content of over 65 %!
- Special features: Ensures perfect acceptance with finely ground whole shrimp (6 %)!.
- Garlic (1 %) promotes the health of the fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 30004 | 100 ml | 16 g | 6 |
| 30001 | 250 ml | 40 g | 6 |
| 30002 | 1000 ml | 160 g | 3 |
| 30003 | 5500 ml | 950 g | 1 |



JBL Tabis

Premium class food tablets with exclusive ingredients

- Food tablets adhere to the aquarium glass.
- Contain 10% high-protein deep-sea krill.
- With 6% healthy spirulina algae.
- Free of water-polluting binding agents.
- Equally suitable for plecos and free-swimming fish.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 40600 | 100 ml | 58 g | 6 |
| 40620 | 250 ml | 160 g | 6 |



JBL Korall Fluid

Plankton in liquid form for invertebrates and fish fry

- Phyto- and zooplankton in suspension.
- Essential amino acids ensure healthy growth.
- Multivitamin complexes promote resistance against diseases and enhanced colouring.

| Art. no. | Content | UP |
|--------------|---------|----|
| 31000 | 100 ml | 6 |
| 31003 | 500 ml | 3 |





JBL CalciuMarin

Calcium, strontium and carbonate hardness supplement

- Supplies biologically-accessible calcium, strontium and hydrogencarbonate in balanced proportions.
- Contains 2 components, which react after application to calciumhydrogencarbonate, sodiumchloride and strontium complexes.
- Contains no unwanted ions which normally enrich through regular application in water.

| Art. no. | Content | UP |
|--------------|---------|----|
| 24910 | 500 g | 3 |



JBL MagnesiuMarin

Magnesium supplement for marine aquariums

- Indispensable for the care of corals and calcareous red algae.
- Content can be monitored with the JBL Test Set Ca/Mg.
- 50 ml increase the Mg level in 50 l by 50 mg/l.

| Art. no. | Content | UP |
|--------------|---------|----|
| 24911 | 500 ml | 1 |
| 24912 | 5000 ml | 1 |

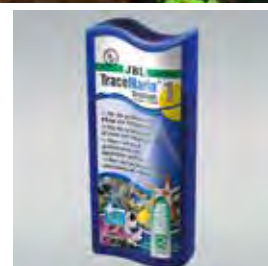


JBL TraceMarin 1

Strontium supplement for marine aquariums

- With barium and cobalt.
- For the professional care of reef aquariums.
- Optimum effectiveness when used in combination with JBL TraceMarin 2 and 3.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 24914 | 500 ml | 7000 l | 1 |
| 24934 | 5000 ml | 70000 l | 1 |

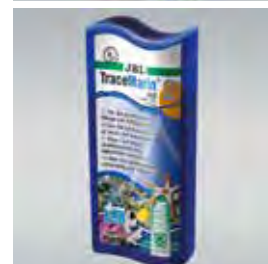


JBL TraceMarin 2

Iodine supplement for marine aquariums

- With fluoride, boron and chromium.
- For the professional care of reef aquariums.
- Optimum effectiveness when used in combination with JBL TraceMarin 1 and 3.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 24915 | 500 ml | 7000 l | 1 |
| 24935 | 5000 ml | 70000 l | 1 |

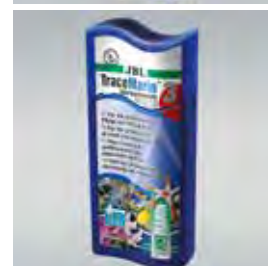


JBL TraceMarin 3

Trace element supplement for marine aquariums

- 16 trace elements: manganese, zinc, iron, nickel, molybdenum, vanadium, rubidium etc.
- For the professional care of reef aquariums.
- Optimum effectiveness when used in combination with JBL TraceMarin 1 and 2.

| Art. no. | Content | Range | UP |
|--------------|---------|---------|----|
| 24916 | 500 ml | 7000 l | 1 |
| 24936 | 5000 ml | 70000 l | 1 |





JBL ProFlora pH Control

High-End CO₂/pH computer with 15 functions

- Controls CO₂ supply (integral solenoid valve) keeping levels constant for perfect plant growth.
- Automatically calculates optimum pH level for specific KH.
- Indicates: Water temp., alarm for pH and temp., time to new calibration, electrode status, measuring accuracy, key lock.
- Without pH electrode, which should always be purchased brandnew.
- 110-240V - 50-60Hz

Art. no.

63418

UP

1



JBL ProFlora pH-probe

Sturdy, laboratory-quality gel electrode.

- Fits most pH measurement and control devices.
- Required for JBL pH-Control (not included with the product).
- With BNC plug to fit many systems.
- Approx. 1 year service life.

Art. no.

63414

UP

1



JBL TopClean II

2nd generation of the surface skimmer for aquariums

- Optimized floating body (more buoyancy, stronger comb, new interior form) and removable adjustment spindle. Effective prevention of scum formation (white layer on water surface). Ensures a clean water surface automatically and a higher concentration of oxygen in freshwater and seawater as a result. Only needs to be connected to the suction hose of the external filter.

Art. no.

60196

For

60-600 l

UP

2



JBL ProFlow u1100

Universal pump for pumping water at 1200 l/h

- Applicable inside and outside of aquariums and terrariums.
- Stainless steel pin for fresh and salt water.
- High performance with only 12 W energy consumption.
- Maximal pumping head: 1.30 m.
- Hose connection inlet: 19/25, outlet 16/22.
- Four reliable suction holders for fastening.
- Dimensions: (L x W x H) 79.1 x 45.5 x 82.5 mm.

Art. no.

60584Performance
1200 l/hWatt
12 W

UP

1



JBL ProFlow u2000

Universal pump for pumping water at 2000 l/h

- Applicable inside and outside of aquariums and terrariums.
- Stainless steel pin for fresh and salt water.
- High performance with only 35 W energy consumption.
- Maximal pumping head: 2.00 m.
- Hose connection inlet: 27/35, outlet 19/25.
- Four reliable suction holders for fastening.
- Dimensions: (L x W x H) 107 x 54 x 96 mm.

Art. no.

60585Performance
2000 l/hWatt
35 W

UP

1



JBL ProSilent Ceramic

Air stone made of ceramic

- Ceramic material produces extra fine air bubbles.
- Long life.
- For fresh water and salt water.

Art. no.

61480**61481****61482**

Size

55 mm

105 mm

155 mm

Length

S

M

L

UP

6

6

6



JBL Aeras Marin

Wood airstone for saltwater

- Constant air supply.
- Very fine air bubbles.
- Increases the efficiency of protein skimmers
- 2 sizes

Art. no.

61483**61484**

Length

45 mm

65 mm

Size

S

M

UP

6

6



NEW



JBL Calcium Test Set Ca

(Recommended level in saltwater: 400-440 mg/l calcium)

- Recommended value in saltwater aquariums: about 400-440 mg/l. Professional test to precisely determine the calcium level in all salt water aquariums.
- Insufficient levels of calcium affect the growth of corals. The test shows the calcium value in graduations of 20 mg.

Art. no.

25400
25401

Reagent

UP

3
1

JBL Magnesium/Calcium Test

(Recommended level in marine aquariums:
Approx.: 400 - 440 mg/l, Mg: 1200 - 1400 mg/l)

- Suggested value in saltwater aquariums:
- Ca: 400-440 mg/l, Mg: 1200-1400 mg/l
- First the magnesium level is determined, including calcium. Then the calcium is measured and subtracted from the total value.
- The set includes both tests (Ca-Test + Mg-Test).
- Insufficient levels of and magnesium affect the growth of corals and stunt the growth of the attractive red calciferous algae.

Art. no.

25402
25403

Reagent

UP

3
1

JBL Silicate Test SiO₂

Silicate (silicic acid) Test

- Identifies the cause of diatoms which grow when levels of silicic acid (silicates) increase.
- Range of values: < 0.1; 0.2; 0.4; 0.8; 1.2; 1.6; 2.0; 3;0; > 6.0 mg/l.
- Treatment is possible with JBL Silikat Ex.
- Developed for freshwater and saltwater.

Art. no.

Content For

25353
2535450 tests
Reagent

UP

3
1

JBL Testlab Marin

Professional test kit for accurate marine water analysis

- Set of eleven different tests: pH 7.4-9.0; KH (2x); Ca; Mg; Cu; NH₄; NO₂; NO₃; PO₄; SiO₂; O₂.
- Waterproof plastic case containing 6 glass cuvettes, two syringes, thermometer, ballpoint pen, analysis logs as well as comprehensive instructions.
- Laboratory comparator system takes an eventual self-colouring of water into account.

Art. no.

25503

New with oxygen test!
Nuevo con test oxygen

UP

1



JBL Precision hydrometer

Density measurement device for saltwater

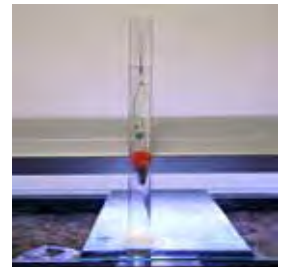
- NEW: With improved stand on the measuring vessel. The octagonal stand is considerably more stable, stands more safely and is now screwed onto the vessel.
- Suitable for scientific purposes with reading accuracy of 0.0005 units!
- With integrated thermometer and temperature correction scale.
- Transport cylinder serves as practical measuring vessel.

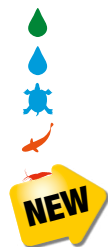
Art. no.

61408

UP

1





JBL ProFlow sf (u800,1100,2000) Fast filter cartridge for JBL ProFlow u 800/1100/2000

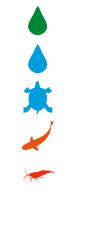
- Converts every ProFlow u pump into a complete internal/fast filter (also suitable for other pumps).
- Mechanical and biological filtering with 35 ppi specialty foam. Large external surface (5 m²) thanks to a dedicated profile which enables long service life (flattened on one side for better positioning near the aquarium pane).

Art. no.

60610

UP

1



JBL Symec XL Filterwool Coarse filter wool

- Green, high-quality filter wool, maintains its volume.
- Synthetic residue-free material.
- For freshwater and saltwater.

Art. no.

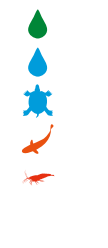
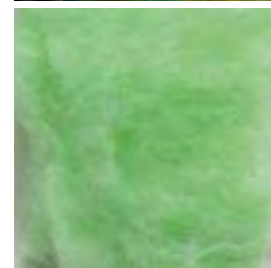
62325

Content

250 g

UP

20



JBL SintoMec White intensive bio-filter rings

- High-quality sintered glass rings for intensive biological water clarifying.
- Internal hole diameter only 5 mm, resulting in thicker wall depth and providing more effective surface for bacteria which breakdown pollutants.
- 1 litre has 1200 m² effective surface, 5 times as much as conventional ceramic tubes.

Art. no.

62547

Content

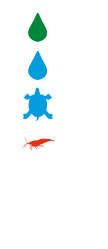
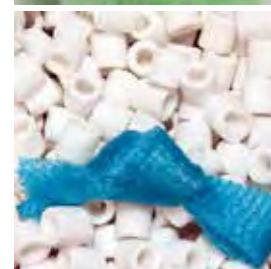
450 g

Range

200 l

UP

6



JBL Carbomec ultra carbon Superactive carbon in pellet form for the saltwater aquarium

- Activated carbon specially designed for pH 8.0.
- 100 % phosphate-free.
- Absorbed materials are not released again.
- pH-neutral and neutral conductivity.
- Ready for immediate use with a net bag and clip.
- Also suitable for pH levels of about 8 in Malawi and Tanganyika aquariums.

Art. no.

62355

Content

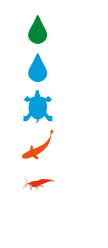
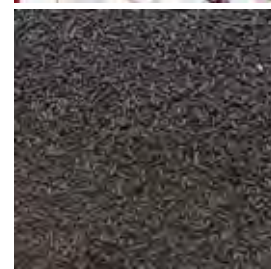
400 g

Range

200 l

UP

6



JBL SilikatEx A special filter material which eliminates silicic acid and phosphate

- Silicate (silicic acid, SiO₂) causes unattractive diatom algae in the aquarium.
- Mains water often contains levels of silicates which create problems with diatom algae.
- This filter material permanently absorbs silicate and phosphate, preventing the growth of diatom.

Art. no.

62549

Content

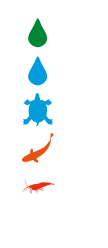
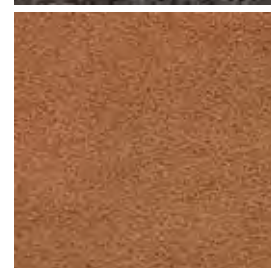
500 g

Range

200-400
l

UP

6



JBL BioNitratEx Biological filtermaterial for the removal of nitrates

- Removes the main nutrient of algae, nitrate, off the water. Operates exclusively through nitrate-eliminating bacteria, without the use of chemical additives or exchange products.
- Bacteria need no extra feeding, as substrate includes feed.
- Also suitable for use in saltwater in combination with the active carbon JBL Carbomec ultra as after-filter.

Art. no.

62535

Content

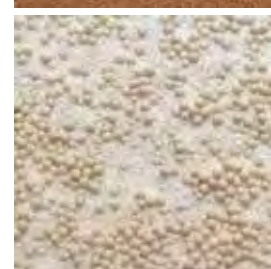
240 g

Range

200 l

UP

6



JBL PhosEX ultra Filter mass for the removal of phosphates

- Phosphate in excess of 0.25 mg/l in freshwater, or 0.1 mg/l in saltwater, will give rise to algae-induced problems.
- 340 g of the products permanently absorbs 18,000 mg phosphates. Comprised of an insoluble iron compound which releases no toxins into the water.
- Effect measurable after only 24 hours.
- For fresh- and saltwater aquariums.

Art. no.

62541

Content

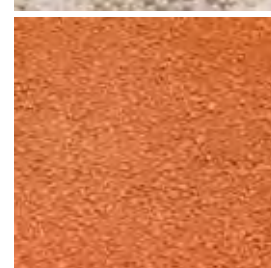
340 g

Range

200 l

UP

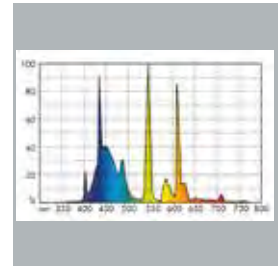
6



**JBL SOLAR MARIN DAY T8****Daylight tube for marine tanks**

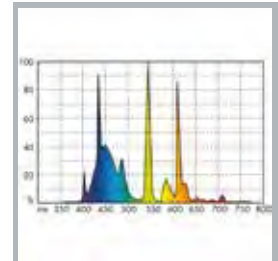
- Cold-white spectrum with 15,000 K colour temperature, specially suited as lighting for marine aquariums.
- Particularly well suited for tanks with corals and other invertebrates.
- High light efficiency with good colour rendering properties.
- Colour temperature 15,000 K.
- CRI 88, 2000 lumens.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61600 | 15 W | 438 mm | 4 |
| 61601 | 18 W | 590 mm | 4 |
| 61602 | 25 W | 742 mm | 4 |
| 61603 | 30 W | 895 mm | 4 |
| 61604 | 36 W | 1200 mm | 4 |
| 61605 | 38 W | 1047 mm | 4 |
| 61606 | 58 W | 1500 mm | 4 |

**JBL SOLAR MARIN DAY ULTRA****standard lengths****T5 daylight tube for marine tanks**

- Cold-white spectrum featuring a colour temperature of 15,000 K.
- Particularly suited for reef aquariums with corals and other invertebrates.
- High light efficiency with very colour rendering characteristics.
- Colour temperature 15,000 K.
- CRI 90 +

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61691 | 24 W | 550 mm | 4 |
| 61692 | 39 W | 850 mm | 4 |
| 61693 | 54 W | 1150 mm | 4 |
| 61694 | 80 W | 1450 mm | 4 |

**JBL SOLAR MARINE DAY ULTRA****special lengths****T5 daylight tube for marine tanks**

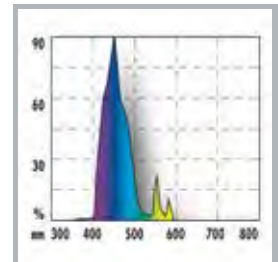
- Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61771 | 24 W | 438 mm | 4 |
| 61772 | 28 W | 590 mm | 4 |
| 61773 | 35 W | 742 mm | 4 |
| 61774 | 45 W | 895 mm | 4 |
| 61775 | 54 W | 1047 mm | 4 |
| 61776 | 54 W | 1200 mm | 4 |

**JBL SOLAR OCEAN BLUE ULTRA****Blue actinic T5 special fluorescent tube (standard lengths)**

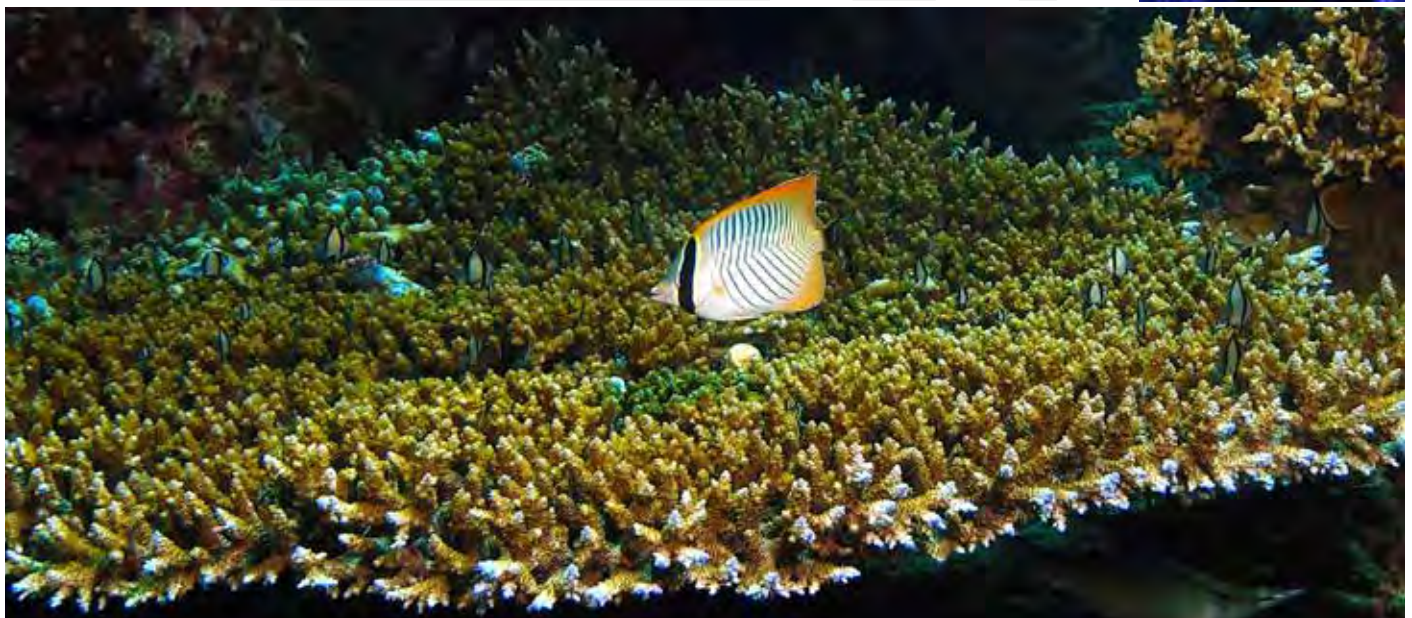
- Facilitates coral growth by enhancing the blue range in the spectrum (so-called actinic radiation) preferred by zooxanthellae.
- Displays and facilitates the beautiful fluorescence effects in corals.
- In combination with JBL SOLAR MARIN DAY this is the perfect illumination for salt water aquariums.
- Long life and reliable functioning.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61881 | 24 W | 550 mm | 4 |
| 61884 | 39 W | 850 mm | 4 |
| 61887 | 54 W | 1150 mm | 4 |
| 61889 | 80 W | 1450 mm | 4 |

**JBL SOLAR OCEAN BLUE ULTRA****Blue actinic T5 special fluorescent tube (special lengths)**

- Spectrum and properties such as JBL SOLAR OCEAN BLUE ULTRA standard length.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61880 | 24 W | 438 mm | 4 |
| 61882 | 28 W | 590 mm | 4 |
| 61883 | 35 W | 742 mm | 4 |
| 61885 | 45 W | 895 mm | 4 |
| 61886 | 54 W | 1047 mm | 4 |
| 61888 | 54 W | 1200 mm | 4 |



Food > Turtles/Terrapins > main food



JBL Turtle Food

Main food for water turtles, incl. pond turtles

- Now with food sticks containing fish!
- Balanced mixture of dried crustaceans, insects and sticks.
- Main food for all turtles, incl. pond turtles, in temperate zones.
- Supplementary food for tropical pond turtles, birds and other carnivorous terrarium animals.
- No water pollution thanks to elaborate cleaning.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70362 | 100 ml | 11 g | 12 |
| 70363 | 250 ml | 30 g | 12 |
| 70364 | 1000 ml | 120 g | 6 |
| 70365 | 2500 ml | 300 g | 1 |



JBL Agil

Food sticks for turtles

- Main food for turtles, incl. pond turtles.
- Floating food sticks.
- Rich in fish and shrimp proteins, resulting in excellent acceptance.
- Should only be given to tortoises as an occasional treat.
- Contains lysine to promote healthy bone growth.
- Multivitamin complex and stabilized vitamin C increase resistance to disease.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70342 | 250 ml | 100 g | 12 |
| 70343 | 1000 ml | 400 g | 6 |
| 70344 | 2500 ml | 1000 g | 1 |
| 70345 | 12,5 l | 5000 g | 1 |



Food > Turtles/Terrapins > Complement



JBL Gammarus

Clean gammarus crustaceans

- Treats for turtles.
- Very popular supplementary food for pond turtles.
- Elaborately pre-sifted and cleaned Gammarus.
- Float on the water surface.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70322 | 250 ml | 25 g | 12 |
| 70323 | 1000 ml | 110 g | 6 |

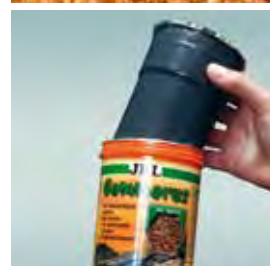


JBL Gammarus Refill pack

For the 1000 ml tin

- Environmentally friendly packaging, which can be inserted into the JBL Gammarus 1000 ml container.
- Price advantage through a refill pack that saves on raw materials.
- Freshness sealed.
- Contents identical to JBL Gammarus.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70326 | 750 ml | 80 g | 12 |



JBL Energil

Whole fish and shrimps, in natural state.

- For turtles, incl. pond turtles.
- Natural state, whole fish and crustaceans.
- Special treat for medium to large-sized turtles, incl. pond turtles.
- Promotes natural preying instincts and encourages movement.
- Floats on the water surface.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70313 | 1000 ml | 150 g | 6 |
| 70314 | 2500 ml | 430 g | 1 |



JBL Tortil

Food tablets for turtles

- Add variety to your animals' diet.
- Rich in protein from fish and shrimp.
- Multivitamin complex and stabilized vitamin C increase resistance to disease.
- Also perfectly suitable for pond turtles.
- Sink in water.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70301 | 100 ml | 60 g | 6 |



JBL Calcil

Mineral food sticks for turtles

- Food supplement for turtles, incl. pond turtles.
- With minerals to promote healthy growth of the shell.
- Rich in protein from fish and shrimp.
- Should only be given to tortoises as an occasional treat.
- Multivitamin complex and stabilized vitamin C increase resistance to disease.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70292 | 250 ml | 95 g | 6 |



Food > Turtles/Terrapins > Breeding



JBL ProBaby

Special food for young turtles

- Sifted and cleaned mixture of small freshwater shrimp and insects.
- With a multivitamin complex for resistance to disease and calcium for healthy shell growth.
- Float on the water.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70360 | 100 ml | 13 g | 6 |



JBL Rugil

Food sticks for small turtles

- With 20% wheat germ and proteins from fish and shrimp.
- Excellent acceptance and healthy growth as a result.
- Multivitamin complex and stabilized vitamin C increase resistance to disease.
- Float on the water.
- Also ideally suited for young pond turtles.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70351 | 100 ml | 37 g | 6 |



Food > Tortoises > Main food



JBL Herbil

Organic green food for tortoises

- The first main food for tortoises with a Bioland seal!
- Made of grass and herbs cultivated in accordance with the strict guidelines of the Bioland association.
- Top of the line product providing the perfect nutrition for all tortoises.
- Pellets with a diameter of 6 mm which all tortoises like to eat directly or after they have been soaked.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70452 | 250 ml | 165 g | 6 |
| 70453 | 1000 ml | 700 g | 3 |

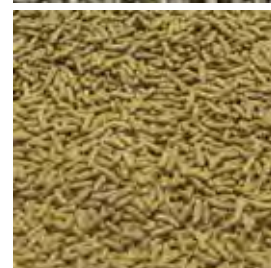


JBL Agivert

Purely vegetable food sticks for tortoises

- Main food sticks for tortoises.
- For species-appropriate nutrition for all tortoise species.
- Healthy growth without shell problems through the use of purely plant ingredients.
- Multivitamin complex and stabilised vitamin C increase resistance to disease.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70331 | 100 ml | 43 g | 6 |
| 70332 | 250 ml | 105 g | 6 |
| 70333 | 1000 ml | 420 g | 6 |



Food > Reptiles > Main food



JBL Iguvert

Complete food for iguanas and other plant-eating reptiles

- High quality food sticks for herbivorous reptiles.
- With natural fruit aroma for high acceptance.
- With stabilized vitamin C for increased resistance.
- Purely plant ingredients to meet nutritional needs.

| Art. no. | Content | Weight | UP |
|--------------|---------|--------|----|
| 70282 | 250 ml | 105 g | 6 |
| 70283 | 1000 ml | 420 g | 6 |



Preview JBL Expedition Venezuela 2016





The right food for your turtles and tortoises

European tortoises



Testudo hermanni boettgeri



Testudo marginata



Testudo graeca iberia



Testudo hermanni hermanni

Staple food



- JBL Herbil
- Organic green food with Bioland seal
- Pure vegetable food pellets
- Healthy growth without shell problems



- JBL Agivert
- Pure vegetable food sticks
- Healthy growth without shell problems
- Multivitamin complex and stabilised Vitamin C for increased resistance

Supplement to staple food:
Salad (not lettuce), dandelion, wild herbs, clover, chickweed

Care products

Substrate
JBL TerraBasis
Mixed 50 : 50 with
JBL TerraBark 5-10



Health care

JBL Tortoise Shine - shell care, combats parasites
JBL Tortoise Sun Terra - multivitamin preparation
JBL MicroCalcium - ideal calcium supply
JBL Biotopol T - drinking water conditioner for terrarium animals



- Cucumber
- Apple
- Zucchini
- Carrot
- Melon

Not suitable:
• Tomato
• Banana
• Citrus fruit
• Food containing meat

Tropical tortoises – Rainforest



Geochelone carbonaria



Geochelone denticulata

Staple food



- JBL Herbil
- Organic green food with Bioland seal
- Pure vegetable food pellets
- Healthy growth without shell problems



- JBL Agivert
- Pure vegetable food sticks
- Healthy growth without shell problems
- Multivitamin complex and stabilised Vitamin C for increased resistance

Supplement:
Fruit, bananas, green plants, wild herbs

Not suitable: Citrus fruit, food containing meat

Care products

Substrate
JBL TerraBasis
Mixed 30 : 70 with
JBL TerraBark 10-25



Health care

JBL Tortoise Shine - shell care, combats parasites
JBL Tortoise Sun Terra - multivitamin preparation
JBL MicroCalcium - ideal calcium supply
JBL Biotopol T - drinking water conditioner for terrarium animals



Tropical tortoises – Arid regions



Geochelone pardalis babcocki



Geochelone sulcata



Geochelone elegans



Geochelone radiata

Staple food



- JBL Herbil
- Organic green food with Bioland seal
- Pure vegetable food pellets
- Healthy growth without shell problems



- JBL Agivert
- Pure vegetable food sticks
- Healthy growth without shell problems
- Multivitamin complex and stabilised Vitamin C for increased resistance

Supplement:
Hay, ruccola, wild herbs, apples, pears

Not suitable: Citrus fruit, food containing meat

Care products

Substrate
JBL TerraBasis
Mixed 20 : 80 with
JBL TerraSand



Health care

JBL Tortoise Shine - shell care, combats parasites
JBL Tortoise Sun Terra - multivitamin preparation
JBL MicroCalcium - ideal calcium supply
JBL Biotopol T - drinking water conditioner for terrarium animals



Turtles (swamp areas)



Emys orbicularis



Terapene major



Mauremys japonica



Terapene carolina

Staple food



JBL ProBaby
Special food for young turtles



JBL Rugil
Food sticks for small turtles



JBL Turtle Food
Staple food for all turtles



JBL Gammarus
Washed water fleas, staple food for all turtles

Supplementary food



JBL Tortil
Food tablets for turtles



JBL Energil
Treats containing fish and shrimp



JBL Calcil
Mineral food sticks for tortoises



JBL Agil
Food sticks for tortoises

- Rain worms
- Red mosquito larvae (JBL NovoFil)
- Tubifex (JBL NovoFex)
- Fish
- Slug and shellfish meat
- Mosquito larvae and tubifex as frozen food
- Baby mice
- Sweet fruit

Care products

Equipment

Ratio land 25 % & water 75 %
Coarse gravel, wood roots (mangroves), sepi shells
Strong filter, heater

Health care

JBL Tortoise Sun Aqua - multivitamin preparation
JBL Easy Turtle - removes unpleasant odours in turtle terrariums
JBL Biotopol T - drinking water conditioner for terrarium animals



Tropical turtles (swamp areas)



Rhinoclemmys pulcherrima



Rhinoclemmys punctulata



Heosemys grandis



Cuora flavomarginata

Staple food

- Fruit (except citrus fruit)
- Slugs
- Baby mice
- Rain worms
- Fish

Supplementary food



JBL Gammarus
Washed water fleas, staple food for turtles



JBL Energil
Treats containing fish and shrimp



JBL Turtle Food
Staple food for all turtles



JBL Rugil
Food sticks for small turtles

Care products

Substrate

JBL TerraCoco mixed 20 : 80 with JBL TerraBark 10-20
Ratio land 90 % & water 10 %



Health care

JBL Tortoise Shine - shell care, combats parasites
JBL Tortoise Sun Terra - multivitamin preparation
JBL Biotopol T - drinking water conditioner for terrarium animals
Sepia shells



Turtles



Sternotherus carinatus



Platemys platycephala



Pseudemys concinna



Chinemys reevesi

Staple food



JBL ProBaby
Special food for young turtles



JBL Rugil
Food sticks for small turtles



JBL Turtle Food
Staple food for all turtles



Washed water fleas, staple food for turtles



JBL Agil
Food sticks for tortoises

Supplementary food



JBL Tortil
Food tablets for turtles



JBL Energil
Treats containing fish and shrimp



JBL Calcil
Mineral food sticks for tortoises

- Rain worms
- Fish
- Slug and shellfish meat
- Red mosquito larvae (JBL NovoFil)
- Tubifex (JBL NovoFex)
- Live flea shrimp

Care products

Equipment

Ratio land 25 % & water 75 %
Coarse gravel, wood roots (mangroves), sepi shells
Strong filter, heater

Health care

JBL Tortoise Sun Aqua - multivitamin preparation
JBL Easy Turtle - removes unpleasant odours in turtle terrariums
JBL Biotopol T - drinking water conditioner for terrarium animals





JBL Turtle Sun Aqua
Multivitamin preparation for turtles

- Promotes the health of turtles.
- Increases resistance to disease.
- Protects against vitamin deficiency diseases.
- Specially formulated to meet the needs of turtles.

Art. no.

70441

Content

10 ml

UP

6



JBL Tortoise Sun Terra
Multivitamin preparation for tortoises

- Promotes the health of tortoises.
- Increases resistance to disease.
- Protects against vitamin deficiency diseases.
- Specially formulated to meet the needs of tortoises.

Art. no.

70442

Content

10 ml

UP

6



JBL TerraVit Powder
Multivitamins and trace elements in powder form for terrarium animals

- Specially designed to meet the needs of reptiles and other terrarium animals.
- Ideally suited to add vitamins to live feeder insects.

Art. no.

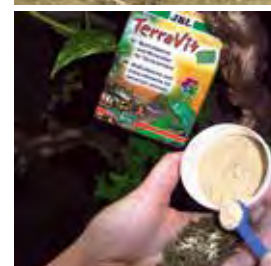
71029

Content

100 g

UP

6



JBL TerraVit fluid
Liquid multivitamin for terrarium animals

- Specially designed for use in drinking water, bath container or food, where powder is not suitable.
- Designed to meet the needs of terrarium animals.
- Emulsion with lecithin basis.

Art. no.

71032

Content

50 ml

UP

6



JBL MicroCalcium
Calcium powder to sprinkle on feeder insects

- Pure microfine calcium < 3 µ size. This increases static adherence.
- Upgrades all feeder animals.
- Fast adsorption through microfine particles with large surface. Guarantees excellent calcium supply for all reptiles.

Art. no.

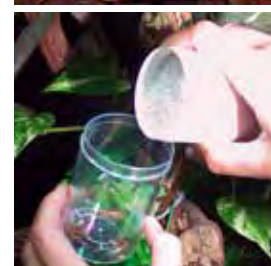
71033

Content

100 g

UP

6



JBL TerraCrick
Food for crickets and other feeder insects

- Improves the nutritional value of feeder animals.
- Supplies calcium, proteins, carbohydrates, vitamins etc.

Art. no.

70271

Content

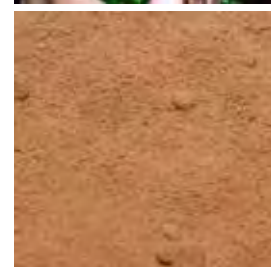
100 ml

Weight

60 g

UP

6



JBL CrickBox
Shaker container to sprinkle powder on feeder insects

- Clean, simple and practical help in sprinkling feeder insects with mineral powders e.g. JBL MicroCalcium.
- 9 cm x 6 cm size cans.

Art. no.

71034

Size

6 x 9 cm

UP

6





JBL Biotopol T

Water conditioner for the terrarium

- Converts tapwater to physiologically suitable bathing and drinking water for reptiles and amphibians in terrariums.
- Immediately removes aggressive chlorine and chloramine.
- Quickly adsorbs toxic heavy metals.
- Precious plant extracts and vitamin B improve health. Promotes problem-free shedding of the skin.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 71001 | 50 ml | 200 l | 6 |



JBL Tortoise Shine

Cares for the shell.

- Highly effective against ticks!

| Art. no. | Content | UP |
|--------------|---------|----|
| 70450 | 10 ml | 6 |



JBL EasyTurtle

Removes unpleasant odors in turtle terrariums

- Bacteria cultured on special granulate quickly convert organic pollution to non-toxic ammonium.
- Produces odour-free and crystal-clear water.
- 25 g granulate are sufficient for about 50 litres.

| Art. no. | Content | Range | UP |
|--------------|---------|-------|----|
| 71036 | 25 g | 50 l | 6 |



JBL TerraGel

Do-it-yourself water gel for terrarium animals

- A healthy and safe supply of drinking water for small reptiles, spiders etc. in the terrarium.
- No danger of drowning! Water in its safest form.
- Pure natural product from seaweed gelling agents!
- No unwanted chemical residues as from other commonly used polyacrylamide gels.
- Contents for max. 3 litre prepared gel.
- Gel consistency can be selected when mixing.

| Art. no. | Content | UP |
|--------------|---------|----|
| 71005 | 30 g | 6 |



Preview JBL Expedition Venezuela 2016

Technic > Light



JBL UV-Spot plus Extra-strong UV spot lamp with daylight spectrum

- NEW SIZE: 80 W
- New design: UV spotlight with operating guarantee.
- Supplies all terrariums with UVA, UVB, heat and daylight.
- 38 % UVA, 7 % UVB.
- Fits all E27 fittings.
- With an integrated thermostat against overheating.
- Does not produce any harmful UVC radiation.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61834 | 80 W | E27 | 2 |
| 61838 | 100 W | E27 | 2 |
| 61839 | 160 W | E27 | 2 |



Technic > Light > Lighting



JBL ReptiSpot HaloDym Halogen lamp for light (neodymium) + Heat

- A special radiating lamp made of neodymium glass with a balanced daylight spectrum. The neodymium glass enables an especially good and high-contrast color reproduction.
- Facilitates the growth of plants and the vitality of animals.
- Via the halogen technology energy consumption is reduced by 30% and the operating life doubled in comparison to conventional filament lamps. Reptiles can have a near natural heat regulation as a result of the possibility to "sunbathe" under this lamp.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61866 | 28 W | E27 | 3 |
| 61867 | 42 W | E27 | 3 |
| 61868 | 70 W | E27 | 2 |



JBL ReptiDay Halogen Spotlight for the terrarium

- Daylight full spectrum 2900 K.
- Produces areas of warmth and light at the same time.
- Reptiles associate light with heat and therefore specifically seek out this light source to sunbathe.
- 15% more light and double the life compared to conventional spotlights.
- Does not increase the temperature of the surroundings as much as conventional spotlights with the same wattage.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61841 | 35 W | E27 | 6 |
| 61842 | 50 W | E27 | 6 |
| 61843 | 75 W | E27 | 4 |
| 61844 | 100 W | E27 | 4 |



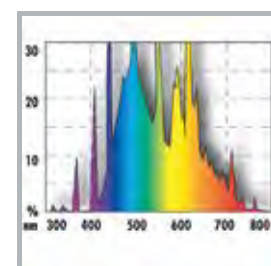
Technic > Light > Solar Light tubes T8



JBL SOLAR REPTIL JUNGLE Special terrarium fluorescent tube for rainforest reptiles

- For all terrarium animals which are only exposed to low UV radiation due to their way of life (e.g. rain forest/twilight).
- Low UV-B proportion of 0.5 %.
- Low UV-A proportion of 2.0 %.
- Life span at least 1 year.
- Spectrum reproduces the range of light which rainforest dwellers have in their natural environment.

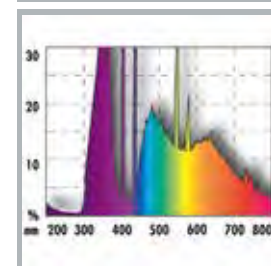
| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61590 | 15 W | 438 mm | 4 |
| 61591 | 18 W | 590 mm | 4 |
| 61592 | 25 W | 742 mm | 4 |
| 61593 | 30 W | 895 mm | 4 |
| 61594 | 36 W | 1200 mm | 4 |
| 61595 | 38 W | 1047 mm | 4 |



JBL SOLAR REPTIL SUN Special terrarium fluorescent tubes for desert animals

- High UV-B concentration (8 %) to meet the needs of dwellers and other animal species which receive full sunlight in their natural habitat.
- UV-A concentration 36 %.
- Min. 1 year life.
- Spectrum reproduces the range of light which animals naturally have in a habitat exposed to a lot of direct sunlight.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61650 | 15 W | 438 mm | 4 |
| 61651 | 18 W | 590 mm | 4 |
| 61652 | 25 W | 742 mm | 4 |
| 61653 | 30 W | 895 mm | 4 |
| 61654 | 36 W | 1200 mm | 4 |
| 61655 | 38 W | 1047 mm | 4 |



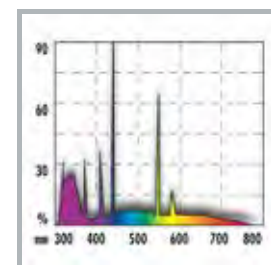
Technic > Light > SOLAR light tubes T5



JBL SOLAR REPTIL SUN ULTRA standard lengths

- T5 fluorescent tube for desert animals
- High share of UVB (12 %) to meet the specific needs of desert animals and other species that receive full sunlight in their natural habitat.
- UVA share of 63 % with a life expectancy of at least one year. Sunlight equivalent full spectrum with a high UVA and B share.

| Art. no. | Performance | Length | UP |
|--------------|-------------|---------|----|
| 61597 | 24 W | 550 mm | 4 |
| 61598 | 39 W | 850 mm | 4 |
| 61599 | 54 W | 1150 mm | 4 |





JBL ReptilDesert

Energy-saving lamp for desert terrariums

- Available in two different versions: JBL ReptilDesert UV 300 = 10.0 (300 $\mu\text{W}/\text{cm}^2$ at 5 cm distance, 220 $\mu\text{W}/\text{cm}^2$ = natural in 7.5 cm), 15 W, 6500 K, high UV-A and UV-B concentration.
- JBL ReptilDesert UV 480 = 10.0 (480 $\mu\text{W}/\text{cm}^2$ at 5 cm distance, 200 $\mu\text{W}/\text{cm}^2$ = natural in 10 cm), 23 W, 6500 K, very high UV-A and UV-B concentration.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61851 | 15 W | E27 | 3 |
| 61852 | 23 W | E27 | 3 |



JBL ReptilDesert Daylight

Energy-saving lamp without UV for desert terrariums

- Energy-saving lamp without UV concentration for animals that do not tolerate UV light or which have another reliable UV supply.
- Full spectrum daylight lamp with 24 W.
- 6500 °K colour temperature.
- With an E27 socket.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61850 | 24 W | E27 | 3 |



JBL ReptilJungle

Energy-saving lamp for rainforest terrariums

- Available in two different versions: JBL ReptilJungle UV 190 = 5.0 (190 $\mu\text{W}/\text{cm}^2$ at a 5 cm distance, 20 $\mu\text{W}/\text{cm}^2$ = natural in 20 cm), 15 W, 6500 K, medium UV-A and UV-B concentration.
- JBL ReptilJungle UV 310 = 5.0 (310 $\mu\text{W}/\text{cm}^2$ at a 5 cm distance, 20 $\mu\text{W}/\text{cm}^2$ = natural in 30 cm), 23 W, 6500 K, medium UV-A and UV-B concentration.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61856 | 15 W | E27 | 3 |
| 61857 | 23 W | E27 | 3 |



JBL ReptilJungle Daylight

Energy-saving lamp without UV for rainforest terrariums

- Energy-saving lamp with negligible UV concentration for animals that do not tolerate UV light or which have another reliable UV supply.
- Full spectrum daylight lamp with 24 W.
- 4000 °K colour temperature.
- With an E27 socket.

| Art. no. | Performance | Socket | UP |
|--------------|-------------|--------|----|
| 61855 | 24 W | E27 | 3 |



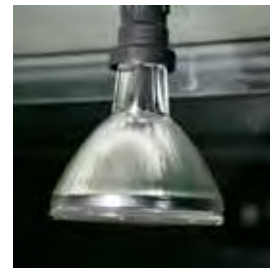


JBL ReptilDesert L-U-W Light

LUW sun lamp for desert terrariums

- The all-in-one solution: Provides light + UV + warmth for desert terrariums.
- All-day lighting with 6000 K for 10 - 12 h daily.
- Full-spectrum light with a colour reproduction index (CRI) of 98.
- Requires a special electronic ballast (e.g. JBL TempSet LUW) depending on the wattage.

| Art. no. | Watt | Voltage | UP |
|--------------|------|---------|----|
| 61871 | 35 W | 230 V | 2 |
| 61872 | 70 W | 230 V | 2 |



JBL ReptilJungle L-U-W Light

LUW solar light for rainforest terrariums

- The all-in-one solution: Provides light + UV + warmth for forest terrariums.
- All-day lighting with 4000 K for 10 - 12 h daily.
- Full-spectrum light with a colour reproduction index (CRI) of 98.
- Requires a special electronic ballast (e.g. JBL TempSet LUW) depending on the wattage.

| Art. no. | Watt | Voltage | UP |
|--------------|------|---------|----|
| 61876 | 35 W | 230 V | 2 |
| 61877 | 70 W | 230 V | 2 |



JBL ReptilDesert L-U-W Light alu

LUW solar light (spot light) made of aluminium for rainforest terrariums

- The complete solution: Supplies L(ight) + U(V) + W(armth) for desert terrarium with 25 ° spot beam.
- All-day lighting with 5000 K for 10-12 h per day.
- Full-spectrum light with a colour reproduction index (CRI) of 90.
- With aluminium lamp body, designed for a better heat dissipation and thus more performance.
- A special ballast (JBL TempSet LUW) is needed for each wattage.

| Art. no. | Watt | Voltage | UP |
|--------------|------|---------|----|
| 61890 | | | 2 |
| 61891 | | | 2 |
| 61892 | | | 2 |



JBL ReptilJungle L-U-W Light alu

Aluminium LUW wide-beam spotlight for rainforest terrariums

- The complete solution: Supplies L(ight) + U(V) + W(armth) for rainforest terrariums with 40 ° wide-beam spotlight.
- All-day lighting with 5000 K for 8 - 10 h per day.
- Full spectrum light with a colour reproduction index (CRI) of 90.
- With aluminium lamp body, designed for a better heat dissipation and thus more performance.
- A special ballast (JBL TempSet LUW) is needed for each wattage.

| Art. no. | Watt | Voltage | UP |
|--------------|------|---------|----|
| 61894 | | | 2 |
| 61895 | | | 2 |
| 61896 | | | 2 |



JBL TempSet Unit L-U-W

Installation kit for metal-halide lamps

- Pre-assembled for the safe operation of all metal-halide lamps (e.g. JBL Reptil Desert LUW and JBL Reptil Jungle LUW).
- Quick release in the ignition cable just needs a 20 mm small hole to be put through.
- Joint at the lamp socket enables a freely selectable lamp angle till 180°.
- Guaranteed safety thanks to a quality ballast with automatic shut-off in case of problems.

| Art. no. | For | UP |
|--------------|------|----|
| 61878 | 35 W | 1 |
| 61875 | 50 W | 1 |
| 61879 | 70 W | 1 |



JBL TempProtect light

Reptile thermal burn protection for JBL TempSets

- For UV spots, metal-halide lamps and others.
- Can be easily affixed to any JBL TempSet at a later date since the socket does not need to be dismantled.
- The screen is made of stable, heat-resistant special plastic with narrow slits and mesh made of stainless steel.
- Prevents overheating and consequently a shortened life expectancy of the lamp.

| Art. no. | Size | Size | UP |
|--------------|--------|------|----|
| 71186 | 100 mm | M | 2 |
| 71187 | 130 mm | L | 2 |



JBL TempReflect light

Reflector screen for energy-efficient lamps

- 100 % duplication of light as a result of the high gloss reflector.
- Suitable for JBL TempSets and energy-saving lamps of up to 30 W.
- Can be easily mounted by clipping to the JBL TempSet.
- NOT suitable for use with lamps that get very hot and radiant heaters.
- Essential for increasing the depth of penetration and control of the essential UV-B light with energy-efficient lamps emitting UV-B.

| Art. no. | Size | UP |
|--------------|------------|----|
| 71189 | up to 30 W | 2 |



The right light for your terrarium

Light with UV for tropical forest animals

(tropical rain forest, dry forest & swamp areas)



Advantage: Heat can be controlled to suit individual needs e.g. at a specific place by a spot lamp.

Many forest animals receive a relatively large amount of UV light due to the way they live e.g. in the treetops or on the river bank. Experts recommend:

Permanent lighting with no heat emission: bright, promotes plant growth

Permanent lighting with no heat emission: bright, promotes plant growth



Fluorescent tube containing UV
Advantages:
• Even illumination
• Bright
• Moderate energy consumption

Light + Heat - UV-B +



Energy-saving lamps with a high UV concentration
Advantages:
• Bright
• Low energy consumption
UV 190 (small tropical terrariums): ideal for a distance of 20 cm
UV 310 (large tropical terrariums): ideal for a distance of 30 cm

Light + Heat - UV-B ++

Permanent lighting with heat emission: bright, promotes plant growth (contains UV)

Permanent lighting with heat emission: bright, promotes plant growth (contains UV)

Permanent lighting with heat emission: bright, promotes plant growth (contains UV)



Aluminium LUW wide-beam spotlight
Advantages:
• Very bright
• Good source of heat
35W, 4000K (small tropical terrariums): ideal for a distance of 30 – 60 cm
70W, 4000K (large tropical terrariums): ideal for a distance of 40 - 80 cm

Light ++ Heat ++ UV-B ++



UV spot lamp with daylight spectrum
Advantages:
• Very bright
• High UV
• Good source of heat

Light + Heat ++ UV-B ++

Light without UV for tropical forest animals

(tropical rain forest & dry forest)



Some tropical forest animals live on the ground or in the shade and need no UV light. Sometimes it can even be harmful to such species. Experts recommend:

Permanent lighting with no heat emission: bright, promotes plant growth

Permanent lighting with no heat emission: bright, promotes plant growth

Permanent lighting with no heat emission: bright, promotes plant growth



Energy-saving lamp with no UV
Advantages:
• Bright
• Low energy consumption

Light ++ Heat - UV-B -



Fluorescent tubes without UV
Advantages:
• Even illumination
• Bright
• Moderate energy consumption

Light + Heat - UV-B -

Permanent lighting with heat emission: bright, promotes plant growth

Permanent lighting with heat emission: bright, promotes plant growth

Permanent lighting with heat emission: bright, promotes plant growth



Halogen spot lamp without UV, 2900K
Advantages:
• Bright
• Low energy consumption
• Dimmable

Light ++ Heat ++ UV-B -

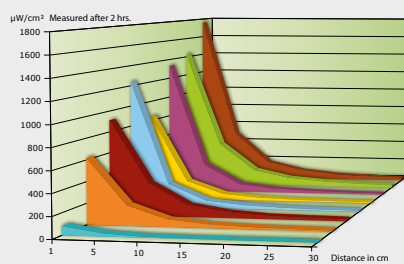


Special lamp made of neodymium glass, 2700 K, UV-A percentage
Advantages:
• Even illumination
• Bright
• Moderate energy consumption

Light ++ Heat ++ UV-A +

Comparison of JBL Reptil Jungle/Desert UV energy-saving lamps with competitor products

The JBL lamps achieve the best UV-output in comparison.



Overview of JBL terrarium lights

| JBL Product | Type of lamp | Light | UV-A | UV-B | Heat |
|-------------------------------|------------------------|-------|------|------|------|
| JBL Reptil Jungle Daylight | Energy-saving lamp | ++ | - | - | - |
| JBL Reptil Jungle UV 190 | Energy-saving lamp | + | ++ | ++ | - |
| JBL Reptil Jungle UV 310 | Energy-saving lamp | + | ++ | ++ | - |
| JBL Reptil Desert Daylight | Energy-saving lamp | ++ | - | - | - |
| JBL Reptil Desert UV 300 | Energy-saving lamp | + | ++ | ++ | - |
| JBL Reptil Desert UV 480 | Energy-saving lamp | + | ++ | ++ | - |
| JBL SOLAR UV-Spot plus | UV-Spot lamp | + | ++ | ++ | ++ |
| JBL Reptil Jungle L-U-W Light | Metal halide lamp | ++ | ++ | ++ | ++ |
| JBL Reptil Desert L-U-W Light | Metal halide lamp | ++ | ++ | ++ | ++ |
| JBL Reptil Day | Halogen lamp | ++ | - | - | ++ |
| JBL Reptil Spot HaloDym | Neodymium/Halogen lamp | ++ | + | - | ++ |
| JBL SOLAR Reptil Sun | Fluorescent tube | + | ++ | ++ | - |
| JBL SOLAR Reptil Jungle | Fluorescent tube | + | + | + | - |

The right light for your terrarium

Light for animals that are active at dusk and at night



Tree frogs



Red-eyed treefrogs



Horned frogs



Leopard geckos



Bibron's geckos



House geckos



Boa constrictors



Mangrove tree snakes



Milk snakes



Green tree pythons



Tokay geckos



Centipedes



Thick tail scorpions

Many of these animals getting active, as soon as the UV radiation during the day decreased at dawn. During the day please illuminate light including UV (see: „light with UV“)



Dusk and night time lighting with no heat emission

JBL Reptil Jungle UV 190



Energy-saving lamp with no UV

Advantages:

- Bright
- Low energy consumption
- UV suitable for a distance of 20 cm

Light ++ Heat -- UV-B ++

JBL Reptil Jungle Daylight



Energy-saving lamp with no UV

Advantages:

- Bright
- Low energy consumption

Light ++ Heat -- UV-B --

Dusk lighting with heat emission

JBL Reptil Day



Halogen spot lamp without UV, 2900K

Advantages:

- Bright
- Low energy consumption
- Dimmable



Light ++ Heat ++ UV-B --

Light with UV for desert animals



Rock lizards



Collared lizards



Spiny-tailed iguanas



Monitor lizards



Tortoises



Leopard tortoises



Bearded dragons



Dab lizards



Rainbow lizards



Yellow-headed agamas



Fringed-neck lizards



Girdled lizards



Bedriaga's skinks

The advantage: Heat zones can be set up selectively so that the animals are also able to seek cooler areas!

In addition to needing large amounts of light and UV, diurnal animals from deserts and steppes often need warm spots as well, which they seek actively. As light is associated with heat, they automatically look for spots with radiation.

Permanent lighting with no heat emission: bright, promotes plant growth

JBL SOLAR Reptil Sun



Fluorescent tube containing UV

Advantages:

- Even illumination
- Bright
- Moderate energy consumption

Light ++ Heat -- UV-B ++

JBL Reptil Desert UV 300 / UV 480



Energy-saving lamps with a high UV concentration

Advantages:

- Bright
- Low energy consumption
- UV 300 (small desert terrariums): ideal for a distance of 7.4 cm
- UV 480 (large desert terrariums): ideal for a distance of 10 cm

Light ++ Heat -- UV-B ++

Permanent lighting with heat emission: bright, promotes plant growth

JBL Reptil Desert L-U-W Light alu



Aluminium LUW wide-beam spotlight

Advantages:

- Very bright
- Good source of heat
- 35W, 6000K (small desert terrariums): ideal for a distance of 20 - 50 cm
- 70W, 6000K (large desert terrariums): ideal for a distance of 30 - 70 cm

Light ++ Heat ++ UV-B ++

JBL SOLAR UV-Spot plus



UV spot lamp with daylight spectrum

Advantages:

- Very bright
- High UV
- Good source of heat

Light ++ Heat ++ UV-B ++

JBL Temp Set

Our experts recommend the following products to ensure the safety of your installation, its reliable running and the correct maintenance conditions for your pet reptile.

• basic • angle • connect • angle+connect

JBL Temp Set Unit L-U-W



Installation kit:

For the safe operation of metal halide lamps in terrariums. Comes with an electronic control gear. For 35W or 70W

JBL Temp Protect light



Protective lamp reflector: Protects reptiles and their keepers from burns.

Easy to add, without dismantling the existing light fixture.

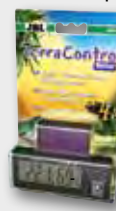
JBL Terra Control



Thermometer and hygrometer

2 separate instruments that reliably measure and display air humidity (0-100 %) and temperature (-30 to +60° C)

JBL Terra Control Solar



Solar-powered thermometer & hygrometer

Swivelling digital thermometer and hygrometer with an extremely powerful solar cell that requires very little light to function in all terrariums. Temperature range: 30 to +50 °C Humidity range: 20-99 %



Installation kits: specifically designed for high temperature lamps such as ceramic lamps or spots. Easy to install. Comes with an E27 socket for lamps of up to 250 W



JBL CrickBox

Shaker container to sprinkle powder on feeder insects

- Clean, simple and practical help in sprinkling feeder insects with mineral powders e.g. JBL MicroCalcium.
- 9 cm x 6 cm size cans.

Art. no.

Size

UP

71034

6 x 9 cm

6



JBL FeedingRock

Dispensing stone for live feeder insects

- The natural and easy method of feeding crickets and other insects to reptiles.
- Is relaxing and fun!
- Simple and convenient.
- Encourages the natural hunting instinct of reptiles.
- No more escaped insects!
- JBL CrickBox and JBL MicroCalcium are not included.
- Size: approx. 13 x 11 x 12 cm made of neutral synthetic resin.

Art. no.

UP

71037

1



JBL ReptilBar GREY

Grey feeding/drinking/bathing bowl for terrarium animals

- Non-toxic UP resin (unsaturated polyester resin).
- Bowls available in 6 sizes:
- XS: 6x4x1cm; S: 9x7,5x1,5cm; M: 13x11x3,5cm; L: 16x14x5cm; XL: 20x18x6cm; XXL: 30x25x12cm (XXL ideal as bathing bowl).
- Dishwasher-proof to 65 °C.
- With „rescue ladder“ to prevent drowning of feed animals.
- Heavy-duty, stable design to prevent accidental knocking over.

Art. no.

Size

UP

71070

XS

6

71071

S

6

71072

M

4

71073

L

2

71074

XL

1

71075

XXL

1



JBL ReptilBar RED

Reddish brown feeding/drinking/bathing bowl for terrarium animals

- Non-toxic UP resin (unsaturated polyester resin).
- Bowls available in 6 sizes:
- XS: 6x4x1cm; S: 9x7,5x1,5cm; M: 13x11x3,5cm; L: 16x14x5cm; XL: 20x18x6cm; XXL: 30x25x12cm (XXL ideal as bathing bowl).
- Dishwasher-proof to 65 °C.
- With „rescue ladder“ to prevent drowning of feed animals.
- Heavy-duty, stable design to prevent accidental knocking over.

Art. no.

Size

UP

71076

XS

6

71077

S

6

71078

M

4

71079

L

2

71080

XL

1

71081

XXL

1



JBL ReptilBar SAND

Sand coloured feeding/drinking/bathing bowl for terrarium animals

- Non-toxic UP resin (unsaturated polyester resin).
- Bowls available in 6 sizes:
- XS: 6x4x1cm; S: 9x7,5x1,5cm; M: 13x11x3,5cm; L: 16x14x5cm; XL: 20x18x6cm; XXL: 30x25x12cm (XXL ideally suitable as bathing bowl).
- Dishwasher-proof to 65 °C.
- With „rescue ladder“ to prevent drowning of feed animals.
- Heavy-duty, stable design to prevent accidental knocking over.

Art. no.

Size

UP

71082

XS

6

71083

S

6

71084

M

4

71085

L

2

71086

XL

1

71087

XXL

1



Preview JBL Expedition Venezuela 2016





JBL TerraControl

Thermometer & Hygrometer

- Temperature scale: -30 to +60°C. The range between 20 and 35°C is marked as optimum.
- Air humidity values: 0 to 100 % in 10 % stages.

Art. no.

61517

UP

6



JBL TerraControl Solar

Solar-powered thermometer & hygrometer

- Swivelling, solar-powered digital thermometer and hygrometer for all terrariums.
- Power supplied by a powerful solar cell that requires extremely little light.
- Temperature range: -30 to +50 °C.
- Humidity range: 20 - 99 % relative humidity.
- Convenient mounting anywhere in the terrarium by double sided adhesive tape.
- Mounting plate that can be mounted on the left or right as desired.

Art. no.

71164

Length

95 mm

Height

65 mm

UP

6



JBL NoBang

Door stops for terrarium glass panes

- Prevents the glass splintering when the door is shut too hard.
- Suitable for all terrarium glass doors.
- Permanently elastic transparent plastic guarantees long use.
- Creates only the smallest gap of 1.7 mm, which no reptile can escape through.
- Suitable for doors closing vertically and horizontally.
- Pack content: 10 stops.

Art. no.

Content

UP



JBL TerraSafe

Keylock for terrarium panes

- For all panes up to 8 mm glass thickness.
- With two keys.

Art. no.

61516

UP

10



JBL Shiro

Magnetic terrarium lock without a key

- Ingenious design: Lock simply opens with a magnet so that no key is required!
- All of the "locks" can be opened with just one single magnet.
- The locking plates are magnetic and rust-free.
- Size of locking plate: 43 x 30 mm.
- Awarded Product of the Year 2011!

Art. no.

61518

For glass

6 mm

UP

6



JBL ShiRo Locking Plate

4 locking plates for JBL Shiro Magnetic Lock

- Set with 4 locking plates.
- Can be opened with the JBL Shiro Magnets.
- The locking plates are magnetic and rust-free.
- Size of locking plate: 43 x 30 mm.

Art. no.

61519

UP

6



Preview JBL Expedition Venezuela 2016



Accessories > Cleaning



JBL Clean T
Glass cleaner for terrarium glass

- Cleans all terrarium glass naturally.
- Non-hazardous to terrarium animals.
- Dissolves lime-scale on terrarium glass.

Art. no.
71035

Content
250 ml

UP
6



JBL WishWash
Innovative aquarium cleaning cloth + sponge

- NEW: On one side of the packaging the version for aquariums is shown and on the other the version for terrariums.
- Removes algae and limescale (please use JBL Clean A/T !)
- Cleans the outside of the glass panes thoroughly and easily (cloth).
- Soaks up removed dirt instead of merely spreading it in the water. Free of chemicals.

Art. no.
61526

UP
6



Accessories > Decoration/protection



JBL TerraPlanta Amaz.Philo
Plastic hanging plants for the terrarium

- Water-neutral plastic.
- Offers animals protection and climbing facilities.
- Simple to disinfect using JBL Desinfekt.

Art. no.
68026

Length
50 cm

Width
17 cm

UP
1



JBL TerraPlanta Canabis
Plastic hanging plants for the terrarium

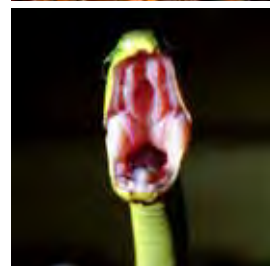
- Water-neutral plastic. Offers animals protection and climbing facilities.
- Simple to disinfect using JBL Desinfekt.;
- M = 68029
- L = 68030

Art. no.
68029
68030

Length
50 cm
65 cm

Width
17 cm
17 cm

UP
1
1



JBL TerraPlanta Casuarina
Plastic hanging plants for the terrarium

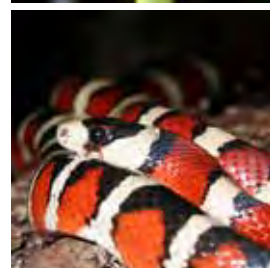
- Water-neutral plastic. Offers animals protection and climbing facilities.
- Simple to disinfect using JBL Desinfekt.

Art. no.
68035

Length
50 cm

Width
17 cm

UP
1



JBL TerraPlanta Congo Ivy
Plastic hanging plants for the terrarium

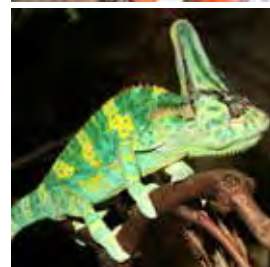
- Water-neutral plastic. Offers animals protection and climbing facilities.
- Simple to disinfect using JBL Desinfekt.
- S = 68010
- M = 68011

Art. no.
68010
68011

Length
40 cm
50 cm

Width
17 cm
17 cm

UP
1
1



JBL TerraPlanta Madag. Bamboo
Plastic hanging plants for the terrarium

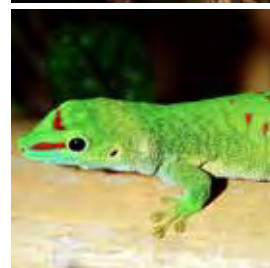
- Water-neutral plastic. Offers protection and climbing facilities for animals.
- Simply to sterilize using JBL Desinfekt.
- S = 68037
- M = 68038
- L = 68039

Art. no.
68037
68038
68039

Length
40 cm
50 cm
65 cm

Width
17 cm
17 cm
17 cm

UP
1
1
1





JBL Cork Bark

Tunnel-shaped bark as decoration

- Suitable for the decoration of the back of the tank and to provide shelter.
- Bark can be weighted down to prevent floating.
- Initial brown discoloration of water disappears after partial water changes.

Art. no.

67040

per Kg

UP

1



JBL ReptilCava GREY

Grey cave for terrarium animals

- Available in three sizes:
- S:11 x 11,5 x 6,5 cm; M:16 x 13,5 x 10 cm; L:23 x 20 x 10 cm.
- Very natural-looking reproduction made of solid coloured, non-toxic UP resin (unsaturated polyester resin).
- Heavy-duty, stable design to prevent accidental knocking over.

Art. no.

71088

Size

S

UP

2

71089

M

1

71090

L

1



JBL ReptilCava RED

Reddish brown cave for terrarium animals

- Available in three sizes:
- S:11 x 11,5 x 6,5 cm; M:16 x 13,5 x 10 cm; L:23 x 20 x 10 cm.
- Very natural-looking reproduction made of solid coloured, non-toxic UP resin (unsaturated polyester resin).
- Heavy-duty, stable design to prevent accidental knocking over.

Art. no.

71092

Size

S

UP

2

71093

M

1

71094

L

1



JBL ReptilCava SAND

Sand coloured caves for terrarium animals

- Available in three sizes:
- S:11 x 11,5 x 6,5 cm; M:16 x 13,5 x 10 cm; L:23 x 20 x 10 cm.
- Very natural-looking reproduction made of solid coloured, non-toxic UP resin (unsaturated polyester resin).
- Heavy-duty, stable design to prevent accidental knocking over.

Art. no.

71096

Size

S

UP

2

71097

M

1

71098

L

1



JBL AquaSil transparent

Silicon for the aquarium and terrarium

- Special silicon transparent, with highly adhesive strength.
- For constructing and repairing aquariums.
- Fast hardening.
- Odourless, neutral, nontoxic when hard.
- TÜV type approved.

Art. no.

61391

Content

80 ml

UP

6

61394

310 ml

1



JBL HARU

Universal adhesive

- Bonds anything to anything (except PP and PE plastics).
- For optimal adhesion under water, does not require emptying of the tank. For leaky aquariums, fixing of decorative materials, securing stones from falling over, fastening of corals on stones, fastening of different materials to one another (e.g., wood on glass) etc.
- Black polymer-based adhesive and sealant (odour-free and non-toxic) which is permanently elastic and can even harden under water.

Art. no.

61396

Content

80 ml

Weight

130 g

UP

6



JBL Cocos Cava

Coconut shell caves

- Ideal spawning and hiding place for fish.
- Terrarium animals readily adopt these natural caves as places to sleep or hide.
- Natural material without toxins.

Art. no.

61510

Size

1/2 L

UP

6

61511

1/2 M

6

61512

3/4 L

3

61514

1/1 M

3

61513

1/1 L

3





JBL TerraBasis

Bottom-covering material

- For humid and semi-humid terrariums.
- Does not contain fertiliser.
- High humidity capacity.
- Loose bottom-covering provides activity for digging animals.

| Art. no. | Content | UP |
|--------------|---------|----|
| 71010 | 5 l | 4 |
| 71012 | 20 l | 1 |



JBL TerraCoco

Coconut chippings, natural bottom-covering material for the terrarium

- For all types of terrarium.
- From the fibrous outer husks of ripe coconuts.
- Natural bacteria-inhibiting property of the material prevents fungal infection of the ground layer.

| Art. no. | Content | UP |
|--------------|---------|----|
| 71015 | 5 l | 1 |



JBL TerraCoco Compact

Natural coconut chippings, in compressed form

- Contents + 3 l water make 5 l coir chippings.

| Art. no. | Content | UP |
|--------------|---------|----|
| 71025 | 450 g | 6 |



JBL TerraCoco Humus

Natural coconut humus in compressed form

- Contents + 4 l water make 8 l turf-like ground covering material for forest and rain forest terrariums.

| Art. no. | Content | UP |
|--------------|---------|----|
| 71026 | 600 g | 6 |



JBL TerraWood

Beech chippings, natural bottom-covering material for the terrarium

- For dry and semi-dry terrariums.
- 100 % natural.
- Pesticide-free.
- Also suitable as litter for birds and small pets such as guinea pigs.

| Art. no. | Content | UP |
|--------------|---------|----|
| 71016 | 5 l | 1 |
| 71006 | 20 l | 1 |



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JBL TerraSand natural red

Bottom covering for desert terrariums

- Fine, virtually dust-free sand. Ideal bottom-covering material for desert animals e.g. spiny-tailed lizards, snakes, etc. The granulation encourages the natural digging behaviour of many species.
- Round particles reduce abrasive effect on the skin of the animals.
- Graining: 0,05-1 mm

| Art. no. | Content | UP |
|--------------|---------|----|
| 71017 | 7,5 kg | 3 |

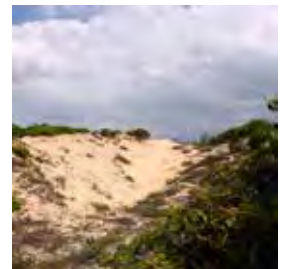


JBL TerraSand natural yellow

Bottom covering for desert terrariums

- Yellow, fine and virtually dust-free sand for desert terrariums, ideal for e.g., agamidæ, chalcidæ and frill-necked lizards.
- The granulation encourages the natural digging behaviour of many species.
- Round particles reduce abrasive effect on the skin of the animals.
- Graining: 0,2-0,6 mm

| Art. no. | Content | UP |
|--------------|---------|----|
| 71018 | 7,5 kg | 3 |



JBL TerraSand natural white

Bottom covering for desert terrariums

- Fine, white sand for terrariums which should recreate sandy deserts or savannah biotopes.
- The sand is virtually dust-free and with its round particles reduces the abrasive effect on the skin of the reptiles.
- The white color has the effect that the temperature of the sand is lower when exposed to light than that of darker sand colors.
- Graining: 0,2-0,6 mm

| Art. no. | Content | UP |
|--------------|---------|----|
| 71019 | 7,5 kg | 3 |



JBL TerraBark

Bottom covering for pine bark

- Bottom covering for forest and rain forest terrariums.
- Pesticide-free.
- Humidity-regulating properties.
- Made exclusively from the valuable underbark of pine trees, valued by experts for the high proportion of essential oils which reduce germs and fungal infections.

| Art. no. | Content | Graining | UP |
|--------------|---------|----------|----|
| 71021 | 5 l | 2-10 mm | 1 |
| 71024 | 20 l | 2-10 mm | 1 |
| 71020 | 5 l | 10-20 mm | 1 |
| 71022 | 20 l | 10-20 mm | 1 |
| 71023 | 20 l | 20-30 mm | 1 |



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Terrarium Products



JBL TerraCoco

Grandes arácnidos de la serie: | Boidae, girdorde se-
vires, las grandes águilas, el género Phryganathus,
grandes iguanas



Decasoft Terra6000,
Wetnes for Terra Basis





Pitones tigrinas/reales, serpientes de los géneros *Elaphe* y *Bolitoglossa* (serpientes del mar) y *Elaphe* y *Bolitoglossa* (serpientes de tierra), serpiente del género *Amphisbaena* (serpiente ciego), del género *Physignathus*, *Skink* (ho-
lanois, urogefo, grolas, glanahs, g. *Thamnophis* sordidus, *hairy* y *tate* sordidus) y *Amphisbaena* de San Antonio, Madagascar, de *Amphisbaena* discolorados del género *Bombina*, terafosas, *Pandinus imperator*, salamanguas verdes de Madagascar, camaleones

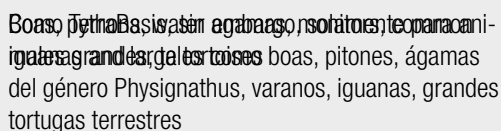
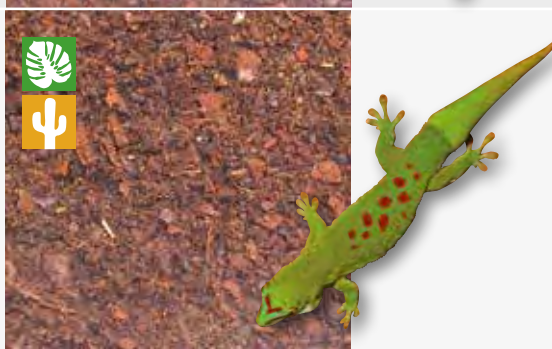
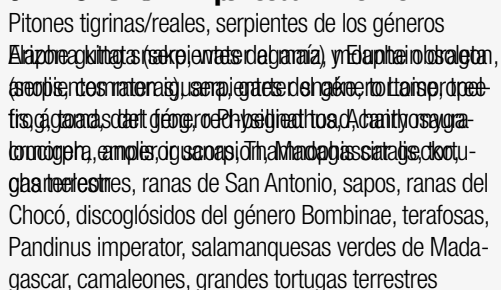
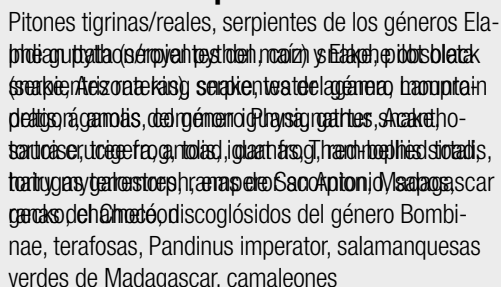
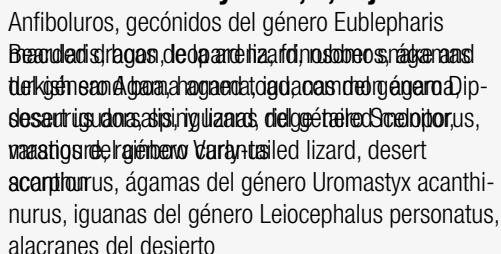
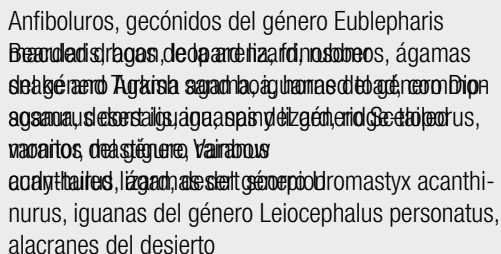


Grandes plantas nativas, bromelíadas vari-
as, grandes rocas, agua en abundancia y
muchos animales, grandes iguanas



 **Sitedo do deserto mais desértico**

 **Sitedo para o teste de adaptação à selva**



The JBL Fan Shop:

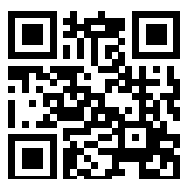
The place where all fans of aquatics, reptiles and koi can wear their passion on their sleeves.















It's not only Ferrari fans who like to show their enthusiasm by wearing caps, polo shirts or bags – even when they don't actually drive a Ferrari! Aquarists and terrarium and pond enthusiasts also like to wear their love on their sleeve. The JBL Fan Shop is offering just the right clothing, perfect accessories and accessorized animal

pictures, as well as photorealistic embroidery designs, all absolutely unbeatable. Furthermore clubs and pet shop owners can order team wear at special conditions. With this Fan Shop JBL would like to promote the hobby and therefore subsidizes all clothes. In return a small JBL logo will be visible on the sleeves.



You will find the JBL Fan Shop on the JBL homepage under: <http://www.jbl.de/de/fanshop>



| | | | | | |
|---|--|--------------------------|---|----------|---|
|  | JBL Product catalogue 2015 Full colour catalogue of all aquarium- and terrarium products <ul style="list-style-type: none"> • Describes all JBL products in words and pictures. • Over 1000 photos. • With information pages: feeding tables, fish disease guide, CO₂ chart etc. | Art. no. 95461 | Language DE/EN/ FR/NL/IT/ ES | UP 1 |  |
|  | JBL Pond product catalogue 2015 Full colour catalogue of all pond products <ul style="list-style-type: none"> • Describes all JBL products for garden ponds in words and pictures. • Over 200 full colour photos. • With information pages: new products, advantages of JBL packaging, ways of presentation, koi-food concept, advantages of JBL pond fish food, fish diseases, use of UV-C and JBL expeditions. | Art. no. 95463 | Language DE/EN/ FR/NL/IT | UP 1 |  |
|  | JBL Folder Setting up an aquarium Booklet on the subject of: Setting up an aquarium <ul style="list-style-type: none"> • 30-page coloured booklet, A5 size. • Subjects: The aquarium, substrate, decor, technical equipment, water, plants, fish, care, literature • Available in the following Languages: DE/UK/FR/NL/ES/PT/PL/SE/IT/DK/CZ/CN | Art. no. 96221 | Language DE/EN/ FR/NL/ ES/PT/PL/ SE/IT/DK/ CZ/CN | UP 25 |  |
|  | JBL Folder Aquarium water Brochure: Aquarium water <ul style="list-style-type: none"> • 34-page coloured booklet, A5 size. • Subjects: Water hardness, pH, nitrogen compounds, phosphorous and silicon compounds, heavy metals, calcium and magnesium concentration. • Includes a water analysis recording sheet. | Art. no. 96222 | Language DE/EN/ FR/NL/ IT/ES | UP 25 |  |
|  | JBL Folder The right lighting for aquariums and terrariums Brochure: The right lighting for aquariums with JBL SOLAR <ul style="list-style-type: none"> • 26-page coloured brochure, A5 size. • Subjects: Photosynthesis, physics of light, light for plants, algae, the different kinds of JBL SOLAR tubes, reflectors, saltwater illumination. | Art. no. 96228 | Language DE/EN/ FR/IT/NL | UP 25 |  |
|  | JBL Folder ProScape Information and products about aquascaping <ul style="list-style-type: none"> • 28-page brochure, including all products of the JBL ProScape range. • Information about aquascaping/ProScape/biotope scaping. • With illustrated instructions how to scape an aquarium. • Also contains additional products required for scaping. • A5 format. | Art. no. 96233 | Language DE/EN/ FR/NL | UP 25 |  |
|  | JBL Protocol voor wateranalyse To record all water analysis results. <ul style="list-style-type: none"> • Suggested problem solutions for all results. • With CO₂ chart. • For freshwater, marine aquariums and garden ponds. • DIN A 4 size. | Art. no. 96064 | Language DE/EN/ FR/NL/IT | UP 1 |  |



JBL Folder Algae – what now?
Brochure about fighting algae in the aquarium
 • 12 pages, fully illustrated in colour.
 • Size: DIN A5

Art. no.
97014 Language
 DE

UP
 25



JBL Folder Carbonate Hardness
Brochure about carbonate hardness, the life insurance for your aquarium
 • 8-page coloured brochure, A5 size.
 • Subjects: Where are the dangers lurking? What does the carbonate hardness (KH) value tell us? How can I determine the KH? What is the advantage of having a properly adjusted KH? How can I raise the KH? How can I lower the KH? Special case: The Malawi/Tanganyika aquarium; overview of products relating to KH.

Art. no.
97282 Language
 DE/FR

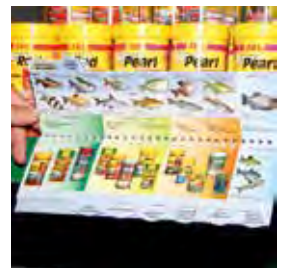
UP
 25



JBL Flip Chart: The right food for your fish
8-page flip chart with feeding recommendations
 • Contains feeding recommendations for: Community tanks, tetras, barbs, danios, livebearers, cichlids, labyrinth fish, goldfish & fantail goldfish, catfish & loaches, puffer fish, eels, butterflyfish, panchax, killifish and rainbow fish.

Art. no.
96381 Language
 DE/FR/NL

UP
 1



JBL Flip Charts Aquarium Tubes
Tables and tube data of aquarium manufacturers
 • Assists everyone in finding the proper tube for his cover in case neither the length nor the wattage is known.
 • 1. The card lists all T5/T8 lengths with the according wattage and the properties of the individual JBL tube types.
 • 2. The card indicates which JBL tubes are suitable for which type of aquarium.
 • 3. - 6. The card shows all versions of aquariums with the technical data of the tubes for AquaMedic, Aquatlantis, Aquavision, Fluval, Juwel and MP.
 • 8. The card illustrates the supplies for tubes.

Art. no.
96341 Language
 DE/FR/NL

UP
 1



JBL Flip Chart Remedies
Flip Charts for the diagnosis and treatment of fish diseases
 • 8 flip files: white dots, Oodinium, bacterial infestation, fungal infections, skin and gill flukes, carp lice & anchor worms, worms and hole-in-the-head disease. Shows pictures and methods of treatment for dealing with fish diseases. Refers to possible mix-ups. Lists ALL pathogens the remedy is effective for. Also available online on the JBL homepage.

Art. no.
96377 Language
 DE/EN/FR

UP
 1



JBL Vivarium Lighting
Flip register concerning Light & Warmth in a Vivarium
 • Easy to fasten on the shelving unit.
 • Contents: Light without UV for tropical forest animals
 • Light without UV for tropical forest animals
 • Heat for tropical forest animals:
 • Light & heat for animals that are active at dusk and at night:
 • Light with UV for desert animals Heat for desert animals

Art. no.
96383 Language
 DE/EN/FR/NL

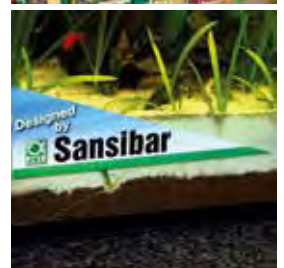
UP
 1



Sheet of JBL Sansibar adhesive labels
8 Stickers on a sheet
 • Triangular stickers, which are easy to pull off again.

Art. no.
97881

UP
 1



JBL Online

Information, Downloads and Videos For Your Hobby

JBL online on your PC, tablet or smartphone. Information, news, downloads and videos for your hobby.

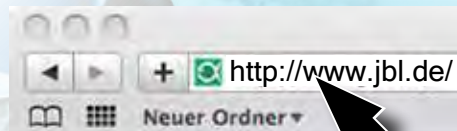
Brochures and information for you to read and much more are available for you to download or print out day and night.

Videos give you valuable practical tips from the world of JBL. Visit us on our Youtube channel or at facebook.de.

YouTube



facebook.jbl.de



**VORSPRUNG DURCH
FORSCHUNG**
AHEAD THROUGH RESEARCH





JBL Fish Bags - S

High-quality transport bag, small

- Double sealed seams. Rounded heat-sealed corners.
- Instructions for emptying printed in German, English and French. Transparent section only in lower part
- ensuring darker transport (less stress) and greater contrast when viewing fish with bag upright.
- Size: 18 x 42 cm.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 95421 | 42 cm | 18 cm | 50 |



JBL Fish Bags - L

High-quality transport bag, large

- Double sealed seams. Rounded heat-sealed corners.
- Instructions for emptying printed in German, English and French. Transparent section only in lower part
- ensuring darker transport (less stress) and greater contrast when viewing fish with bag upright.
- Size: 24 x 52 cm.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 95422 | 52 cm | 24 cm | 50 |



JBL Fish Bags - XL

Extra large top-quality fish bags

- Rounded heat-sealed corners on the bottom
- Size: 30 cm x 60 cm.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 95423 | 60 cm | 30 cm | 25 |



JBL Rubber rings (rubber bands)

1 kg for (e.g.) fish bags of all sizes

| Art. no. | Weight | Content | UP |
|--------------|--------|------------|----|
| 95260 | 1000 g | ~ 3000 pc. | 1 |



JBL Carrier Bag

Strong plastic transport bag.

- Size incl. carrier handles: approx.: 26 cm x 50 cm.

| Art. no. | Length | Width | UP |
|--------------|--------|-------|----|
| 95463 | 50 cm | 26 cm | 50 |



JBL Note pad

Note pad with 50 pages.

- Size: 15 cm x 7 cm.

| Art. no. | Content | Size | UP |
|--------------|-----------|---------|----|
| 95450 | 50 sheets | 15x7 cm | 10 |



JBL Assortment colourcharts

Colour charts for all JBL water test kits

- Water resistant laminated coloured cards in a binder for easy page flipping.
- Contains the coloured cards and short instructions for use for: pH 3.0 - 10.0; pH 6.0 - 7.6; pH 7.4 - 9.0; NH₄; NO₂; NO₃; Fe; PO₄; SiO₂; O₂; Cu and the colour change colours of Mg; Ca; GH and KH.
- Size: 25 cm x 10 cm..

| Art. no. | | | UP |
|--------------|--|--|----|
| 97266 | | | 1 |





JBL Business Card Holder

Rack holder for cards

- Can be hung directly on the rack. For approx. 25
- cards (for example for the Online Hospital cards)

Art. no.

95140

UP

1



JBL Business Card PlanktonPur / ProScape

Card with reference to JBL ProScape and PlanktonPur

- Practical card with QR code and reference to the JBL ProScape concept on one side.
- The other side offers a reference and QR code link to the JBL PlanktonPur program.

Art. no.

99329

Language

DE/EN/
FR/NL

UP

30



JBL Business Card - Online Hospital/ Pond Lab

Business card with direction to JBL Online Hospital/Pond Lab

- Coloured reference card in a convenient cheque card size for the two most popular online help systems on the JBL homepage.
- Size: 8.5 cm x 5.5 cm. One size shows the reference to the JBL Online Hospital, the other to the JBL Pond Lab.
- One sales unit contains 30 cards.

Art. no.

95130

Language

DE/EN

UP

30



JBL Hanging strips 6 items

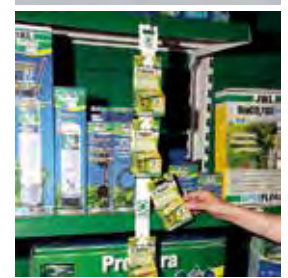
- Provides a means for exhibiting up to 6 products (with a hanging hole) at variable locations.
- Equipped with an eyelet on the upper end for hanging items up (ideal with an adhesive hook or s-shaped hook).

Art. no.

97234

UP

1



JBL Shelf - shelf strips

Provides a better overview at the shelf.

- One block is enough to completely equip a 2 m-long shelf.
- Also contains colored blank strips for supplementing already labeled strips.
- Dimensions: 42 cm x 2.2 cm.
- Colors are concordant with the colors of the product groups in the JBL catalogue / homepage.

Art. no.

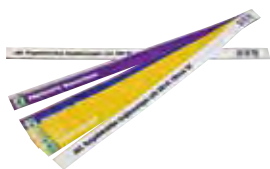
97328

Language

DE/EN/
FR /NL

UP

1



JBL Shelf Strips

(will be supplemented beginning 2014)

Supplementary set of shelf strips for narrow shelf bars

- Coloured paper strips, 41 x 2.3 cm long, with new product groups. DE, EN, NL contain: Axolotl, Automatic Feeder, Plankton Food, ProScape Fertilizers, ProScape Tools, ProScape Substrates, ProScape Water Tests, Heating and Cooling.
- FR additionally contains: food for cold water fish, water conditioner for bettas, water conditioner for goldfish.

Art. no.

97329

Language

DE/EN/
FR /NL

UP

1



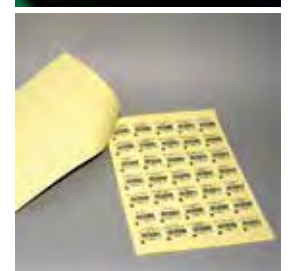
JBL Rack labels (all Art.)

Art. no.

97304

UP

1





JBL Colouring block

Sales promotion article for campaigns involving children

- 10 humorous fish pictures to color in.
- A5 format coloring block with 10 pages.
- A further 15 designs are available on the JBL Homepage to download.

Art. no.

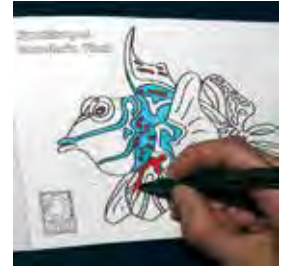
Language

UP

95456

DE/EN/FR

1



JBL Notepad

Notepad for seminars

- 50 sheets.
- Writing paper (squared).
- A4 format.
- With strong front cover and cardboard back.

Art. no.

UP

95451

1



JBL Sticker (18x12cm) – from outside

Oval sticker

- 18 x 12 cm
- To be applied on outside.

Art. no.

UP

95011

1



JBL SOLAR Tubes Lighting Guide

Overview and tips on the use of JBL Aquarium tubes

- Informs the viewer on the JBL T5 and T8 tubes for aquariums.
- Shows spectrums and areas of application along with advantages.
- Points out the award given JBL tubes by a professional journal.
- Dimensions: 98.7 x 30 cm (fits exactly between the supports of the Tego metal system with 1 m boards).

Art. no.

Language

UP

97209

DE/EN
/FR

1



JBL SOLAR Tubes Lighting Guide

Overview and tips on the use of JBL Terrarium Lighting

- Informs customers about JBL lighting systems for terrariums, such as UV-spots, tubes, energy saving lamps etc.
- 98,7 x 30 cm.

Art. no.

Language

UP

97212

DE/EN/
FR/NL

1



JBL Poster Fish Nets

Overview of all JBL Fishing Nets

- Shows sizes, special handle lengths and size of mesh.
- Offers tips on how to improve catching with 2 nets.
- Size: 98.7 * 24 cm (fits exactly between the support of the Tego metal system with 1m floors).

Art. no.

Language

UP

97210

DE

1



JBL Poster Sansibar

Poster with information about JBL Sansibar substrates

- Dimensions: 30 x 95 cm (width x height).
- Shows the colours of all 7 JBL Sansibar sorts.
- Without text and therefore internationally useable.

Art. no.

UP

91010

1





EXPEDITION



& WORKSHOP



Worldwide destinations of the JBL Expeditions & Workshops



The JBL Research Team obtains information on aquarium fish and terrarium animals first-hand by carrying out expeditions into the regions where the animals live on a regular basis. There, biotope investigations are performed on site, the results of which are used for publications and the development of JBL's products.

Due to the destinations which are difficult to reach and the small number of participants, JBL Expeditions are usually more costly than JBL Workshops, which offer a larger number of participants (60 - 80) an opportunity to experience research in the fields of aquarium keeping and terrarium keeping live in nature.

Every fan of nature is eligible for participation: As soon as the details of a JBL Expedition or a JBL Workshop have been set, they are posted on JBL's website. Then it's time to apply – and, with some luck, take part!



Expedition
French Guyana & Caribbean



Expedition
Central America & Galapagos



Workshop
Red Sea/Egypt



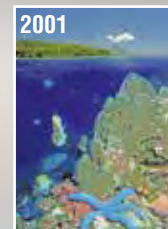
Expedition
Sri Lanka & Maledives



Workshop
Vietnam

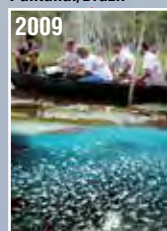


Expedition
Sulawesi/Indonesia



Aquarium • Terrarium

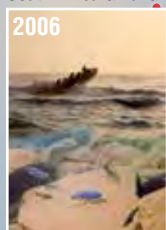
Expedition
Amazonia & Pantanal/Brazil



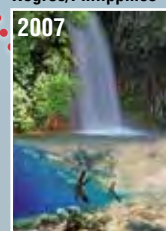
Workshop
Tanzania & Lake Tanganyika



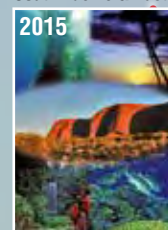
Expedition
South Africa & Lake Malawi



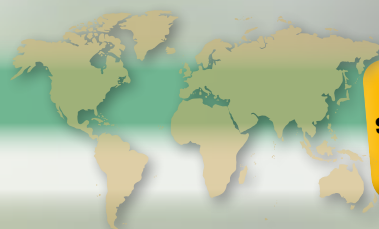
Workshop
Negros/Philippines



Announcement Expedition
South Pacific & Australia



Who can take part in the JBL Expeditions & Workshops?



**JBL Expeditions & Workshops
stand for adventure and research,
all in one!**



Every lover of nature who is physically fit and at least 18 years of age (at the time of departure), can take part. Proficiency in German and/or English is helpful so that communication within the group is not limited to body language. Physical fitness helps withstand the tropical temperatures and humidity levels, which are sometimes high. There are no extreme walks. Sometimes, though, a few walks to beautiful biotopes just can't be avoided.

What is the difference between a JBL Expedition and a JBL Workshop?

JBL Expeditions often lead into pathless terrain, to a number of different destinations, have a duration of around 14 days and are limited to approx. 16 participants due to local conditions. The fact that there are multiple destinations and that these are often remote frequently leads to somewhat higher costs of participation.

JBL Workshops are from 7 to 11 days, and the price of participation is kept as low as possible at around € 1,000. The workshops are supposed to be affordable for persons with an average income so that the number of participants is from 60 to 80 persons who are divided up into small groups of 8 during the workshop.

Do you have to be an animal specialist?

No! There are always experts/scientists along who are very knowledgeable about their field of expertise and willing to help, be it in regard to salt water, fresh water, invertebrates, terrarium animals or plants.



Do you have to be a diver?

If you don't have a scuba diving license, you can go snorkelling. Snorkelling is usually better suited than compressed air diving in fresh water anyways. In the ocean, there are always spots for snorkelling in addition to the scuba diving spots. Sometimes there are animal species that can only be found at great depths, so that they can only be reached by scuba divers. Many participants acquired their scuba diving license after they received their written confirmation for participation.



What makes the JBL Expeditions & Workshops different from other trips?

What's different about the JBL trips is that like-minded persons travel together. On other trips, you can't stop simply to see a beautiful body of water or a lizard basking in the sun next to the road. On our trips, it's normal to be „crazy“ and storm every puddle and shrub.



What about if you can't handle boat travel and car travel?

If you are unable to handle boat travel or car travel, you can use medication against travel sickness. Read the trip description carefully in order to determine whether there is a lot of boat travel and car travel.



How good are the chances of taking part?

If JBL receives more applications than there are spots by the deadline that has been set, unfortunately, a draw must decide. Prospective participants who have not yet taken part in a JBL Expedition are given priority over former participants. Looking back, we can confirm that every applicant had a chance of over 60 %.





Expedition 2001

Sulawesi/Indonesia



Back when Sulawesi shrimp weren't popular yet, the first JBL Expedition led to the island of Sulawesi in the Indo-Pacific Ocean. The base that was selected for the group's activities was near the city of Manado located in the far north of the island.

The primary goal consisted of saltwater research in the Bunaken National Park with coral reefs counted among the most beautiful in the world and boasting the greatest diversity of species.

This first expedition was aimed at determining all of the saltwater parameters on site. A second goal consisted of investigating the water parameters and fish fauna of freshwater lakes in the region.



Bunaken National Park

Salt water

| | Depth of 5 m | Depth of 10 m | Depth of 20 m | Depth of 30 m |
|---------------------------|--------------|---------------|---------------|---------------|
| Temperature (°C) | 29,7 | 29,7 | 25,0 | 24,0 |
| pH | 8,17 | 8,13 | 8,08 | 8,10 |
| Carbonate hardness (°dKH) | 7 | 7 | 7 | 7 |
| Calcium (mg/l) | 420 | 400 | 400 | 400 |
| Magnesium (mg/l) | 1200 | 1200 | 1200 | 1200 |
| Oxygen (mg/l) | 7,5 | 7,3 | 7,0 | 7,1 |

Freshwater biotopes

| | Lake Seper | Lake Uluna | rice field | Ronuanco River |
|----------------------------|------------|------------|------------|----------------|
| Temperature (°C) | 30,2 | 25,0 | 35,0 | 29,2 |
| pH | 8,45 | 6,30 | 6,60 | 7,60 |
| Carbonate hardness (°dKH) | 4 | 3 | 3 | 5 |
| Oxygen (mg/l) | 7,8 | 7,8 | ? | 7,5 |
| GH (°dGH) | 3 | 3 | 3 | 4 |
| Conductivity value (µS/cm) | 144 | 300 | ? | 290 |

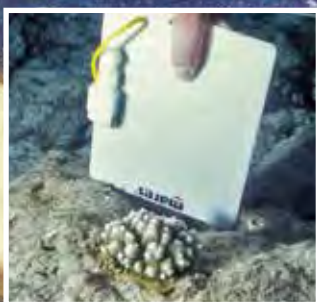


Expedition 2002

Sri Lanka & Maldives



We always try to cover both fields, fresh water and salt water, on our expeditions. Due to the fact that the ocean of Sri Lanka can become very murky within a few hours, we only did the section concentrating on the rain forest and fresh water there and then flew over to the Maldives nearby to measure coral growth in natural surroundings. The high seawater temperatures of 36 °C in 1998 caused by the El Niño phenomenon killed all of the coral down to a depth of around 8 m. Therefore, we were able to determine growth accurately 4 years later and find out that stony coral (madreporarians) grow faster in an aquarium under ideal conditions.





Expedition 2004 French Guyana & Caribbean

French Guyana offers an opportunity to penetrate deep into the rain forest and spend the night outdoors safely at the same time. This is not the case everywhere in South America. Accordingly, we were able to spend a few days and nights right next to a river in the Amazonian lowlands and record 24-hour trends of temperatures and air humidity. Astonishingly, air temperatures dropped down to 22 °C.

In the Caribbean, we unexpectedly had an opportunity to experience a hurricane with its effects on the reefs live. Hurricane Jeanne developed from a tropical storm into a hurricane right in front of our eyes and conjured a nifty JBL green tint on the faces of our team on the diving ship. We were able to observe how the uppermost sections of the reef were damaged directly by the storm, and indirectly as well by uprooted trees that were drifting in the ocean. A famous marine biologist once said: "A reef roof won't grow until it has been damaged." This highly provocative statement is actually not wrong, although, of course, it does not give people a carte blanche to damage natural reefs!



Workshop 2005

Red Sea, Egypt



80 persons travelled to Marsa Shagra with the JBL Research Team in order to carry out seawater research under scientific guidance right in the reef. Shark researcher, Dr. Erich Ritter, came from Florida expressly to give a lecture on the body language of sharks to all of the participants. The following day, the scuba divers were able to try out what they had learned with oceanic whitetip sharks right on the Elphinstone Reef.

The water analyses were aimed at determining whether marine water parameters differ in different areas, among other things. Water samples were taken from near the beach, at the surface and at a depth of 30 metres, as well as from reefs that were distant from the coast, and analysed for this purpose.



Expedition 2006

South Africa & Lake Malawi

The southern most coral reef of the world lies off the east coast of South Africa. We found the water temperature here to be 17 °C, which is lower than the minimum temperature indicated for coral reefs in the literature (20 °C). The world's most famous shark researchers were there with us, so that we were able to listen to personal lectures on the various species of sharks by Dr. Erich Ritter, Andre Hartmann and Andy Cobb. We were then able to see all of these sharks in their natural surroundings during our dives and from a cage. This is where the friendship with the shark protection organisation, SharkProject, began, which JBL has been supporting ever since.

While at Lake Malawi, our primary goal was to do water analyses, while our second goal was to do feeding experiments right under the water and on cichlids that had just been caught in Stuart Grant's export station. We found that grazing cichlids such as *Pseudotropheus* prefer carnivorous food if it is offered to them. It was also interesting to discover that green algae are only found down to a depth of 50 cm and that blue-green algae and diatoms predominate below this, so that they form the primary food of grazing cichlids.



Workshop 2007

Negros/Philippines

The friendship with Georg, the owner of two lodges in the Philippines, made it possible to keep the price of the workshop below € 1,000. 82 participants analysed, observed and experimented in the ocean and the rain forest of the island of Negros for one week. The trip into the rain forest, which fully lived up to its name, was an unforgettable experience for several participants. A normal tropical rain shower caused the water levels of the streams to rise so high that bridges were under water and our group prevented from traveling for a number of hours.

The underwater fauna off of Apo Island was especially impressive. The coral formations and colours were among the most beautiful that even the most experienced divers had ever seen.





Expedition 2009

Amazonia & Pantanal



We rode on the Rio Negro, the black water river with clear tributaries, for one week before we reached where it flows into the Amazon River at Manaus. We examined the black water, which is hostile to life and had an immeasurable hardness and a pH level of 4. In this water, we were barely able to catch any plankton with our plankton net. Only the river dolphins and the red neon appeared to feel comfortable here.

We left the cloudy white water of the Amazon and the tea-coloured water of the Rio Negro behind us and continued on to the clear water rivers of the Pantanal. Here, we were able to observe fish with a visibility of over 50 m under water, as though they were in an aquarium. Encounters with piranhas and freshwater rays were definitely highlights.



Workshop 2010

Tanzania & Lake Tanganyika



76 participants took the opportunity to get to know very diverse African habitats in 13 days. Rain forest, tropical dry forest, savannah, steppe, mountains, streams and lakes, and, as a grand finale, Lake Tanganyika were all on the program. Cichlid specialist, Dr. Stefan Koblmüller, and some other participants were able to catch a species of cichlid that was considered extinct alive in a stream near Mt. Meru and identify it. Terrarium enthusiasts, in particular, were able to measure the surface temperature of rocks and wood with laser metres for the first time in order to offer animals optimal conditions in captivity.

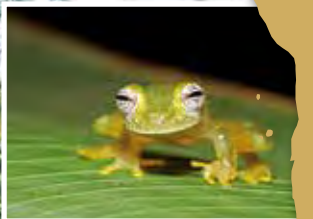


Lake Tanganyika, which already presented almost all of the cichlids known from aquariums near the shore, was definitely a highlight. The scuba divers then also had an opportunity to observe *Cyphotilapia frontosa* in their natural habitat at a depth of 20 to 45 m. The logistics for this workshop were a real challenge: They ranged from organising an air-plane that all of the participants and their luggage could fit into (freshly bought, unpainted Boeing of Air Tanzania) to the transport of compressed air cylinders by truck across Tanzania from Mount Kilimanjaro to Lake Tanganyika.



Expedition 2012

Central America & Galapagos

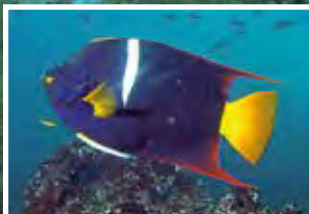


In Costa Rica, we had to learn that it was more difficult to find the famous red-eyed frogs than we had imagined. We were on the exact river where they lived, we could hear them, but we couldn't find them, not even after many hours of search by night!

We dove deep into the Mexican cenotes in search of the Mexican blind cavefish. The longest cave system in the world with a length of several hundred kilometres belonged to the most fascinating biotopes we had ever seen.

We were able to find shrimp in Lake Nicaragua, even though they weren't as pretty as the ones in Sulawesi.

Our trip culminated with an absolute highlight: the Galapagos Islands in the Pacific. These extraordinary islands, which had already inspired Charles Darwin to come up with his theory of evolution, offered a true emotional adventure for every nature enthusiast. All the way from observing the giant tortoises, to unique marine iguanas and to hammerhead sharks and mantas, our days were filled with unmatched experiences of nature. Even if they weren't all truly relevant for aquarium keeping, they did offer an incredibly intensive motivation to preserve nature.





Workshop 2013

Vietnam



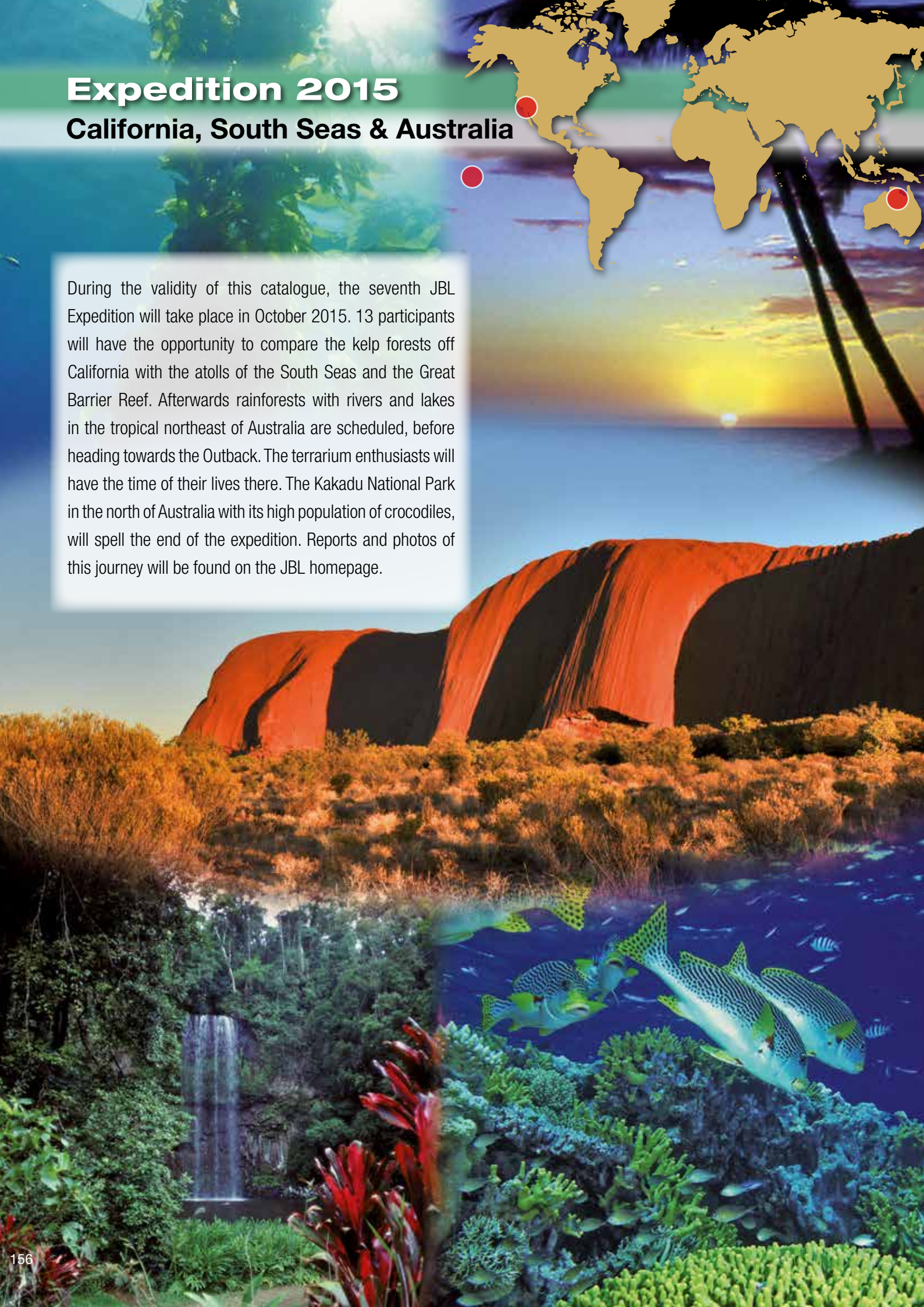
70 nature lovers had 10 days to explore the region around Nha Trang in the rainforest, the desert and the offshore coral reef. Everyone was thrilled by the clear mountain rivers with gobies and loaches, the waterfalls with hillstream loaches and the jungles with many interesting snakes. More dangerous were the slippery stones in the rivers they had to cross in order to penetrate deeper into the wilds. But it was worth it. They were rewarded with intensive natural experiences, extensive biotope data and for the first time water current measurements.



Expedition 2015

California, South Seas & Australia

During the validity of this catalogue, the seventh JBL Expedition will take place in October 2015. 13 participants will have the opportunity to compare the kelp forests off California with the atolls of the South Seas and the Great Barrier Reef. Afterwards rainforests with rivers and lakes in the tropical northeast of Australia are scheduled, before heading towards the Outback. The terrarium enthusiasts will have the time of their lives there. The Kakadu National Park in the north of Australia with its high population of crocodiles, will spell the end of the expedition. Reports and photos of this journey will be found on the JBL homepage.



Expedition 2016

Venezuela / South America



Accompany our JBL research team to the fascinating South American country Venezuela. Research under scientific supervision the habitats of our ornamental fish and terrarium animals. Experience the gorges of the tabletop mountains and the Orinoco Delta, the second largest river in South America.



Day 1:

We fly by scheduled flight from Frankfurt to Caracas, the capital of Venezuela. Participants from other countries than Germany can of course also directly fly to Caracas. From Caracas we take a connecting flight to Maturin, the tropical heart of the country. After a short bus trip to the Orinoco we continue by boat to the Orinoco jungle camp, which is situated in the midst of the Orinoco Delta, surrounded only by rainforest and the occasional Indio hut. Dinner in the camp. Overnight stay in open huts under mosquito nets. Toilets, showers and electricity are available. These days and nights in the rainforest will be so impressive and close to nature that you will never ever forget them! (Don't worry about the creepy-crawlies! Animals avoid direct contact with humans and the mosquito nets will keep the vermin away).



Day 2:

The large participant group will be divided into smaller teams, who will alternately explore the different habitats. Team 1 starts by exploring the surroundings of the camp with double canoes after breakfasting together. We will be able to start observing caimans and rare animals there because the camp is situated undisturbed by the river in the middle of the rainforest. Swimming and snorkelling are possible. Underwater visibility is extremely limited, however. Meanwhile teams 2-6 will be travelling to various sites in the Orinoco Delta and to visit the habitats there. Lunch boxes while travelling or in the camp. Dinner is always in the camp. Afterwards an evening lecture from a scientist on the relevant biological subjects around that day's field of research. An optional nocturnal canoe tour.



Day 3:

In all likelihood you will be woken up by howler monkeys at sunrise. After breakfast each of the 6 teams will drive to different biotopes again, where light, UV, temperature, humidity and water measurements will be carried out. In freshwater the programme will also cover water current and light measurements under water. Each participant will have the opportunity to catch fish and other animals to identify them afterwards (hatchet fish, cichlids, knife-fish, shrimps, lizards, spiders, snakes etc.). The animals will be released into their habitats afterwards. Anyone interested in ornithology will love the boat trips: parrots, red ibises, hummingbirds, hoatzins, toucans and weaver birds are there to observe every day. Meal and evening programme as the day before.



Day 4:

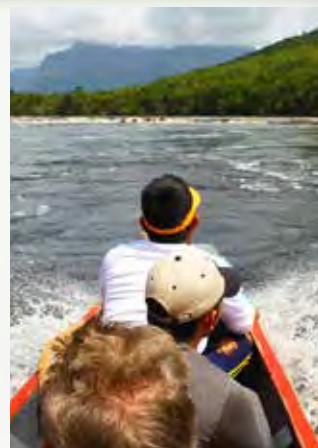
After breakfast at around 8am we're going for a walk in the jungle. The Indios will show us how to survive in the jungle: drinking water out of lianas; eating palm hearts from the inner parts of the trees, getting maggots out of the wood to eat them (if you like) and other mind blowing activities most people only see on TV. Furthermore we will drive by boat to a blackwater river, home to at least 4 piranha species. Here we can catch piranhas and go snorkelling (piranhas don't usually bite snorkelers). Visibility in blackwater is much better than in the main stream, so we will have the chance to observe many different fish species under water too. Meal and evening programme as the day before. Every evening 2 teams will have the opportunity to carry out a guided night expedition because the nocturnal fauna is at least as impressive as the daytime fauna. End of the Orinoco part of the expedition and packing for the second part "tabletop mountains" in the evening.





Day 5:

In the morning we will travel by boat, bus and plane into the deep south of Venezuela, where the famous tabletop mountains with the world's highest waterfall (Salto Angel) are situated. After our landing in Canaima we will have a 4.5 hour boat trip up the river through rapids, passing through sensational landscapes, heading deep into the gorges of the unbelievable tabletop mountains to Salto Angel. There we will spend the night in hammocks in a simple jungle camp (toilets, electricity for a few hours and water available) with a view of the impressive waterfall. Dinner in camp. Mosquito nets are not necessary here.



Day 6:

The first half of the 6 teams will take a walk lasting about 1.5 hours to the lake at the foot of the Salto Angel (strenuous walk with some climbing). In the lake lives a (unknown?) catfish species, which we will observe while snorkelling. The walk through the unspoilt jungle is another great experience. The view onto 1000 metres of free falling water is mind blowing. When we've spent enough time at the waterfall it's back to the camp again (about 1.5 hours). The other half of the team will explore the local biotopes of the surrounding camp area. Please take snorkel and diving goggles along because the water of the river is crystal-clear (and brown-coloured from iron). You will be able to observe cichlids, tetras and further species here like in an aquarium. Anyone planning to be out at night should definitely wear long rubber boots as protection against snakes, because this is the home of the likes of poisonous pit vipers, which will not be afraid of you. After dusk the participants can take part in night expeditions in the surrounding area in their teams.



Day 7:

Today we turn the program upside down and the teams swap destinations. They won't all meet up in the camp again until evening. This evening the teams will also have the chance to explore the jungle and the river in teams, at night and without supervision.



Day 8:

After breakfast we will start with the return journey. Downstream the boats are a bit quicker, so we will reach Canaima with its picturesque lagoon and waterfalls in about 3 hours. We'll go on a short hike behind the waterfalls at the lagoon and stay the last night in Canaima. Final presentation about the results of the expeditions and awarding of certificates to every participant.



Day 9:

On the departure day we'll have breakfast together before we fly back to Ciudad Bolivar (with a beautiful view of the Gran Sabana and the tabletop mountains) and onto to Caracas before we catch the long haul flights to our home countries.



Travel period: mid to late April 2016

Duration of expedition: 9 days

Suitable for: all naturelovers, focus on freshwater and herpetology (no saltwater).

Features: a long walk to the world's highest waterfall (3 h both ways)

Overnight stay in hammocks (tabletop mountains) and open huts (Orinoco).

Costs: approx. € 1700.-. Precise travel price will be fixed mid 2015.

Number of participants: 50

JBL Expedition Venezuela

Application Form for the 12. JBL Expedition 2016 (Deadline: 01.08.2015)

By sending in this form you are formally applying for a place in the expedition. Should we receive more applications than there are places available, we will draw lots. All applicants will receive a written response by 15.08.2015. If you are accepted, the tour operator will contact you shortly afterwards. The tour operator will also give you the travel contract, and inform you about the exact flight times and the airfare. For important issues please contact the Head of Expedition Heiko Blessin +49 (0) 62 36-41 80 390, email: heiko.blessin@jbl.de

First name: _____ Surname: _____

Gender: _____ Date of birth: _____

Current occupation: _____

Street: _____

Post code and town: _____

Country: _____

Tel.: _____ T-shirt size: _____

Email: (important!): _____

Please stick your photo
here, with your name on
the back of it!

☐ I would like to fly from Frankfurt with the group. The price for the JBL expedition from Frankfurt is approx. € 1700
(the exact travel price will be fixed mid 2015).

☐ I would like to organize my flights myself. The price for the expedition without flights is available on request from the tour operator.

Not included in the travel price are: Tips, drinks, travel cancellation insurance, airport charges, National Park Canaima fee.

☐ I am aware that we will sleep in simple huts and hammocks.

My main interest is: ☐ Aquatics ☐ Terraristics (for putting together teams)

☐ I will have a valid passport on the day of departure with at least 4 free pages, and the passport will be valid for at least 6 months from the day of departure.

I speak the following languages: ☐ German ☐ English ☐ French ☐ other:

I am committed to finding out about any necessary vaccinations myself (Tropical Institute).

I am physically fit (6 km hiking tour) and don't have any cardiovascular problems: ☐ Yes ☐ No

☐ I work in the pet shop industry, at..... as.....

☐ I don't work in the pet shop industry, but am interested in aquatics / terraristics

I have previously participated in the following JBL Workshop/Expedition:

I have previously been unsuccessful in my application for the following JBL Workshop/Expedition:

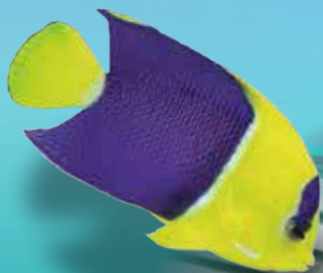
I would like to participate because ... (one sentence only!):

With my signature I commit myself formally to registering for the 12th JBL Expedition Venezuela 2016.

Place/date/signature:

JBL

forward thinking · reliable · loyal to specialist retailers



Joachim Böhme
founded the company,
JBL, in Ludwigshafen in 1960.
Over a period of 55 years, the small
family business has developed into one
of the leading suppliers of the aquarium,
terrarium and pond trade.

Today JBL exports to over 65 countries and, with
over 1000 articles, has one of the largest ranges of
aquarium products in the world.

In the plant Neuhofen/Pfalz, where the expanding com-
pany has been located since 1984, production is focused
on fish food and water care products.



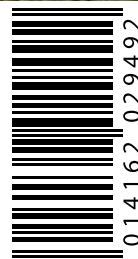
JBL GmbH & Co. KG
Dieselstraße 3
67141 Neuhofen
Germany

Phone:
Tel.: +49 (0) 6236 4180-0
Fax: +49 (0) 6236 4180999

Export Sales:
Tel.: +49 (0) 6236 4180200
Fax: +49 (0) 6236 4180201

E-Mail: info@jbl.de
Internet: www.jbl.de

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