

AQUARIUM TERRARIUM





LANGUAGE





Dear Friends of JBL,

We have made a start on two aims for 2016. The entire JBL ProFlora CO₂ concept has been completely revised and, in line with the trend towards very small aquariums, we have developed a mini filter with an outstanding filter performance which belies its size. And, apart from putting a great deal of effort into product development, we are also constructing a new 2000 $m^{\scriptscriptstyle 2}$ hall for food production.

This means that you will be able to look forward to us introducing a completely new food concept in 2017.

PRO JBL

PRO JBL

pH-Se

U 501 CO,-DÜNGEANLAGE

PRO **JBL** Flora

CO,-DÜNGEANLAGE

CO₂-FERTILISER SYSTI

PRO Flora

JBL

m 504

CO2-DÜNGEANLAGE

CO2-FERTILISER SYSTEM

SYSTÈME DE

ERTILISATION AU

We plan to produce the world's best fish food!

Cordially,

Sund Pote

Roland Böhme

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!

SER



Table of contents



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

128

Aquarium

Food	8-24
Novo Range	8
Artemio	18
PlanktonPur	19
Premium	21
Vitamins	24

Care products	26-41
Water Conditioning	26
Algaecide	31
Remedies	34
Fertiliser	38
ProScape	41

Technic	42-75
CO ₂	42
Light	53
UV-C	58
Heating / Cooling	60
Air pumps	62
Filters/Pumps	65
Automatic Feeder	75

Accessories	76-108
Filter media	76
Water test	85
Cleaning	90
Cleaning magnets	93
Fish nets	94
Tube/Fitting/Succer holder	95
Accessories air	98
Artemio	102
Breeding	103
Small parts/Snail trap	103
Thermometer	104
Silicone & glue	105
Underlay	105
Installation & maintenance	105
Installation & maintenance of ProScape	107

Decoration	110-113
Substrate	110
Aquarium background glue	113
Cocos Cava	113
Roots	113

Terrarium

Food	114-118
Turtles/Terrapins	114
Tortoises	115
Reptiles	115
Vitamines/Minerals	118
Care products	119
Technic	120-125
Light	120
Heater	125
Miscellaneous	125
Accessories	126-130
Miscellaneous	126
Cleaning	127
Decoration/protection	127

Promotion Material

Substrate

Promotion Consumer	133
Promotion Shop	136
Shop System	137
JBL Expedition Report 2001-2018	139



New items 2016

Aquarium

Food	
JBL Display PlanktonPur	20

Technic

JBL ProFlora Bio80 eco 2	<mark>42</mark>
JBL ProFlora Bio80 2	42
JBL ProFlora Bio160 2	42
JBL ProFlora BioRefill 2	42
JBL ProFlora u501	43
JBL ProFlora u502	43
JBL ProFlora u500 2	43
JBL ProFlora u500 2 (3x)	46
JBL ProFlora u001 2	46
JBL ProFlora Adapt u-m 2	46
JBL ProFlora m501	47
JBL ProFlora m502	47
JBL ProFlora m503	47
JBL ProFlora m2003	47
J <mark>BL ProFlora m500 SILVER</mark>	48
J <mark>BL ProFlora m2000 SILVER</mark>	48
JBL ProFlora pH-Control Touch	48
JB <mark>L pH-Sensor+Cal</mark>	48
JBL ProFlora Cal 2	49
JBL ProFlora Taifun P NANO 2	50
JBL P <mark>roFlora Taifun S5 2</mark>	50
JBL Pr <mark>oFlora Taifun M10 2</mark>	50
JBL Pro <mark>Flora Taifun Extend 2</mark>	50

JBL Proflora Direct	50
JBL Proflora Direct Membrane 12/16,16/22,19/25	50
JBL ProFlora v002 2	50
JBL ProFlora m001 2	51
JBL ProFlora m001 duo 2	51
JBL ProFlora Stand 2	51
JBL ProFlora T3 2 (CO ₂ hose)	51
JBL ProFlora CO ₂ Count Safe 2	51
JBL ProFlora SafeStop 2	51
JBL ProCristal UV-C 5 W	58
JBL ProCristal UV-C 11 W	58
JBL ProCristal UV-C 18 W	58
JBL ProCristal UV-C 36 W	58
JBL ProCristal QuickConnect	58
JBL ProAir a50	62
JBL ProCristal i30	70
JBL ProCristal i30 FilterModul	73

Accessories

JBL ProCristal i30 FilterSponge	79
JBL SuperClear ProCristal i30	81
JBL GreenStop ProCristal i30	81
JBL AlgaePrevent ProCristal i30	81
JBL Display EasyTest 6in1	89
JBL Display ProScan +Recharge	89
JBL ProFlora T3 2 (CO ₂ hose)	95
JBL Pro <mark>Scape Tool Bag</mark>	108

for saltwater

宣

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 Neuhofen. 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.



JBI.

NATURAL FOOD

Plankton



Hauptfutter für Aquarienfische

Staple food for

aquarium fish

JBL Neisenstein Rate soage	 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. So raw ingredients in 7 different flakes. Phosphate contents precisely balanced for reduced algae growth and optimal fish growth. 	Art. no. 30120 30130 30140 30154 30159 30155	Content 100 ml 250 ml 1000 ml 5500 ml 10,5 l 12,5 l	Weight 18 g 45 g 190 g 950 g 1995 g 2100 g	12	
REDECT CONTROL	 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. 30141	Content 750 ml	Weight 135 g	UP 12	
A DESTRUCTION OF THE DESTRUCTUON	 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. 23171	Content 60 ml	Weight 16 g	UP 6	
ADDREES CONTROL OF CON	 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. 30180	Content 1000 ml	Weight 160 g	UP 3	
JBL Decore National N	 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. 30156 30157	Content 100 ml 250 ml	Weight 18 g 45 g	UP 6 6	

Food > Novo Range > For all species / granulate



o Range > For all species / granula	te				
 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. 30100	Content 100 ml	Weight 42 g	UP 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. 30099 30111	Content 100 ml 5500 ml	Weight 42 g 2400 g	UP 6 1	





West BELde	JBL Nano-Mix	Art. no.	Content	Weight	UP	
Control Mancontrol Haupfutter	 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. 	23174	60 ml	32 g	6	
	JBL NovoGranoColor mini CLICK	Art. no.	Content	Weight	UP	
	 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 cml 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. 	30098	100 ml	43 g	6	
	JBL NovoGranoColor mini Bofill hav for GranoColor mini food diapanaar	Art. no.	Content	Weight	UP	
	 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. 	30097	100 ml	43 g	6	
	JBL NovoGranoMix CLICK	Art. no.	Content	Weight	UP	
	 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. 	30101	250 ml	115 g	6	
	JBL NovoGranoMix	Art. no.	Content	Weight	UP	
You	 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. 	30102	250 ml	110 g	6	
	JBL NovoGranoColor CLICK	Art. no.	Content	Weight	UP	
CICR CHERCE CONTRACTOR TRIGUE TOGOT	 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. 	30104	250 ml	107 g	6	
	JBL NovoGranoColor	Art. no.	Content	Weight	UP	
Cremerce Solor Boort You Tube	 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. 	30105	250 ml	120 g	6	

9

•	 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. 30313 NOTE! This product is label.	Content 250 ml	Weight 100 g h English/Chines	
•	JBL NovoBits Refill pack without click dispenser lid. • The dosing cap can easily be screwed on to the 250 ml container.	Art. no. 30314 30315 30318 30316 NOTE! This product is label.	Content 250 ml 1000 ml 10,5 l 12,5 l	Weight 100 g 450 g 4620 g 5500 g	

Food > Novo Range > For all types / freeze dried

	 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. 30260 30270	Content 100 ml 250 ml	Weight 8 g 20 g	UP 6 6	
JBL OPEX Ex Ex Ex Ex Ex Ex Ex Ex Ex Ex Ex Ex Ex	 JBL NovoFex. 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. 30620 30630	Content 100 ml 250 ml	Weight 10 g 30 g	UP 6 6	
JBL Dáph Ilen	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. 30700	Content 100 ml	Weight 9 g	UP 6	
JBL YEYAio	 JBL NovoArtemio Vacuum freeze-dried artemia salina THE favorite food of almost all aquarium fish in mid-sized chuncks 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 chuncks of food can be pushed under water so that they loose their upward force. 	Art. no. 30263 30264	Content 100 ml 250 ml	Weight 6 g 18 g		



宜

Å

R

Ar



NFect

JBL **Pleco**

Pleco X

You Tube

You Tube

JBL NovoTab	Art. no.	Content	Weight	UP
 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. 	30230 30240 30245 30201 30246	100 ml 250 ml 1000 ml 10,5 l 12,5 l	60 g 160 g 640 g 5880 g 7000 g	12 6 3 1 1
JBL Nano-Tabs	Art. no.	Content	Weight	UP
 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. 	23177	60 ml	36 g	6
JBL NovoFect	Art. no.	Content	Weight	UP
 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. 	30247 30248 30249 30261 30250	100 ml 250 ml 1000 ml 10,5 l 12,5 l	58 g 160 g 640 g 5880 g 7000 g	12 6 3 1 1
JBL NovoPleco	Art. no.	Content	Weight	UP
 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 testet. 	30310 30311 30312 30309	100 ml 250 ml 1000 ml 5500 ml	53 g 133 g 530 g 2900 g	6 6 3 1
JBL NovoPieco XL	Art. no.	Content	Weight	UP
 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. 	30341 30342 30343	250 ml 1000 ml 5500 ml	125 g 500 g 2750 g	6 3 1









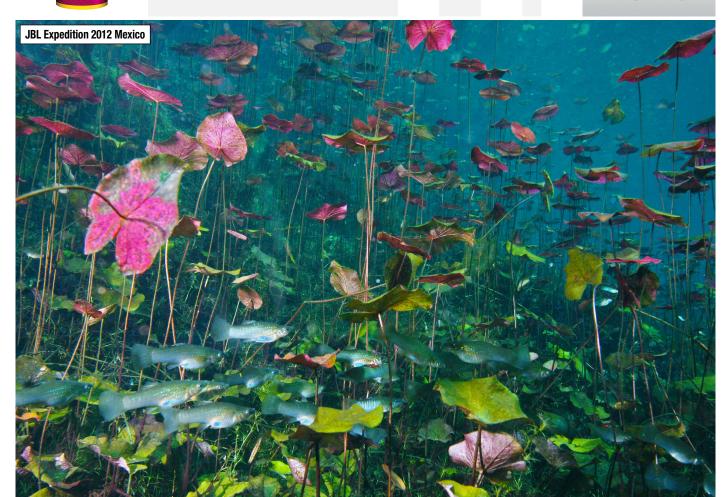




Food > Novo Range > Herbivore

		0					
	You Tube	 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. 30096	Content 100 ml	Weight 40 g	UP 6	
	Cruinfutter Greinford	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. 30095	Content 100 ml	Weight 40 g	UP 6	
	Hand and a second secon	 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. 30190 30195	Content 100 ml 250 ml	Weight 16 g 40 g	UP 6 6	
•	A DEL VELECOV Version Versi	 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 guony breeders. 	Art. no. 30175 30176	Content 100 ml 250 ml	Weight 21 g 58 g	UP 6 6	

First choice for professional guppy breeders.
Dermatologically tested to reduce the risk of allergies to our customers. Does not cloud the water.





IRI. STATER XL

JBL Tanganjika

> JBL Malawi

JBL Noxift

JBL FIOWErmi

	 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. 30289 30290 30291	Content 250 ml 1000 ml 5500 ml	Weight 110 g 440 g 2530 g	UP 6 3 1	
I	 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. 30281 30282	Content 1000 ml 5500 ml	Weight 400 g 2200 g	UP 3 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. 30020 30021 30022	Content 250 ml 1000 ml 5500 ml	Weight 45 g 190 g 950 g	UP 6 3 1	-
	 JBL NovoMalawi For algae-eating Lake Malawi and Lake Tanganyi- ka 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 (Cyanophyceen), and not green algae as often presumed! Does not cloud the water. Dermatologically tested. 	Art. no. 30010 30011 30012	Content 250 ml 1000 ml 5500 ml	Weight 40 g 156 g 860 g	UP 6 3 1	Nov
	 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. 30293 30295 30296	Content 250 ml 1000 ml 5500 ml	Weight 133 g 530 g 2750 g	UP 6 3 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. 30317	Content 250 ml	Weight 110 g h English/Chines	UP 6	
I	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. 30320	Content 1000 ml	Weight 440 g	UP 6	

٠ *











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

Food > Novo Range > Goldfish

	o hange > dolulish					
JBL NOREC Re Record Rec	 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. 30199 30200 30220	Content 100 ml 250 ml 1000 ml	Weight 16 g 45 g 190 g	12	
	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. 30221	Content 750 ml	Weight 130 g h French/Dutch		
direction of the second	 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. 30303	Content 100 ml	Weight 37 g	UP 6	
Biodifische Freidifische Forgalofish	 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. 30299 30300	Content 100 ml 250 ml	Weight 37 g 93 g		
PULICIANCE PULICI	 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	Holdebea



JBL NovoCrabs

JBL Nano-Prawn

healthy growth.

Main food granules for shrimp in nano aquariums

· Professional nutrition for shrimp, with 5% spirulina algae for

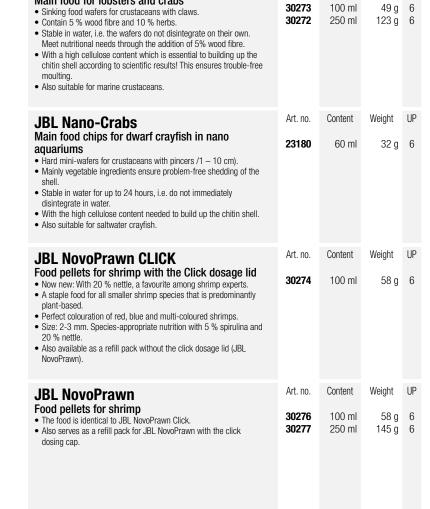
Food pearls keep their shape in water for 24 hours without disintegrating, and therefore do not pollute the water.
For shrimp from 0.5 – 4 cm.

Main food for lobsters and crabs



Prawn

rawr





UP

Weight

Art. no.

Content

Content

60 ml

Art. no.

23183

Weight

35 g 6

UP











Food > Novo Range > Special

*

F000 > N	iovo Range > Special					
	 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. 30283	Content 1000 ml	Weight 440 g th English/Chine	UP 6 se label.	
Banding rise	 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. 30171	Content 100 ml	Weight 25 g	UP 6	
	 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. 23173	Content 60 ml	Weight 15 g	UP 6	
JBL Novoel Martine Mar	 JBL NovoLoti Sinking food pearls for smaller-sized Axoloti Specially formulated food with proteins and fats from aquatic animals and 5% spirulina algae to meet the nutrition needs of smaller-sized axoloti. 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 axoloti. 	Art. no. 30353	Content 250 ml	Weight 150 g	UP 6	
	 JBL NovoLoti XL Sinking food pearls for larger-sized Axoloti 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 axoloti. 	Art. no. 30358	Content 250 ml	Weight 150 g	UP 6	



Food > Novo Range > Holiday & Weekend



Red

end

JBL AutoFood _{Black}

JBL AutoFood _{White}

JRI

Notation

You Tube

JBL

JBL Holiday	Art. no.	Weight	U	Р
 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. 	40310	43 g	1.	2
JBL Holiday Red	Art. no.	Weight	U	Ρ
 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. 	40321	17 g	1.	2
JBL Weekend	Art. no.	Weight	U	Ρ
 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. 	40320	20 g	1:	2
JBL AutoFood BLACK	Art. no.		U	Ρ
 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. 	60615		2)
JBL AutoFood WHITE	Art. no.		U	Ρ
 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. 	60616		2	<u>)</u>
JBL NovoStation	Art. no.	Size	U	Ρ
 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. 	61369	90x90 mm	e	5
JBL Food Clip	Art. no.		U	Ρ
 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. 	63163		6	3

Art. no.

Weight

UP

Ż 12 Weekend Aquarium 11:30 JBL Notation 寬

Food > Novo Range > Breeding diet

	JBL NovoBea	Art. no.	Content	Weight	UP	
	 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. 	30160	100 ml	28 g	6	
	JBL NovoTom Artemia	Art. no.	Content	Weight	UP	
USUAL CONTRACTOR OF CONTRACTON	 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. 	30253	100 ml	60 g	6	
	JBL NovoBaby	Art. no.	Content	Weight	UP	
And the second s	 Breeding-diet set for young fish 3 Food tins containing various grades of diet in a set. 3 foodsizes: Newborns up to 15 mm approx. 15-30 mm from about ca. 30 mm With vital vitamins and inositol, an essential biological component, to strengthen the immune system. 	30254	30 ml	18 g	6	
	JBL NobilFluid Artemia	Art. no.	Content	Weight	UP	2420
JBL WARDEN CONTRACTOR	 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. 	30881	50 ml	54 g	6	JET'S

Food > Artemio > Artemia miscellaneous

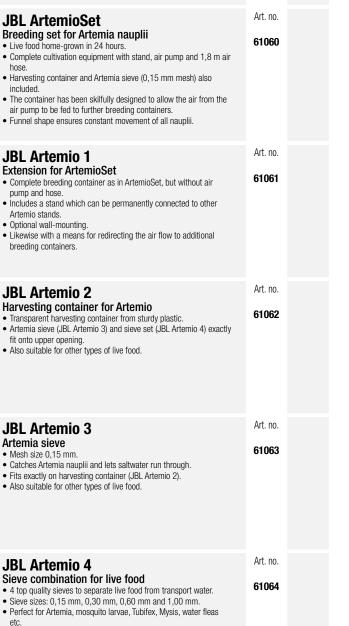
JBL ArtemioMix	Art. no.	Content	Weight	UP	
Artemia ready-mix (eggs/salt) • A ready mix comprised of brine shrimp eggs with salt and micro-algae to feed your crustaceans. • Simply add 3 measuring spoonfuls (included) to 0,5 I mains war Salt contains a buffer system for an optimum pH level of the war The brine shrimp hatch after 24–36 hours. • 230 g ready mix for 14 applications of 0,5 I each.		200 ml	230 g	3	
JBL ArtemioFluid	Art. no.	Content		UP	
 Liquid food for Artemia nauplii Liquid food for Artemia nauplii Liquid food comprised of ultra-fine homogenized phytoplankton (algae) and other vital nutrients for breeding Artemia nauplii. Sin 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. 	nply	50 ml		6	
JBL ArtemioSal	Art. no.	Content	Weight	UP	
 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. 		200 ml	230 g	3	







Artemic Par Per ** Artemic Par ************************************	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.
You Tube Same	
DBU men Artemio Set • trime •	 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.
Artemio 1	JBL Artemio 1 Extension for ArtemioSet • Complete breeding container as in ArtemioSet, but without air pump and hose.



Weight

20 g 6

Content

40 ml

Art. no.

30907

UP

UP

2

UP

2

UP

3

UP

3

UP

3



JR

JBL

Artemio

Artemio

· 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.









Aquarium



 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. Ready to use, fresh and in portions, a 2 g stick contains food for fish in aquariums up to 200 I (5 g stick for > 200 I). High nutritional value (30 mg/g omega-3 and omega-6 fatty acids) and optimum colouring thanks to 20 µg/g natural astaxanthin. 	Art. no. 30031 30033	Content 8 x 2 g 8 x 5 g	UP 6 6	
 JBL PlanktonPur® M Natural food from arctic waters for fish sized 4-14 cm. 100% fresh and pure plankton (crustaceans and molluscs 2 mm in size) without preservation agents. Ready to use, fresh and in portions , a 2 g stick contains food for fresh and saltwater fish in aquariums up to 200 I (5 g stick for > 200 I). High nutritional value (30 mg/g omega-3 and omega-6 fatty acids) and optimal colouring thanks to 20 µg/g natural astaxanthin. 	Art. no. 30035 30037	Content 8 x 2 g 8 x 5 g	UP 6 6	4
JBL Display PlanktonPur Attractive sales display for JBL PlanktonPur. • Content: • 18 x 3003500(80) JBL PlanktonPur M2 • 9 x 3003700(80) JBL PlanktonPur M5 • 9 x 3003100(80) JBL PlanktonPur S2 • 9 x 3003300(80) JBL PlanktonPur S5	Art. no. 30038		UP 1	





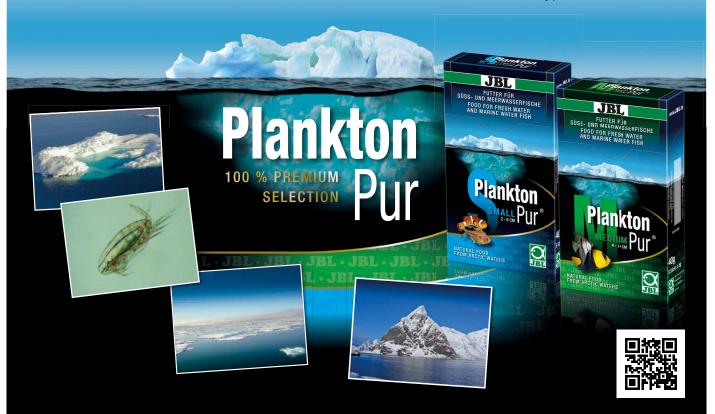
JBL PlanktonPur – a pure natural product from clean arctic waters

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 Plankton-Pur 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.



	JBL Gala	Art. no.	Content	Weight	UP
Fig. Aquarientide For aquarientide Graduature	 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. 	40430 40431 40432 40433	100 ml 250 ml 1000 ml 5500 ml	15 g 38 g 160 g 950 g	6 6 3 1
100	JBL Grana CLICK	Art. no.	Content	Weight	UP
Circle Reduced and the second se	 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. 	40646 40647	100 ml 250 ml	43 g 108 g	6 6
	JBL Grana	Art. no.	Content	Weight	UP
Fir Aquarianter For aquarianter 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. 	40512	250 ml	108 g	6
	JBL Krill Premium class krill flakes	Art. no.	Content	Weight	UP
Für Aquarienfische For aquarienfische For aquarium für	 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. 	40581 40582	100 ml 250 ml	16 g 40 g	6 6





Aquarium





Food > Premium > Discus/Cichlids



JBL GranaDiscus CLICK Premium granules for discus • Semi-floating granules.	Art. no. 40651	Content 250 ml	Weight 110 g	UP 6	
 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. 					
JBL GranaDiscus	Art. no.	Content	Weight	UP	
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.	40520 40521	250 ml 1000 ml	110 g 440 g	6 3	
 Does not colour water. High-quality astaxathin and carotinoids improve the colour definition of fish. 					







	 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. 40655 40656	Content 100 ml 250 ml	Weight 44 g 110 g		
	JBL Grana Cichlid Premium granules for carnivorous cichlids	Art. no.	Content	Weight	UP	
der Inds	 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. 	40562	250 ml	105 g	6	

Food > Premium > Herbivore



Cicl

JBL Spirulina	Art. no.	Content	Weight	UP	
Special flakes for algae grazers in freshwater and saltwater	30004	100 ml	16 g		
 Premium Spirulina flakes with 40 % protein-rich spirulina algae (Spirulina platensis). 	30001 30002	250 ml 1000 ml	40 g 160 g	6 3	
 Spirulina platensis has a protein content of over 65 %! Special features: Ensures perfect acceptance with finely ground whole shrimp (6 %)! 	30003	5500 ml	950 g	1	

Garlic (1 %) promotes the health of the fish.





Ar schelerschuten For Anderschuten For Andersc	 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. 40630 40631	Content 100 ml 250 ml	Weight 58 g 145 g	UP 6 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. 40634 40635 40636 40637	Content 100 ml 250 ml 1000 ml 12,5 l	Weight 58 g 145 g 580 g 6800 g	UP 6 6 3 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 perls for young goldfish and fancy goldfish. Spirulina and carotenoids lead to brilliant colouring! Sinking food perls to prevent the fish from taking in air at the water surface. 	Art. no. 40643	Content 100 ml	Weight 56 g	UP 6	
The period guardeed de volt The period de volt de volt de volt The period de volt de	 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. 40644 NOTE! This product is	Content 100 ml	Weight 56 g h French/Dutch	UP 6 label.	

Food > Premium > Tablet food

	JBL Tabis	Art. no.	Content	Weight	UP
For Aguarieniish For Aguarieniish	 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. 	40600 40620	100 ml 250 ml	58 g 160 g	6 6





Food > Saltwater > For all species

JBL Maris Art. no. Content Weight UP 100% natural ingredients. 90% protein-rich krill flakes. 31020 250 ml 40 g 6 Spirulina algae for fastidious herbivorous fish. Spirulina algae for fastidious herbivorous fish. Art. no. Content Weight UP		UP	Weight	Content	Art no	
Fir Mecresistet • 100 % natural ingredients. 31020 250 ml 40 g 6 For marine fit • 30 % protein-rich krill flakes.					AIL IIU.	
	gredients. 31020 250 ml 40 g 6	6	40 g	250 ml	31020	Für Meeresfischt Für Meeresfischt For marine fil
JBL MariPearls CLICK Art. no. Content Weight UP		UP	Weight	Content	Art. no.	
 Premium granules for marine fish with the Click dispenser Food can with practical click doser. 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. 	40061 250 mi 140 g 6 actical click doser. anular pearls. production process is easy on the marine create a high level of acceptance among ne fish. A low phosphate value leads to less water	6	140 g	250 ml	40661	 dispenser Food can with practical click doser. 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
JBL MariPearls Art. no. Content Weight UP		UP	Weight	Content	Art. no.	
 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. 	anular pellets. Low-temperature production 40591 1000 ml 520 g 3 on the marine ingredients. 10 % seaweed ensures ance by fastidious marine fish. Low phosphate	3	520 g	1000 ml	40591	 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
JBL Korall Fluid Art. no. Content UP	Fiulu Fiulu	UP		Content	Art. no.	
VorallFluir Plankton in liquid form for invertebrates and fish 31000 100 ml 6 fry • Phyto- and zooplankton in suspension. • Essential amino acids ensure healthy growth. • Multivitamin complexes promote resistance against diseases and enhanced colouring. 31000 100 ml 6 3	ankton in suspension. acids ensure healthy growth. plexes promote resistance against diseases and					 fry Phyto- and zooplankton in suspension. Essential amino acids ensure healthy growth. Multivitamin complexes promote resistance against diseases and

Food > Vitamins



Aquarium

JBL Atvitol	Art. no.	Content	UP	
 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 % 	20300	50 ml	6	Diar Titre
availability of the fat-soluble vitamins.				

JBL



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.







Bacteria Starter

Problem solver

JBL

duadu

Mineralie ^{für Weich- un} Minerals

els minéraux

Remedies

JBL

Punktol

Anti white

Care products	>	Water	Conditioning	>	Water conditioner
---------------	---	-------	--------------	---	-------------------

		<u> </u>					
▲ ★		 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. 23001 23002 23003 20032	Content 100 ml 250 ml 500 ml 5000 ml	Range 400 1000 2000 2000	6 3	
▲ ★ ~	A Contraction of the second se	 JBL Biotopol Refill Water conditioner 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. 23005	Content 625 ml	Range 2500 I	UP 6	
•	Viger Sastauteette Filmerkauteette Filmerkauteette	 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. 23101	Content 15 ml	Range 180 I	UP 6	
▲ ★ ~	Biotopol [®]	 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. 23011 23012 250 ml only av	Content 100 ml 250 ml	Range 200 500		Received and the second
	HELL HELL HELL HELL HELL HELL HELL HELL	 JBL Nano-Biotopol Betta 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. 23187	Content 15 ml	Range 180 I	UP 6	
▲ ★ ~	Biotopp)	 JBL Biotopol C Water conditioner for crustacea and shrimp Per laibly 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. 23020	Content 100 ml	Range 400 I	UP 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 inosite strengthen the immune system. An iodine complex prevents iodine deficiency symptoms. 	Art. no. 23071 23072 23073 20056	Content 100 ml 250 ml 500 ml 5000 ml	Range 400 1000 2000 20000	6 3	

Aquarium

	 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. 23066 23067 20055	Content 100 ml 250 ml 5000 ml	Range 400 1000 20000	UP 6 6 1	
human	JBL Catappa XL	Art. no.	Content	Range	UP	
JBL CatappaXL	 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. 	25198	10 Pieces	1000 l	12	
	JBL Nano-Catappa	Art. no.	Content	Range	UP	
Balance Constant and the second secon	 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. 	25199	10 Pieces	300 I	12	







Care products > Water Conditioning > Bacteria starter



JBL Denitrol	Art. no.	Content
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.	23061 23062	100 ml 250 ml



Range

3000 I 6 7500 I 6

UP



Care products > Water Conditioning > Bacteria starter





FilterBoost

JBL FilterStart	Art. no.	Content	Range	UP	
 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. 	25182	10 ml	31	24	
JBL FilterStart Red	Art. no.	Content	Range	UP	
 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 I 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. 	25184 NOTE! This product is	10 ml	3 I		
JBL FilterBoost	Art. no.	Content	Range	UP	
 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. 	25185	25 ml	61	24	
JBL Nano-Start	Art. no.	Content	Range	UP	
 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. 	23110	15 ml	40 I	6	







Aquarium

▲ ★ ↓ ~

寡

•	0					
JBL CalciuMarin CalciuMarin CalciuMarin Calcium Calciu	 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. 24910	Content 500 g		UP 3	
JBL Magnesiu Marin Color Handrick Handr	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. 24911 24912	Content 500 ml 5000 ml		UP 1 1	
JEL Tackar Area Area Area Area Area Area Area Ar	 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. 24914 24934	Content 500 ml 5000 ml	Range 7000 70000		
JBL Tracement For the set Part of the	JBL Trace Marin 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. 24915 24935	Content 500 ml 5000 ml	Range 7000 I 70000 I		
JBL TaceMann Sectors From Sectors From Secto	 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. 24916 24936	Content 500 ml 5000 ml	Range 7000 70000		





JBL Clynol

Clearo

......

OxyTabs

JBL pH-Minus

JBL pH-Plu

*

*

• * *

• • •





	Andrew Construction
_	
	auto
	1111102
	Pflege-ur
	Pflege ur

N a

5				
 JBL PhosEx rapid Phosphate remover in liquid form Removes the algae nutrient phosphate (PO₂) 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 I	6
	25195	250 ml	1000 I	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-harzardous. 	Art. no. 25190 25191 25192	Content 100 ml 250 ml 500 ml	Range 400 1000 2000	UP 6 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. 23031 23032 23033	Content 100 ml 250 ml 500 ml	Range 400 1000 2000	UP 6 6 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 I	6
 JBL pH-Minus	Art. no.	Content	Range	UP
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	23046	100 ml	400	6
adjusted to 4-8 °dKH prior to use. (with JBL AquaDur).	23047	250 ml	1000	6
JBL pH-Plus pH- / KH- increaser • Reliably increases pH and KH. • 10 ml for 40 I water increase the KH by about 1 °GKH. • JBL CalciuMarin should be used to increase KH and calcium in seawater.	Art. no. 23056 23057	Content 100 ml 250 ml	Range 400 I 1000 I	UP 6 6
 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 I	6

















JBL Aquadur Minerals to stablise 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 I by 1 °KH and 1,6 °GH.

Art. no.	Content	Range	UP	
24902	250 g	3000 I	3	



Nater analysis Lake Malawi & Lake Tanganyika (Expeditions 2006 and 2010)																
Lake Malawi	Temp.	KH	GH	pН	NH ₄ /NO ₂ /NO ₃	0 ₂	Conduct.		LakeTanganyika	Temp.	КН	GH	pН	NH ₄ /NO ₂ /NO ₃	0 ₂	Conduct.
1 m depth	25° C	7°	5,5°	8,6	0	8,0	243 µS		Surface	29° C	18°	10°	8,9	<0,05/0/<0,5	8,0	644 µS
42 m depth	21° C	7°	5°	8,5	0	7,5	237 µS		10 m Tiefe	29° C	17°	11°	8,8	<0,05/0/<0,5	8,0	690 µS
		J	BL A	quad	ur Malaw	i/Tar	nganjika	•	Art. no. C	Content	Range	UP		ANTING		
Aquadur			later co ontainii		ning minerals	s for a	quariums		24903	250 g	800 I	3		JBL		



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°.

24903 250 g 800 l 3	Art. no.	Content	Range	UP	ANDING
	24903	250 g	800 I	3	Net of starting and starting an

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

JBL

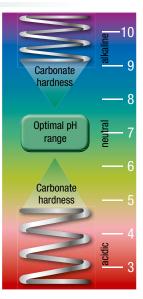
Algor



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.



Care products > Algaecide

JBL Algol	Art. no.	Content	Range	UP	
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!	23022 23023	100 ml 250 ml	400 1000	12 6	
······	Use biocides s Always read th	afely. e labelling and pr	oduct informatio	n before	use.



Recognize diseases and deficiencies in time.



First Aid for your aquarium fish



Gyrodol



Gill fluke infections (gaping, reddened gills)

Microscope view of gill

An effective remedy

1. Gill flukes (Dactylogyrus),

2. Skin worms (Gyrodac-

3. Tapeworms (Cestodae)

flukes

for:

tylus),



Anchor worm

Carp lice

for:

An effective remedy

2. Anchor worms (Lemaea)

3. Gill flukes (Dactylogyrus)

1. Carp lice, (Argulus)

Nedol Plus



Worm infection

Spirohexol Plus



Hole in the head disease

Ektol cristal





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







- 2. Pinworms (Oxyuridae),
- 3. Camallanus worms (Camallanidae) or other nematodes.



Hole in the head disease

An effective remedy for:

1. Hole in the head disease

2. Flagellates (Spironucleus, Hexamita)

JRI









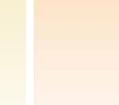




Microscope view of hair worms

An effective remedy for:

- 1. Hair worms (Capillaridae),













JB

Punktol

JBI.

Punktol

Punktoi

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.

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.

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.

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

JBL Online Hospital

JBL Online Hospital

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

Art. no.	Content	Range	UP							
10065	100 ml	1000 I	6							
*For questions on risks and side-effects please read the package insert and ask your veterinary or pharmacist.										



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

Art. no.	Content	Range	UP	
10068	50 ml	12500 I	1	





ad the package

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

Range

10001 6

UP



Content

100 ml

Art. no.

10080





JBL Oodinol 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!



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 I of tank water. Dosage: 10 ml for 25 I of water; in case of repeated treatment 100 ml are enough for a 125 I tank.

Whitish, cotton ball-like films are a symptom of a fungal infection.

Visible fungal infestation is a sign of a secondary infection caused

 Coverage: 750 | of tank water. Dosage: Day 1-10 ml per 80 | of water (Component 1) and Day 7-10 ml per 80 | of water (Component 2); in case of repeated treatment 200 ml are enough

Art. no.	Content	Range	UP	
10076	100 ml	1000 I	3	

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

Art. no.	Content	Range	UP	
10078	100 ml	250 I	6	
10069	100 ml	500 I	6	

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

Art. no.	Content	Range	UP
10063	200 ml	750 I	6

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

Art. no.	Content	Range	UP
10070	20 Tabl.	500 I	4



Aquarium



ungo

JBL Furanol Plus® 250

JBL Fungol Plus® 250 Against fungal infections

by a skin injury.

for a 250 I tank.

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, bloodebt places where the first are attached, on the oill covers
- 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.
- Suited for fresh and salt water.



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.



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.

JBL Gyrodol Plus® 250

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

 10075 200 ml
 500 l
 6

se read the package inser

*For questions on risks and side-effects plea and ask your veterinary or pharmacist.

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

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

Art. no.	Content	Range	UP
10072	100 ml	500 I	3









JBL

Nedol

JBI.

Spirohexol

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!

JBL Nedol Plus® 250

(Camallanidae) and other nematodes.

nematodes!

disease

Spironucleus and Hexamita.

Amount required: 500 I of tank water.

· Coverage: 500 | of tank water. Dosage: 10 ml for 50 | of water; in case of repeated treatment 100 ml are enough for a 250 l tank.

For treatment of roundworms & Camallanus

· Highly effective over-the-counter medication against hair worms (Capillaridae), pinworms (Oxyuridae), Camallanus cotti

• With nematodes only special medicaments like Nedol Plus helps. Remedies against other worm families are not effective against

· Coverage: 750 | of tank water. Dosage: 10 ml / 75 | of water; in

case of repeated treatment 100 ml are enough for a 250 l tank.

	on risks and side eterinary or phari		ead the	package insert
Art. no.	Content	Range	UP	

100 ml

Content

100 ml

Art. no.

10073

10074

Art. no.

10071

UP

Range

500 I 6

7501 3

UP

500 3

Range









	on risks and side eterinary or pharr	ead the	package insert	

Content

100 ml

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

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

Family of parasites	English name	Scientific name	JBL Aradol Plus	JBL Gyrodol Plus	JBL Nedol Plus
Crustacians	Carp lice	Argulus	yes		
Crustacians	Fish lice	Livoneca	yes		
Crustacians	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 eff	ective!	

Aquarium





JBL Ektol cristal®

JBL Spirohexol Plus® 250

For treatment of flagellates & hole-in-head

Effective in treating many species of flagellates such as

· 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.

- 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 mocous membrane.
- Especially with livebearing fish the stability of the fish is supported by adjusting the salt content.

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 CO_2 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

JBL

Ferrona

Nutrient substrate

JBI

Aqua Basis

CO₂-fertiliser systems

PRO **Flora**

II

CO2-DÜNGEANLAGE

CO,-FERTILISER S

RTILISATION A

JBL

NEW

	 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. 23041 23042 23043 20175	Content 100 ml 250 ml 500 ml 5000 ml	Range 400 1000 2000 20000	UP 12 6 3 1
CPATIS 1/175ml	JBL Ferropol Refill	Art. no.	Content	Range	UP
	 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. 	23045	625 ml	2500 l	6
The same in	JBL Ferropol 24 Daily fertiliser for aquarium plants	Art. no.	Content	Range	UP
Jar. Ferropol 24 and a state and a state	 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). 	20180 20181	10 ml 50 ml	10000 50000	6 6
	JBL FerroTabs	Art. no.	Content	Range	UP
	 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 I every 14 days or after fertiliser check (Fe Test set). 	20200	30 Tabl.	750 I	6
	JBL The 7 balls	Art. no.	Content	Ø	UP
DBL	 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. 	20110	ca 70 g	20 mm	12
WW.JBL.dt	JBL The 7 + 13 balls	Art. no.	Content	Ø	UP
A Constant of the constant of	 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. 	20111	ca 200 g	20 mm	6
Florador A	JBL Florapol	Art. no.	Content	Range	UP
JBL lorapol	 Understand State 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 clav. Acts 	20121 20123		50-100 l 100-200	6 1















When setting up a new aquation, this wind the substate and over 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.

Aquarium

*









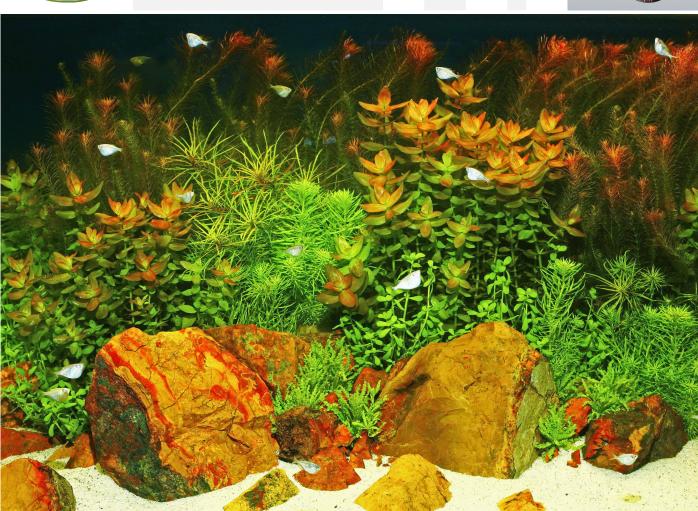
You Tube	 JBL AquaBasis plus Ready-to-use long-term nutrient substrate mixture for new aquariums Does not require mixing with gravel. Contains all essential nutrients such as iron, minerals and trace elements. Clay pellets act as a nutrient store, absorbing excess nutrients and releasing them again as required. Effective for a minimum of 3 years. 	Art. no. 20212 20210		Range 50-100 I 100-200 I		
	JBL Display AquaBasis plus 5 I (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. 20215	Content 75 Pieces		UP 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. 67021 67022 67023 67024 67025	Content 1,5 I 3 I 5 I 10 I 25 I	Range 10 25 50 100 350	6	
UBL ProFiora State	 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. 20217 20218	Content 3 kg 6 kg	Range 50-100 I 100-200 I	UP 8 4	F











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.

















 JBL ProScape Fe + Microelements Basic fertiliser with iron, potassium, magnesium and the complete trace elements 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. 21111 21112	Content 250 ml 500 ml	
 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. 21114 21115	Content 250 ml 500 ml	
 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. 21117	Content 250 ml	
 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 m/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. 21118	Content 250 ml	
 JBL ProScape K Macroelements 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 K Potassium Test Set. 	Art. no. 21120	Content 250 ml	
 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. 21122	Content 250 ml	
 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. 67088	Content 250 g	

UP

3 3

UP

3 3

UP

3

UP

3

UP

3

UP

3

UP

3



Aquarium



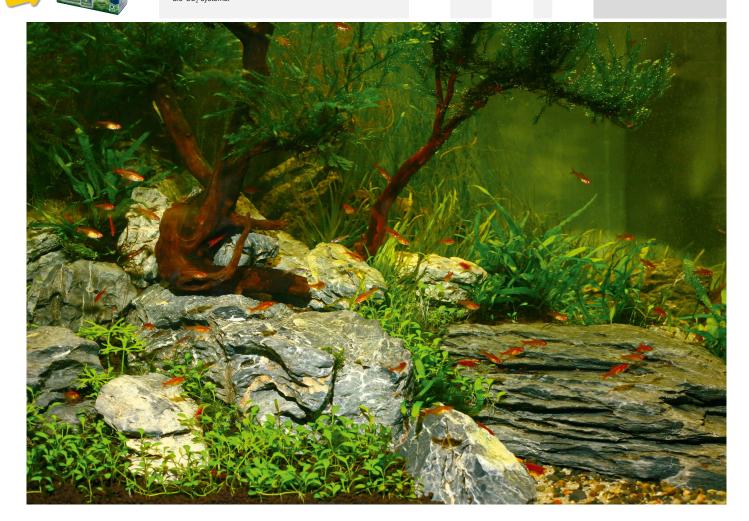








You Tube	 JBL ProFlora Bio80 eco 2 Value for money bio-CO₂ set for luxuriant plant growth Visable success due to luxuriant plant growth – and therefore less algae. Supplies tanks of 12 - 80 I with the basic nutrient for plants, namely carbon dioxide (CO₂), for 40 days. Easy assembly. Ready to use within minutes. Bio-components (JBL ProFlora BioRefill), which will restart the system for a further 40 days, can be purchased individually. 	Art. no. 64449	30-80 I	UP 1	
PRO CIAL FLORA BIO 200 Pro remaining of the second Pro remaining of the second Provide of the second Pro remaining	 JBL ProFlora Bio80 2 Bio-CO₂ set with mini diffuser for plant fertilization Promotes luxuriant plant growth. Even sensitive plants have a visible improvement in growth. Assembly within a few minutes. With a professional mini CO₂ diffuser (JBL ProFlora Taifun P) for fast, loss-free CO₂ enrichment of the water. Supplies tanks of 12 - 80 l with the basic nutrient for plants, namely carbon dioxide (CO₂), for 40 days. Bio-components (JBL ProFlora BioRefill), which will restart the system for a further 40 days, can be purchased individually. 	Art. no. 64448	30-80 I	UP 1	
PROBABILITY OF THE OWNER	 JBL ProFlora Bio160 2 Professional bio-CO₂ kit with expandable diffuser Promotes luxuriant plant growth. Even sensitive plants have a visible improvement in growth. Assembly within a few minutes. With an extendable CO₂ diffuser (JBL ProFlora Taifun S) for fast, loss-free CO₂ enrichment of the water. Supplies tanks of 50 - 160 I with the basic nutrient for plants, namely carbon dioxide (CO₂), for 80 days. Bio-components (JBL ProFlora BioRefill), which will restart the system for a further 40 days, can be purchased individually. 	Art. no. 64446	50-160 I	UP 1	
RUGATION CONTRACTOR OF CONTRAC	 JBL ProFlora BioRefill 2 Refill components for JBL bio-CO₂ systems Bio-components (A and B) for the refilling/reactivation of bio-CO₂ systems. Simply add the complete refill to the reaction container and fill with water. Provides aquariums of 30 – 80 I with the basic plant nutrient carbon dioxide (CO₂) for 40 days. Comes with bio-components A and B for the restart of bio-CO₂ systems. 	Art. no. 64447		UP 6	PRO EDUA Bio monto



Aquarium



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 (CO_2), 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 hose to transport carbon dioxide.

(6) Non-return system (JBL ProFlora SafeStop): This check valve prevents a backflow of aquarium water towards the CO_2 bottle and keeps the technical components dry.

Bubble counter with non-return system (JBL ProFlora CountSafe): Helps you count the added CO₂ amount (countable in bubbles) Carbon dioxide (CO_2) 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 CO_2 fertilising system in the aquarium the CO_2 content is very low and the plant growth is therefore limited.



conveniently and accurately. With a built-in check valve against the backflow of water.

(8) Night switch-off (JBL ProFlora v002): Cuts off the CO_2 supply at night. This saves 50 % CO_2 , because plants only need CO_2 during the lighting phase!

(9) **pH control unit** (JBL ProFlora pH-Control Touch). This pH computer displays the pH value and temperature of your aquarium water. By means of a solenoid valve (JBL ProFlora v002) it automatically controls the CO_2 supply and thus sets the desired pH value. Healthy fish and perfectly growing plants are the result.

(1) CO₂ **reactor** (JBL ProFlora Taifun; Taifun P; Taifun S): The reactor helps the CO_2 gas to dissolve in the water and thus provide nutrition for the plants. No extra pumps are required to operate the JBL reactor.

(1) CO_2 permanent direct measurement (JBL Permanent Test CO_2 plus pH): The liquid in the transparent container indicates the pH value and the CO_2 content of the aquarium water through its colouration. Now you can decide whether to increase or reduce the CO_2 supply.

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

RO JBL ME	JBL ProFlora u500 2 (3x)	Art. no.		UP	
	 3 x CO₂ disposable storage cylinder 500 g (u system) For the CO₂ supply of aquariums. Ready-filled with 500 g CO₂ (carbon dioxide). Height: 29 cm, diameter: 7.5 cm. Thread connection: M 10 x 1. With integrated stand. Extremely safe, tested to 165 bar. 3 x 500 g disposable cylinder with stand, ready-filled. 	64452	3x500 g	1	
	JBL ProFlora u001 2	Art. no.		UP	
PEDERA USA USA USA USA USA USA USA USA USA US	 Pressure reducer for disposable CO₂ cylinders Regulates gas pressure of CO₂ disposable cylinders for the CO₂ fertilization of aquariums. Precision pressure reducer regulates cylinder pressure to 1.5 bar. The amount of CO₂ is adjusted on the fine needle valve. Preset working pressure (1.5 bar) means no need for complicated re-adjusting. 2 pressure gauges display working pressure and cylinder pressure. Using an adapter it also fits refillable cylinder systems. 	64453		1	
PRO DIST	JBL ProFlora Adapt u-m 2	Art. no.		UP	
Adapt 0-50	 Converts the pressure reducer from a disposable to a refillable cylinder system Converts the pressure reducer from a disposable to a refillable cylinder system. The conversion can be reversed at any time. By using a size 6 Allen key (not included) the adapter can be screwed into the JBL pressure reducer within a few seconds. The kit contains 1 x adapter union nut. 	64454		3	

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!



Aquarium

JEW

You

NEW



JBL ProFlora m501

JBL ProFlora m502

JBL ProFlora m503

plants in freshwater aquariums up to 600 l.

plants in freshwater aquariums up to 1000 l.

JBL ProFlora m603

and pH control instrument

aquariums up to 600 l.

switch-off

computer

daude.

CO2 refillable plant fertiliser system complete kit

- CO₂ fertiliser system for the optimal feeding of plants in freshwater aquariums up to 400 l.
- Refillable 500 g reusable cylinder. Simple assembly, no separated water pump required. Can be converted into disposable system. Effective CO₂ distribution due to expandable diffuser. Bubble
- counter with backflow stop. CO₂/pH test. Residual pressure display. TUV certified disposable storage cylinder, pressure cylinder with overpressure relief + stand, hose screw connection.

CO₂ plant fertiliser system (refillable) with night

CO2 fertiliser system for the optimal feeding of plants in freshwater

· Refillable 500 g reusable cylinder. Simple assembly, no separate water pump required. Can be converted into disposable system. • Effective CO₂ distribution due to expandable diffuser. Bubble

CO₂ plant fertiliser system (refillable) with pH

CO₂ fertiliser system with pH control for the optimal feeding of

 Refillable 500 g reusable cylinder. Simple assembly, no separate water pump required. Can be converted into disposable system. · Effective CO₂ distribution thanks to expandable diffuser. With

bubble counter. Residual pressure display at pressure gauge. • TUV certified disposable storage cylinder, pressure cylinder with overpressure relief + stand, hose screw connection, check valve.

CO₂ fertiliser system with pH control for the optimal feeding of

water pump required. Can be converted into disposable system.

counter with check valve. Residual pressure display at pressure

CO₂ fertiliser system with 500 g refillable cylinder

• Complete system with: 500 g $\rm CO_2$ cylinder with stand, pressure reducer, pH control device, $\rm CO_2$ diffuser JBL Taifun 270 mm, 2 metre CO₂ special hose, bubble counter with integrated check

· With pH control device (JBL pH Control), which automatically regulates the CO₂ supply and adjusts to the desired pH level

counter with backflow stop. CO₂/pH test. Residual pressure display. TUV certified disposable storage cylinder, pressure cylinder with overpressure relief + stand, hose screw connection.











valve, KH test.

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

- Complete system with: 2000 g CO₂ cylinder with stand, pressure reducer, pH control device, CO2 diffuser JBL Taifun 430 mm, bubble counter with integrated check valve, 2 metre CO₂ special hose. KH test.
- With pH control device (JBL pH Control), which automatically regulates the CO₂ supply and adjusts to the pH level selected (incl. calibration solution but without pH electrode!).

1	AIL NO.		Range	UP	
	63183	400 I		1	
			P		
1	Art. no.		Range	UP	
	63184	600 I		1	
	Art. no.		Range	UP	
	63185	600 I	-	1	
	03103	0001		I	
	Art. no.		Range	UP	
(63186	1000 I		1	
	Art. no.	Content	Range	UP	
	63022	500 g	600 I	1	
	Art. no.	Content	Range	UP	
(63025	2 kg	1000 I	1	

Art. no.

Range UP





Aquarium











Technic $> CO_2 > Refillable (m)$

Program and a second se	 JBL ProFlora m500 SILVER 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. 63053	500 g	UP 1	
	JBL ProFlora m2000 SILVER 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. 63055	2000 g	UP 1	
	JBL CO ₂ 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 TUV test date is stamped on the cylinder.	Art. no. 63220 63210	Content 500 g 2000 g	UP 1 1	

Technic > CO₂ > ProFlora pH-Control

PRO DELE PLORA PH CONTROL TOUCOU PH CONTROL TOUCOU DELETER DEL	 JBL ProFlora pH-Control Touch Measurement/control computer to control the CO₂/ pH values Automatically regulates pH value and supply of CO₂ with coloured touch display and temperature measurement. Removable mounting bar for wall mounting. Measurement through separately available pH electrode (replacement about once a year). Direct user interface for pH value/temperature sensors. Set pH value and actual pH value identification. Automatic calculation + supply of the required CO₂ amount, alarm function. 	Art. no. 63187	UP 1	
PRO DUA FURA (FM) (FM) (FM) PH-Sensor (FM) (FM) (FM) PH-Sensor (FM) (FM) (FM) (FM) PH-Sensor (FM) (FM) (FM) (FM) (FM) (FM) (FM) (FM)	 JBL pH-Sensor+Cal pH electrode with calibration solution For the JBL pH-Control and other pH measuring and control devices with a BNC connector. Robust high-quality sensor with plastic shaft and gel filling. Individually tested and documented, large protective cap filled with storage solution. 2m connection cable. Kit contains pH sensor and all liquids required for the calibration and storage of pH sensors. 	Art. no. 63188	UP 1	



Aquarium

黨

NEW

*

NEW

寡

brandnew. • 110-240V - 50-60Hz

probes

each)

cuvettes.

electrodes. · Revitalizes electrodes.

cleaning liquid (KCI).

JBL ProFlora pH Control

JBL ProFlora Cal 2

High-End CO₂/pH computer with 15 functions

Calibration, maintenance and cleaning kit for pH

· Contains 50 ml distilled water for rinsing as well as 50 ml storage/

· Comes with solutions pH 7, pH 4, Aqua dest., cleaning solution, 3

Kit is necessary to calibrate pH probes (electrodes).
Contains all the liquids required to calibrate (gauge) the pH electrodes. Contains calibration solutions pH 7 and pH 4 (in 50 ml

 Controls CO₂ supply (integral solenoid valve) keeping levels Automatically calculates optimum pH level for specific KH. Indicates: Water temp., alarm for pH and temp., time to new calibration, electrode status, measuring accuacy, key lock. · Without pH electrode, which should always be purchased



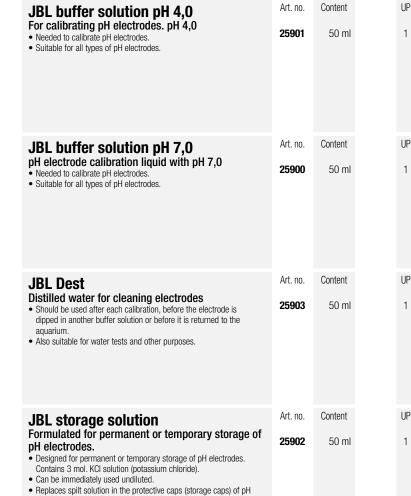






JRI.

JBL-Dest





Aquarium

UP

1

UP

3

1

1

Art. no.

63418

Art. no.

64456











Technic > CO_2 > Diffusion reactors

	Technic	$> 00_2 > DIIIUSION TEactors$			
		 JBL ProFlora Taifun P NANO 2 Mini CO₂ diffuser for aquariums from 20 - 400 I Diffuser for dissoving the plant nutrient CO₂ in the aquarium water. Small, attractively designed CO₂ diffusor with a ceramic diaphragm for consistent enrichment of tank water with CO₂. With special ceramic for particularly small and even-sized CO₂ bubbles. Made of high quality glass, and therefore easy to clean. Fits all standard 4/6 mm CO₂ hoses. Glass diffuser with ceramic diaphragm and fastening suction cups. 	Art. no.	UI 6	
Aquarium	NEW	 JBL ProFlora Taifun S5 2 CO₂ high-performance diffuser "Small" Dissolves CO₂ gas without loss to attain lush plant growth in tank water. Suitable for tanks from 20 cm in height and up to max. 200 litres at 4°KH (till 100 1 at 10° KH). Can be expanded for higher hardness levels or larger tanks. Operates without additional pumps. No separate bubble counter necessary. Can be completely dismantled for easy cleaning (with JBL PowerClean). Diffuser with 5 modules and suction cup, 3 m CO₂ hose. 	Art. no. 64459	UI 3	ALL TRANSPORT
	NEW	 JBL ProFlora Taifun M10 2 CO₂ high-performance diffuser "Medium" Dissolves CO₂ gas without loss to attain lush plant growth in tank water. Suitable for tanks from 30 cm in height and up to max. 400 litres at 4°KH (till 200 1 at 10° KH). Can be expanded for higher hardness levels or larger tanks. Operates without additional pumps. No separate bubble counter necessary. Can be completely dismantled for easy cleaning (with JBL PowerClean). Diffuser with 10 modules and suction cup, 3 m CO₂ hose. 	Art. no. 64460	UI 3	
	PPO COLOR FLORA (LEW) AN Taifun Color Taifun Color Herenaus Extension To Frances To Fran	 JBL ProFlora Taifun Extend 2 Extension modules for the JBL Taifun CO₂ reactor Increases the reach of the CO₂ reactor Taifun for bigger aquariums or harder water. Simply insert between the existing modules to extend the reactor. Increases the capacity by 100 litres at 10° dKH or 200 litres at 4° dKH. Extends the diffusion path of the CO₂ and therefore the efficiency to 50 cm. Set contains 5 extension modules and 1 suction cup with clip. 	Art. no. 64461	UI 3	
	NEW	 JBL ProFlora Direct High performance direct diffuser for CO₂ For an economical and direct plant fertilization with CO₂. Will be directly integrated into the hose, coming from the external filter. With integrated bubble counter for a precise dosage. The check valve prevents water backflow into the CO₂ system. 20 % CO₂ saving due to an especially effective diaphragm for the CO₂ diffusion, made of macromolecular PE material. 	Art. no. 63339 63340 63341	For UI 12/16 3 16/22 3 19/25 3	
	PRO LUIS Chirac Management Chirac Management Chi	 JBL ProFlora Direct diffusion Membrane Beplacement diaphragm for JBL ProFlora direct The diaphragm ensures the finest atomization of the CO₂ in the diffuser. Can be changed in the JBL ProFlora direct in only a few steps. Especially effective diaphragm for the CO₂ diffusion, made of macromolecular PE material. A yearly replacement is recommended. Kit consists of PE diaphragm and 2 seal rings. 	Art. no. 63342	UI 3	
	Technic	$> CO_2 > Accessories CO_2$			
	NEW	 JBL ProFlora v002 2 Noiseless CO₂ solenoid valve (night switch-off) Switches-off the CO₂ supply, when required (e.g. at night or for the pH control), and thus saves up to 50% CO₂. Mounting: cut CO₂ hose and mount in between the valve. Low heat development and no noise emission thanks to a 12 V transformer. Safe due to 12 V extra-low voltage. Contents: solenoid valve with hose lock nuts, transformer with 12 V. 	Art. no. 64463	0	Nu Nu



REEVE	 JBL ProFlora m001 2 Pressure reducer for refillable CO₂ cylinders Precision pressure reducer, regulating cylinder pressure downwards from 60 to 1.5 bar for a safe operation. The desired bubble count (amount of CO₂) is then adjusted on the needle valve. 2 pressure gauges display working pressure and cylinder pressure. A preset working pressure (1.5 bar) means there is no need for complicated re-adjusting (adjustment possible, if required). Can be easily converted to disposable cylinder system (JBL proFlora u). 	Art. no. 64464			UP 1	
You Tube	 JBL ProFlora m001 duo 2 A pressure reducer for the operation of two CO₂ systems 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. To be screwed on to the refillable cylinder and connected to 2 reactors in 2 aquaritums by means of CO₂ hoses. Fits on to disposable bottles (JBL ProFlora u system) too after unscrewing the union nut. 	Art. no. 64465			UP 1	
NEW	 JBL ProFlora stand 2 Provides a steady support for the 500g JBL CO₂ cylinder Stand for CO₂ cylinders, which MUST always be operated in an upright position. For all cylinders with a diameter of 60 mm. Can easily be installed without drilling. Materials: sturdy plastic material. Contents: 1 stand for all cylinders with 60 mm diameter. 	Art. no. 64467			UP 1	
	 JBL ProFlora T3 2 Special hose for CO₂ systems For the CO₂ supply and the connection of individual components of CO₂ plant fertiliser systems. CO₂ has a different diffusion behaviour to air. Therefore air hoses are unsuitable for CO₂ systems. 3 m special CO₂ proof hose. Diameter: 4/6 mm. Fits all common CO₂ systems. Contents: 3 m special CO₂-proof hose. 	Art. no. 64466 63463	Colour black clear	Length 3 m 3 m	UP 3 3	
RUGALING COUNT OF THE	 JBL ProFlora CO₂ Count Safe 2 Bubble counter for all CO₂ systems To monitor the added quantities of the plant nutrient CO₂. Makes the CO₂ gas visible and countable in the form of bubbles. For everyone whose CO₂ diffuser is not visible or who needs an extra bubble counter. Includes a backflow stop. Simply fill with water (removable lid, bayonet with 0-ring). Can be mounted outside the aquarium. With 4 suction cups and 2 screws for optional fixing on the glass or to furniture. 	Art. no. 64469			UP 3	
Ridge and State St	 JBL ProFlora SafeStop 2 Prevents backflow of water in CO₂ systems Protects devices such as CO₂ systems, pH control devices and solenoid valves against backflow of aquarium water. Mounting: cut CO₂ hose and mount in between the valve. For CO₂ hoses of 4/6 mm diameter. Arrow on the valve indicates CO₂ flow direction and thereby the mounting direction. Contents: 1 check valve with 2 hose lock nuts. 	Art. no. 64468			UP 3	
J DI	 JBL Power Clean Cleaner for CO₂ diffuser and aquarium decoration 500 ml concentrate for 1000 ml cleaning solution. For thorough cleaning of CO₂ reactors, decorations and ornaments, heaters, etc. For complete removal of algae films and brush algae on technical equipment or decorations and ornaments. Not suitable for use on plants and other living organisms. 	Art. no. 63530	Content 500 ml		UP 1	

Aquarium

Modelled on nature. The full spectrum of daylight.



Daylight spectrum

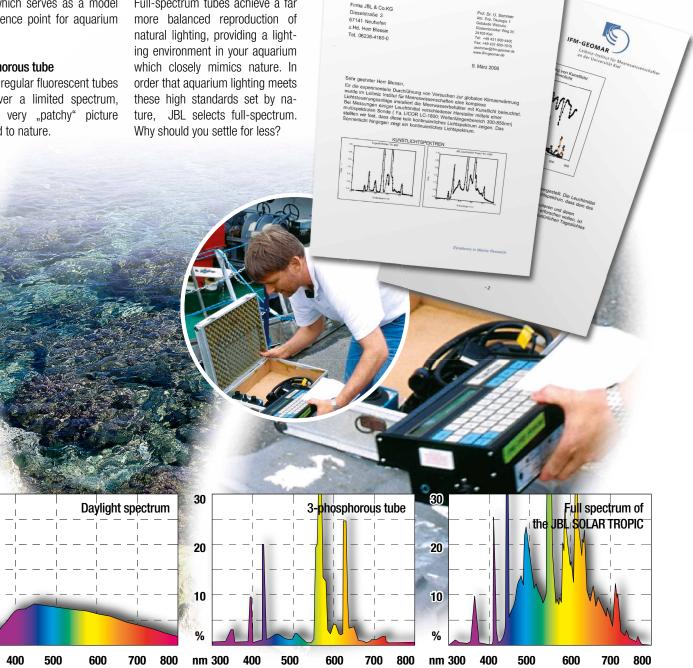
Natural daylight has a balanced system which serves as a model and reference point for aquarium lighting.

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



"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



30

20

10

%

nm 300

Technic > Light > Solar Light tubes T8

 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. 61610 61611 61612 61613 61614 61615 61616	30 W 36 W 38 W	590 mm 742 mm	UP 4 4 4 4 4 4 4	30 20 10 50 300 400 500 600 700 800
 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. 61630 61631 61632 61633 61634 61635 61636	18 W 25 W 30 W 36 W 38 W	Length 438 mm 590 mm 742 mm 895 mm 1200mm 1047mm 1500mm	UP 4 4 4 4 4 4	30 20 10 % nm 300 400 500 600 700 800
 JBL SOLAR COLOR T8 Fluorescent tube for intensive colours in freshwater 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. 61620 61621 61622 61623 61624 61625 61626	30 W 36 W 38 W	Length 438 mm 590 mm 742 mm 895 mm 1200mm 1047mm 1500mm	UP 4 4 4 4 4 4 4	30 20 10 % 300 400 500 600 700 800
 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. 61600 61601 61602 61603 61604 61605 61606	30 W 36 W 38 W	Length 438 mm 590 mm 742 mm 895 mm 1200mm 1047mm 1500mm	UP 4 4 4 4 4 4 4	100 60 40 70 70 70 70 750 800
 JBL SOLAR MARIN BLUE T8 Special blue fluorescent tube for marine tanks, with actinic action spectrum Facilitates coral growth by enhancing the blue range in the spectrum (so-called actinic radiation) which is preferred by zooxanthellae. Ideal lighting for marine aquariums when used in combination with JBL SOLAR MARIN DAY. Can also be used as night lighting to observe noctural animals in fresh water + vivariums. 	Art. no. 61640 61642 61644 61645 61646	25 W 36 W 38 W	Length 438 mm 742 mm 1200mm 1047mm 1500mm	UP 4 4 4 4	30 20 10 % nm 300 400 500 600 700 800
 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. 61590 61591 61592 61593 61594 61595	18 W 25 W 30 W 36 W	Length 438 mm 590 mm 742 mm 895 mm 1200mm 1047mm	UP 4 4 4 4 4 4	30 20 10 % 10 30 400 500 600 700 800
 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. 61650 61651 61652 61653 61654 61655	18 W 25 W 30 W 36 W	Length 438 mm 590 mm 742 mm 895 mm 1200mm 1047mm	UP 4 4 4 4 4 4	30 20 10 % 200 300 400 500 600 700 800



黨

¢,

埬

t

 JBL SOLAR TROPIC ULTRA Sunlight full-spectrum tube for aquarium plant (standard lengths) 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. 61681 61682 61683 61684			UP 4 4 4 4	30 20 10 % mm 300 400 500 600 700 800
JBL SOLAR TROPIC ULTRA Sunlight full-spectrum tube for aquarium plant (special lengths) • Spectrum and properties such as JBL SOLAR TROPIC ULTRA standard length.	Art. no. 61761 61762 61763 61764 61765 61766	45 W 54 W	Length 438 mm 590 mm 742 mm 895 mm 1047mm 1200mm	UP 4 4 4 4 4 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 Tangayika 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. 61671 61672 61673 61674		Length 550 mm 850 mm 1150mm 1450mm		30 20 10 % mm 300 400 500 600 700 800
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. 61751 61752 61753 61754 61755 61756	45 W 54 W	Length 438 mm 590 mm 742 mm 895 mm 1047mm 1200mm	UP 4 4 4 4 4 4	

```
JBL Expedition 2007 Philippines
```

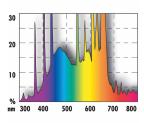
PROFESSIONAL PROFESSIONAL JBL

SOLAR SOLAR





 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. 61792 61795 61798 61800	Perfor- mance 24 W 39 W 54 W 80 W	Length 550 mm 850 mm 1150mm 1450mm	UP 4 4 4 4
JBL SOLAR COLOR ULTRA Fluorescent tube for intensive colours in freshwa- ter aquariums (special lengths) • Spectrum and properties such as JBL SOLAR COLOR ULTRA standard length.	Art. no. 61791 61793 61794 61796 61797 61799	Perfor- mance 24 W 28 W 35 W 45 W 54 W 54 W	Length 438 mm 590 mm 742 mm 895 mm 1047mm 1200mm	UP 4 4 4 4 4 4





چ پ ۲

S∢ ★ ≁

۵ ا

IJBLI JBLI IJBLI IJBLI IJBLI

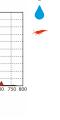
Ropig P

JBL JBL JBL JBL JBL

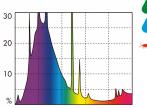
JBL JILL

NATUR VER CON MATUR CE

 JBL SOLAR MARIN DAY ULTRA standard lengths T5 daylight tube for marine tanks Oold-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. 61691 61692 61693 61694	39 W 54 W	850 mm 1150mm	UP 4 4 4 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. 61771 61772 61773 61774 61775 61776	28 W 35 W 45 W 54 W	742 mm 895 mm 1047mm	UP 4 4 4 4 4 4
 JBL SOLAR MARINE BLUE ULTRA To special blue fluorescent tube for marine tanks, with actinic action spectrum (standard lengths) Facilitates coral growth through enhancing the blue range in the spectrum that is preferred by zooxanthellae (so-called actinic radia- tion). Ideal lighting for marine aquariums when used in combination with JBL SOLAR MARIN DAY. Can also be used as night lighting to observe noctural animals in fresh water + vivariums. 	Art. no. 61695 61696 61698	39 W	850 mm	UP 4 4 4
JBL SOLAR MARINE BLUE ULTRA T5 special blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) • Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA standard length.	Art. no. 61781 61782 61783 61784 61785 61786	28 W 35 W 45 W 54 W	590 mm 742 mm 895 mm 1047mm	UP 4 4 4 4 4 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. 61881 61884 61887 61889	39 W 54 W	850 mm 1150mm	UP 4 4 4 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. 61880 61882 61883 61885 61886 61888	28 W 35 W 45 W 54 W	590 mm 742 mm 895 mm 1047mm	UP 4 4 4 4 4 4
 JBL SOLAR REPTIL SUN ULTRA T5 fluorescent tube for desert animals (standard lengths) 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. 61597 61598 61599	Perfor- mance 24 W 39 W 54 W	Length 550 mm 850 mm 1150mm	UP 4 4 4
	 JE SOLAR MARIN DAY ULTRA standard lengths Ts daylight tube for marine tanks Cold-white spectrum featuring a colour temperature of 15.000 K. Prictularly suited for reef aquariums with corals and other invertebrates. High light efficiency with very colour rendering characteristics. Cold with the spectrum features of 15.000 K. CHI 90 + JBL SOLAR MARINE DAY ULTRA Special lengths Ts daylight tube for marine tanks. Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length. Pspectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length. Callitates coral growth through enhancing the blue range in the spectrum that is preferred by zooxantheliae (so-called actinic radia- ton). Can also be used as night lighting to observe noctural animals in tresh water + vivariums. Special blue fluorescent tube for marine tanks, vitta actinic action spectrum (special lengths) Can also be used as night lighting to observe noctural animals in tresh water + vivariums. Special blue fluorescent tube for marine tanks, vitta actinic action spectrum (special lengths) Special blue fluorescent tube for marine tanks, vitta actinic action spectrum (special lengths) Special blue fluorescent tube for marine tanks. Special blue fluorescent tube for marine tanks, vitta actinic TS special flourescene tube (special lengths) Special flourescent tube (special lengths) Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA Long life and reliable functioning. Spectrum and properties such as JBL SOLAR OCEAN BLUE ULTRA Long life and reliable functioning. Spectrum and properties such as JBL SOLAR OCEAN BLUE ULTRA Long l	JBL SOLAR MARIN DAY ULTRA standard lengths Art. no. T5 daylight tube for marine tanks 6064-white spectrum featuring a colour temperature of 15.000 K. - Odd-white spectrum requiring with corais and other invertebratas. Art. no. - High light efficiency with very colour rendering characteristics. Art. no. - Odd-white spectrum requiring with corais and other invertebratas. Art. no. - Odd with the for marine tanks special lengths Art. no. - Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length. Art. no. - Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length. Art. no. - Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length. Art. no. - Spectrum that is preferred by zooxantheliae (so-called actinic radia- top). Art. no. - Can also be used as night lighting to observe noctural animals in tresh water + Wariums. Art. no. - Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA top. SOLAR MARIN DAY. Art. no. - Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA top. Solar MARIN DAY. Art. no. - Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA top. Solar MARIN DAY. Art. no. - Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA top. Solar MARIN DAY. Art. no.	JBL SOLAR MARINE DAY ULTRA standard lengths T5 daylight tube for marine tanks Art. no. Perfor- mance 24 W 61992 - 0.di-white spectrum fleaturing a colour femperature of 15.000 K. - Particularly subid for read aquatimes with corais and other invertebrates. Art. no. Perfor- marce 61993 24 W 61993 - Did-white spectrum fleaturing a colour femperature of 15.000 K. - COR 90 - I Art. no. Perfor- marce 61993 24 W 61993 JBL SOLAR MARINE DAY ULTRA special lengths - Spectrum and properties such as JBL SOLAR MARINE DAY ULTRA standard length. Art. no. Perfor- marce 61773 JBL SOLAR MARINE BLUE ULTRA T5 special blue fluorescent tube for marine tanks, with actinic action spectrum (standard lengths) L. Solat Markin DAX. Art. no. Perfor- marce 61996 - 14 Bl blue fluorescent tube for marine tanks, with actinic action spectrum (standard lengths) L. Solat Markin DAX. Art. no. Perfor- marce 61996 - 16 Bl blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) e. Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA Ts special blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) e. Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA Ts special fluorescent tube for marine tanks, with actinic action spectrum (special lengths) e. Spectrum and properties such as JBL SOLAR MARINE BLUE ULTRA fight 3 SW 61788 Art. no. Perfor- marce 61884 <th>JBL SOLAR MARINE DAY ULTRA standard lengths Att. no. Pedra- marce Length To day white south beaturing a coble respectation of 15.000 K. Pedra- marce S50 nm 39 W S50 nm - Old white south beaturing a coble respectation with corals and obser interchenta. Att. no. Pedra- marce S60 nm - Up of the south beaturing a coble respectation beature in the corals and obser interchenta. Att. no. Pedra- marce Length marce JBL SOLAR MARINE DAY ULTRA special lengths Att. no. Pedra- marce Length marce TS daylight tube for marine tanks standard length. Att. no. Pedra- marce Length marce TS daylight tube for marine tanks standard length. Att. no. Pedra- marce Length marce TS daylight tube for marine tanks standard length. Att. no. Pedra- marce Length marce TS special blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) Att. no. Pedra- marce Length marce TS special blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) Att. no. Pedra- marce Length marce TS special blue fluorescent tube for marine tanks, stith actlinic action spectrum (special lengths)</th>	JBL SOLAR MARINE DAY ULTRA standard lengths Att. no. Pedra- marce Length To day white south beaturing a coble respectation of 15.000 K. Pedra- marce S50 nm 39 W S50 nm - Old white south beaturing a coble respectation with corals and obser interchenta. Att. no. Pedra- marce S60 nm - Up of the south beaturing a coble respectation beature in the corals and obser interchenta. Att. no. Pedra- marce Length marce JBL SOLAR MARINE DAY ULTRA special lengths Att. no. Pedra- marce Length marce TS daylight tube for marine tanks standard length. Att. no. Pedra- marce Length marce TS daylight tube for marine tanks standard length. Att. no. Pedra- marce Length marce TS daylight tube for marine tanks standard length. Att. no. Pedra- marce Length marce TS special blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) Att. no. Pedra- marce Length marce TS special blue fluorescent tube for marine tanks, with actinic action spectrum (special lengths) Att. no. Pedra- marce Length marce TS special blue fluorescent tube for marine tanks, stith actlinic action spectrum (special lengths)

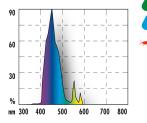




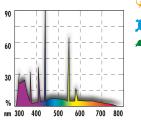


nm 300 400 500 600 700 800









Ľ

JULI	 JBL SOLAR Reflect T5 + T8 M-reflector for fluorescent tubes (standard lengths) New M-shape increases light output as the central tube does not reflect light onto itself. With pre-mounted plastic clips and corner protecters. Lux meter displays double light yield (lux) with reflector! Corrosion-resistant, robust high-gloss aluminium. 	Art. no. 61737 61738 61734 61736	T8/T5 24W 39W 36W54W 58W	Length 550 mm 850 mm 1200mm 1500mm	UP 1 1 1	
1 2 Contraction of the contracti	JBL SOLAR Reflect T5 + T8 M-reflector for fluorescent tubes (special lengths) • Properties such as JBL SOLAR Reflect standard length.	Art. no. 61730 61731 61732 61733 61735	T8/T5 15W24W 18W28W 25W35W 30W45W 38W54W	742 mm 895 mm	UP 1 1 1 1	

Technic > Light > Accessories

	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. 61701	For T-8	UP 1
	JBL Clip Set - SOLAR REFLECT Clips for JBL Reflect (reflectors)	Art. no. 61707	For T-5	UP 1
	 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. 	61708	T-8	1
<u>01</u>	JBL Clips T5/T8 (metal)	Art. no.	For	UP
	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.	61705 61703	T-5 T-8	1 1







JBL

4 Dottes 0170100 46 Desert & Co m

JBL Clip Set F T5 – 2X Ø 16mm

ACTIVE & 17123000 Bit Control Control ACTIVE & 17123000 Bit Control Control Description

ect

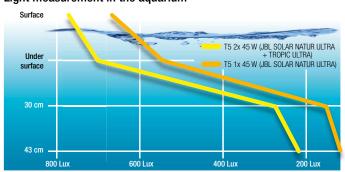
Light measurements in nature and in the aquarium

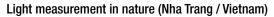


On the JBL expeditions the lux values were measured in various parts of the world, both over and under water, by means of lux meters. As a comparison the JBL research department determined the underwater values in aquariums. The results are sobering. On average the received light energy in aquariums is just about one percent of that in nature. Reflectors double the lux values and although T5 tubes are the same length as T8, they have twice as much luminosity.







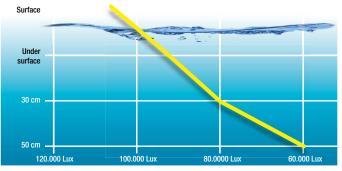


UVE

b

Luxmete

Win



JBL ProCristal UV-C

Water clarifier for aquarium

Eliminates green water (floating algae) and whitish cloudiness (bacteria) reliably and quickly, using germ-killing UVC radiation. UV light is an entirely physical agent. There are no harmful side effects. Reduces the germ load and reduces the risk of infection. To extend the performance, devices can be joined together by connecting pieces (JBL ProCristal QuickConnect). Very high effectiveness – water flow has a maximum layer thickness of 10 mm. Automatic burner switch-off when opening the device ensures safety. Optional hose connector tails and threads for PVC tube fittings. Strong 2 m rubber cable with protective earth wire and safety plug. 4 year warranty on casing.

Art. no.

Perfor-

mance

Length

37 cm

Length

46,5 cm

Length

46,5 cm

Length

66,5 cm

UP

1

UP

1

UΡ

1

UP

1

UP

1

UP

1

1

1

1

1

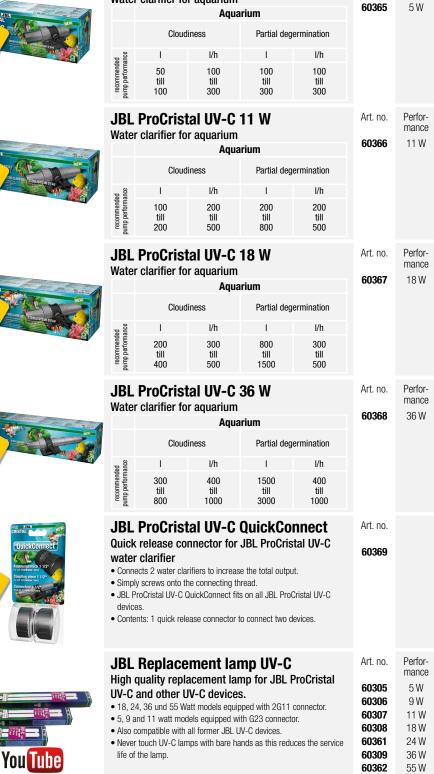
1

1

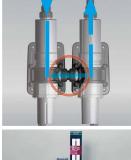
JBL ProCristal UV-C 5 W

Water clarifier for aquarium





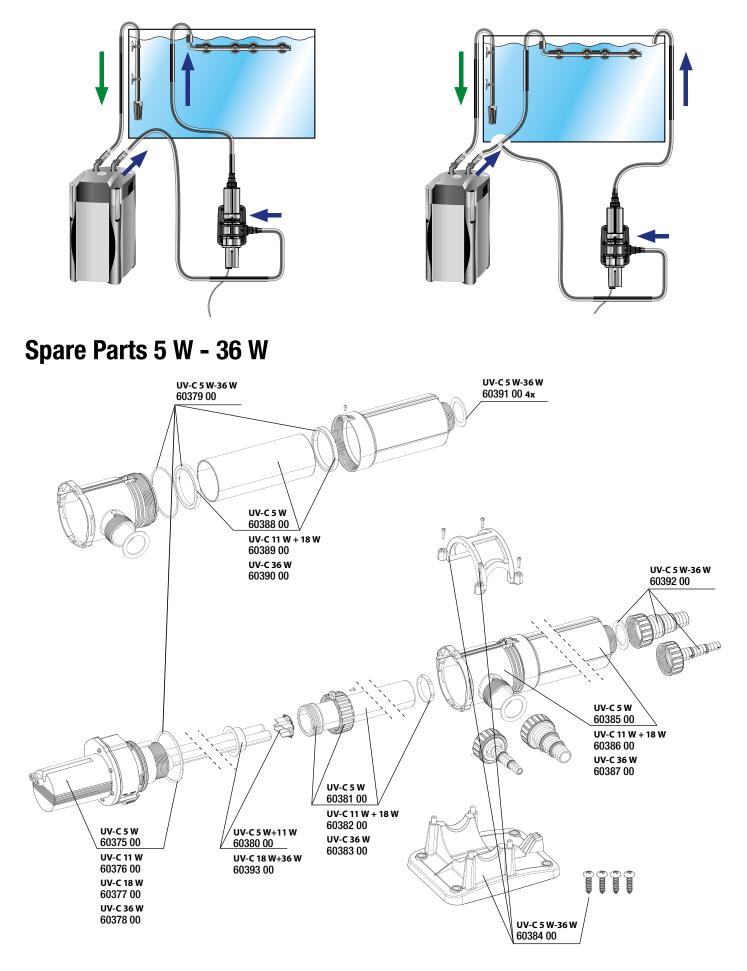






JBL ProCristal UV-C

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



Technic > Heating / Cooling > ProTemp Heater

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).

JBL ProTemp S 25



⊶ ★

寒

Ă

*









 Fully submersible and very robust 2 mm safety glass. Direct temperature selection in °C.
 JBL ProTemp S 300 300 W safety heater-stat with protective basket Plastic guard protects fish such as suckermouth catfish from direc 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.
IPI Suction and 22,29 mm
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.

 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. 					
JBL ProTemp S 50	Art. no.	Length	For	UP	
 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. 	60422	21 cm	30 - 80 I	2	
JBL ProTemp S 100	Art. no.	Length	For	UP	
 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 	60423	27,5 cm	50-160 l	2	
 events with a protection (units on automatcally 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. 					
JBL ProTemp S 150	Art. no.	Length	For	UP	
 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. 	60424	27,5 cm	90-200 l	2	
JBL ProTemp S 200	Art. no.	Length	For	UP	
 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. 	60425	37,5 cm	100-300 I	2	
JBL ProTemp S 300	Art. no.	Length	For	UP	
300 W safety heater-stat with protective basket • Plastic guard protects fish such as suckermouth catfish from direct best Carea with dury up protecting (hurso eff automotically if the	60426	37,5 cm	160-400	2	

Art. no.

60421

Length



UP

UP

1

For Ø

23-28

mm

Art. no.

60408

For

21 cm 10 - 50 l 2



JBL ProTemp b10	Art. no.
 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. 	60415
JBL ProTemp b20	Art. no.
 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. Rotproof silicone material. Heating element 4,9 m in length (heated cable) + 2 x 2,0 m PTC thermistor (unheated cable). 	60416
JBL ProTemp b40	Art. no.
 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). 	60417
JBL ProTemp b60	Art. no.



JBL ProTemp b60 Undergravel heating cable for aquariums > 150 cm Facilitates root formation and aquatic plant growth.

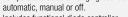
- Creates a near-natural flow through the undergravel. As a result, zones of putrefication are prevented. Rotproof silicone material.
- Safety is assured due to the 12V low-voltage technology.
- Includes electric high-quality transformer and 40 suction cups for attaching the cable.

Technic > Heating / Cooling > Aquarium cooling





	~			
JBL Cooler	Art. no.	Perfor- mance	Range	UP
 Cooling fan for aquariums Indispensable if the outer temperature is high. 	60440	5,5 W		1
 Cools aquariums by 2 to 4 °C as a result of the evaporation cooling process. 	60441	11,2 W	100-200	1
 Can be mounted very easily to any aquarium wall(max. 25 mm thickness). 	60442	15,3 W	200-300	1
Has 12V low voltage and universal energy supply for all types of			I	
voltage systems. • Available in three sizes with 2 (17 cm), 4 (30,5 cm) or 6 (44 cm)				
fans.				
JBL CoolControl	Art. no.			UP
 Thermometer for Cooling Fan Regulates the cooling fan between 1 and 50 W (e.g., JBL Cooler, all sizes). 	60445			1
 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 				
International energy of the second seco				



· Includes functional diode controller



İt.

¢,



UP

UP

1

UP

1

UP

1

For

For

For

For

300-600

40 W 200-400

20 W 100-250

10W 50-120I 1

Perfor-

mance

Perfor-

mance

Perfor-

mance

Perfor-

mance

60 W



	×
1	
	•

Technic > Air pumps > Water pumps

		Les les les les					
	PRO BAR 200 AF Punp AF	 JBL ProAir a50 Air pump for aquariums of 10-50 I For a safe oxygen supply in aquariums. As quiet as a whisper (< 38 dB(A)) due to special housing stands, sound insulation and weight. 50 l/h air output with > 160 mbar air pressure at a power consumption of only 2.3 W. 1 diaphragm und 1 air outlet. Ready-to-connect air pump with 2 m hose, check valve and air stone. 	Art. no. 60546	Perfor- mance 50I I/h	Watt 3 W	UP 2	
Aquarium	Prosient 100	 JBL ProSilent a100 Air pump for aquariums of 40-150 I Whisper quiet (< 37 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty. 100 <i>I</i>/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. 60541	Perfor- mance 100 I/h	Watt 2,9 W	UP 2	-
	Prosilent 200 Volumente estate	 JBL ProSilent a200 Air pump for aquariums of 50-300 I Whisper quiet (< 37 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty. 200 I/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. 60542	Perfor- mance 200 I/h	Watt 3,5 W	UP 2	
	Prosilent 300 A Para A Para	 JBL ProSilent a300 Air pump for aquariums of 100-400 I • Whisper quiet (< 38.5 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty. • 300 <i>I</i>/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. 60543	Perfor- mance 300 I/h	Watt 3,9 W	UP 1	
	Prosi en 400 You Tube	 JBL ProSilent a400 Air pump for aquariums of 200-600 I Whisper quiet (< 39.5 dB(A)) due to special housing feet, soundproofing and weight. 4 years warranty. 400 I/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. 60544	Perfor- mance 400 l/h	Watt 5,5 W	UP 1	ProSilent ^a 400



Technic > Air pumps > Airpump accessories

	 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	JBL ProSilent Safe	Art. no.	For Ø	UP	
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! 	64318	4/6 mm	6	
JBL COM	JBL ProSilent Control	Art. no.	For Ø	UP	•
You Tube	 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. 	64316	4/6 mm	6	
ProSilent Tobe	JBL ProSilent Tube	Art. no.	Ø	UP	
	 2,5 m quality silicone hose High-end air hose of 4/6 mm. Extremely durable – does not harden. Semi-transparent silicone material. 	64317	4/6 mm	6	



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.

Prefer DBR CONTRACTOR

Pumps

Internal filters

JBL CristalProfi®

green

External filters

JBL

00

istalProfi[®]

Filter media

JBL

Symecmicro

CristelProfi 401 CristelProfi	 JBL CristalProfi e401 greenline Energy-saving external filter for aquariums with 40–120 litres (40-80 cm) Only 4 W energy consumption means enormous energy savings. 450 l/h pump performance and an extremely quiet run. 4,61 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. 60200	Perfor- mance 450 l/h	Watt 4 W	UP 1	
CristalProfit 701	 JBL CristalProfi e701 greenline Energy-saving external filter for aquariums of 60-200 litres (60-100cm) Only 9 W power consumption means 31 % energy savings. Extremely quiet pump with 700 l/h output. 6,11 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. 60210	Perfor- mance 700 l/h	Watt 9 W	UP 1	
You the second sec	 JBL CristalProfi e901 greenline Energy-saving external filter for aquariums of 90-300 litres (80-120 cm) 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. 60211	Perfor- mance 900 l/h	Watt 11 W	UP 1	
Cristilization Bog Greening Cristilization Greening Cr	 JBL CristalProfi e1501 greenline Energy-saving external filter for aquariums of 160-600 litres (100-150 cm) Only 20W power consumption = an energy saving of 43%. Pump capacity of 1400 l/h and extremely quiet operation. 12 I 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. 60212	Perfor- mance 1400 l/h	Watt 20 W	UP 1	
CristalProf. 1901 CristalProf. 1901 Crientine CristalProf. 1901 CristalProf. 1901 CristalPro	 JBL CristalProfi e1901 greenline Energy-saving external filter for aquariums of 200-800 litres Only 36 W energy consumption means enormous energy savings. 1900 l/h pump performance which runs extremely quietly. 15 I 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. 60222	Perfor- mance 1900 l/h	Watt 36 W	UP 1	
Award JBL PlanktonPur	Aquaristik - Aquariums - Aquarium Manado AquaBasis Christicher Bodengrund Hahrbode nischung Hahrbode Nischung Hahrbode H	nsibar odengrund Aquarien saction operations ter tipe dequar for all equar for all equar	international and a second sec	ua	A	Aqua F













Ľ

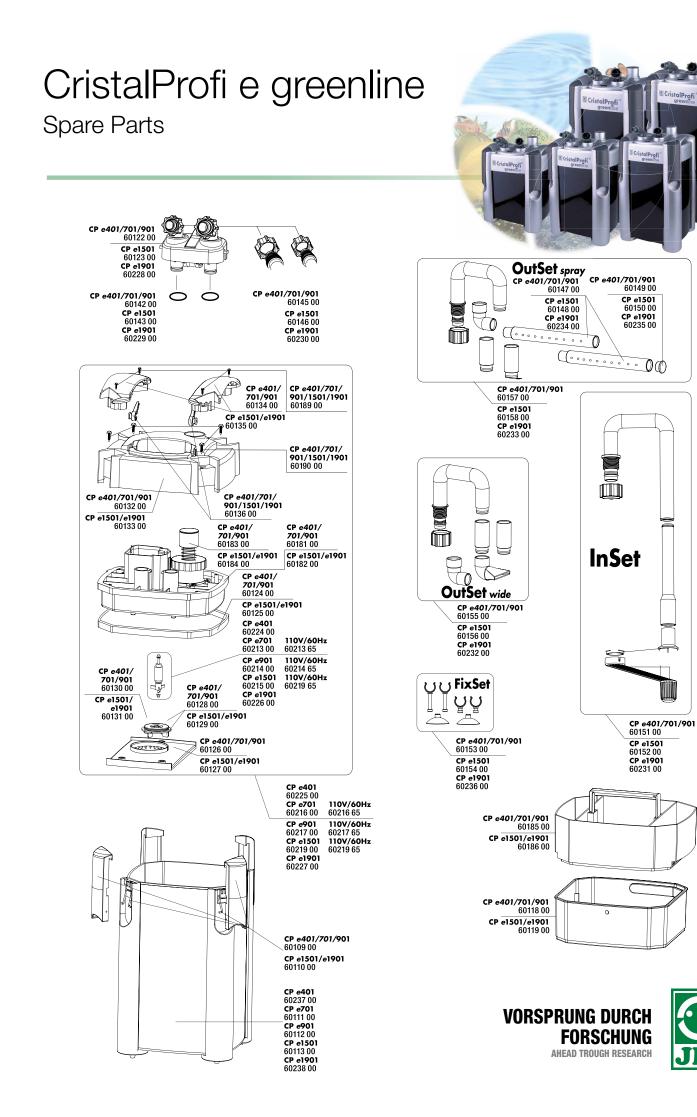
¢

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						
	all filters	CPe-Serie	CPi-Serie	fresh- water	salt- water	coarse	fine	NH ₄ /NO ₂	NO ₃	$\rm NH_4$	NO2	NO ₃	PO ₄	pesticides medical substances tinges	
JBL Filter Foam + Unibloc				•	•	~	~~	~							
JBL Cermec	Cermine			•	٠	~~		V							
JBL Symec Micro				•	•		~~								
JBL Symec				•	•		~								
JBL Symec XL				•	٠	~	V	V							
JBL Symec VL	Speece R			•	٠		~~	~							
JBL Carbomec activ				•										~~ ~~	
JBL Carbomec ultra	Cardiana			•	٠									~~	
JBL ClearMec plus	Clearner - Clearner - Clearner			•				V			V	V	V		
JBL PhosEx ultra	Phose			•	•								~~		
JBL NitratEx	NiralEx Example			•								~~	V		
JBL BioNitratEx	Bolinet			•	•				~~				V		
JBL Tormec				•											
JBL SintoMec				•	٠	~		~~	レ レレ						
JBL MicroMec	Wittener Wittener			•	٠			~~	~~						
highly suita	ble		very highly s	suitable											



Technic > Filters/Pumps > Accessories CPe



Art. no.	For	
60196	60-600 I	

UP

2

JBL NEW!

TopClean **||**

erfläch

bsauger

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).

How does TopClean II work?

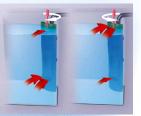
- SURFACE EXTRACTION Here the dirty water from the aquarium flows into the filter
- REGULATING PIN Here you can freely select the extraction ratio of surface water to water from deeper levels
- EXTRACTION OF DEEPER WATER Here the dirty water from the aquarium flows into the filter

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



tion hose to the suction hose of the external filter. It may be necessary to restart the external

filter (priming). Once the wa- ter 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.







OutSet 16/22

butSet 16/22

JBL FixSet 16/22

JBL

JBL

You Tube

JBL

 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. 60151 60152 60231	For CPe 4/7/900/1 1500/1 1901	
 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. 60155 60156 60232	For CPe 4/7/900/1 1500/1 1901	
 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. 60157 60158 60233	For CPe 4/7/900/1 1500/1 1901	
 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. 60833 60834	Content 2 pcs. 2 pcs.	12/16 mm 16/22 mm
 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	
JBL CristalProfi e impeller Full set of spare parts for JBL CristalProfi e-range Kit consists of: Impeller Ceramic axis Ceramic bearing Rubber buffers	Art. no. 60106 60107 60108 60224 60213 60214 60215 60226	For CPe e700 e900 e1500 e401 e701 e901 e1501 e1901	
 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. 60114		

UP

1 1

1

UP

1

1 1

UP

1 1 1

UP

1

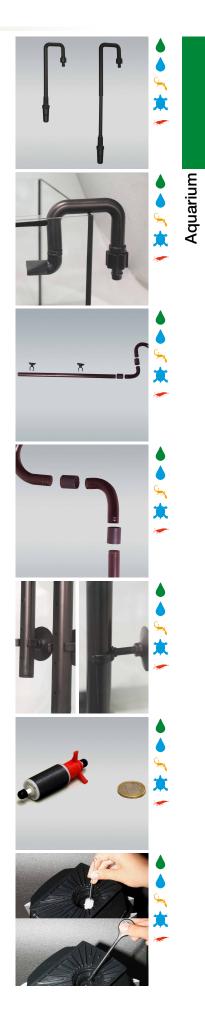
1

UP

1 1 1

UP

1 1 1



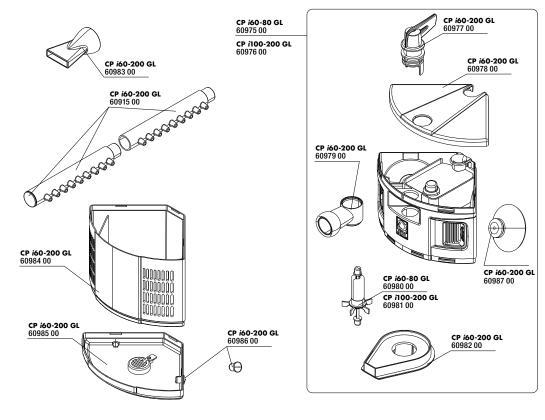
Aquarium

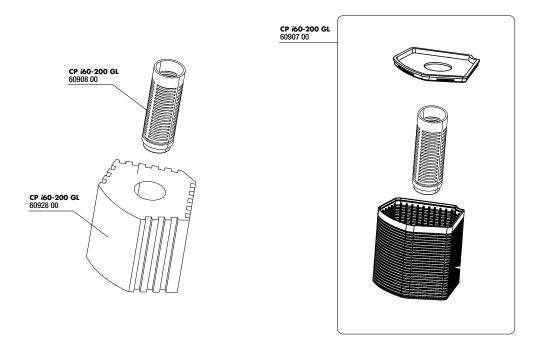
	Technic > ⊦	ilters/Pumps > Internal filter				
▲ ▲ ★	Prosteriu Posteriu PletAir • Internation • Inte	JBL ProSilent TekAir Air-driven internal filter for aquariums up to 80 I (20 US gal.) • Particularly suitable for rearing young fry. • Simple to place in aquarium, no suction cups required. • Easy to clean and dismantle. • Air pump not included.	Art. no. 64319		UP 2	
NE	PULSE PU	 JBL ProCristal i30 Internal filter for aquariums from 10 – 40 I For crystal-clear and oxygen rich water in small aquariums. Quick and simple to clean. Safe for shrimps and juvenile fish. Energy-saving (3.7 W), with high-performance pump (200 <i>V</i>h). Includes Super-Clear filter cartridge for especially clean water. Extendable by clipping on filter modules. Fits every aquarium from 14 cm height onwards. With air intake for optimal oxygen content in the water. Ready-for-connection internal filter, including filter material and venturi nozzle. 	Art. no. 60990		UP 1	
	JBL CristalProfi 240 Winner and Research Winner and Research Winne	 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	
	You Tube Internet	 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	
	You Tube	 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	
	You Tube	 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	
▲ ▲ ★	You Tube	 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	

71

Aquarium

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







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
 8 Children and the second state of the second state o
shrimps from being sucked in.With fastening clip for thermometer (included).Expandable with a further filter module (+12 cm height).

Art. no.		Watt	Perfor-	UP
			mance	
	60960	3,5 W	200 l/h	2





Technic > Filters/Pumps > Internal filters accessories

JBL JBL Unit CristalProfit Modul CristalProfit Breenter Breenter CristalProfit Breenter CristalProfit	 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	
DBL DBL Market CristalProfi [®] FilterPac Print and Market Cristal Profi [®] FilterPac Print and Market FilterPac Print And Filter FilterPac Print And Filter FilterPac Print And Filter FilterPac Print And Filter FilterPac Print And Filter FilterPac Fil	 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	
BBL The second s	 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.	UP 3	

寒

*

DEBLE (DEBLE) Cristelves 2 - 00 Neckly Cristelves 2 - 00 Neckly Criste	 JBL CP i cl Filter module Complete filter module for JBL CristalProfi i-range (i60 – i200) an be used as a replacement part in any JBL CristalProfi i filter or to supplement an extension. Extending the system by one module significantly extends the filter life and increases the filter's cleaning capacity. Set contains: Filter basket module, bio filter foam 25 ppi, inner pipe. 	Art. no. 60905		UP 1	k t m
VideSet 12/16 Image: Set 12/16 <th> 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. </th> <th>Art. no.</th> <th></th> <th>UP 1</th> <th></th>	 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.		UP 1	
DD16 SproySet 12/16 Water Water Water Water	 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	
Variance Termination	 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.	Ø 12/16 Tube	UP 1	
TEL	 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	
DBU Control of the second seco	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	
PRO EXAMINATION FOR A CHARACTER STATE	 JBL ProCristal i30 module Filter module for higher filter performance and longer service lives Can simply be clipped on under the JBL ProCristal i30. Ready-to-use, including filter sponge. Extends the filter by about 3 cm to 15.9 cm. Depending of the aquarium's height, up to 3 modules can be added. Kit contains a clip-on module with filter sponge. 	Art. no. 60989	For PC i30	UP 4	

*

♦ ♦ ★ ↓

Pr

Aquarium

iecnnic > F	iters/Pumps > Pumps					
Jan Jan Date water ProFlow 300	 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: 12/16. 3 reliable suction holders for fastening. 	Art. no. 60580	Perfor- mance 300 I/h	Watt 4 W	UP 1	
Data and the provided in the p	 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. 60581	Perfor- mance 500 I/h	Watt 5 W	UP 1	
All Andrew Andre	 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. 60583	Perfor- mance 900 I/h	Watt 7 W	UP 1	
Proflow 100	 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. 60584	Perfor- mance 1200 I/h	Watt 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. 60585	Perfor- mance 2000 I/h	Watt 35 W	UP 1	

Technic > Filters/Pumps > ProFlow u Extension



JBL ProFlow sf (u800,1100,2000) Fast filter cartridge for JBL ProFlow u	Art. no.	UP	
 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). 	60610	1	



AutoFood Black You	 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	
AutoFood white You Tube	 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



Aquarium

Symet Anno 1990	
JBL JBL	

Symec XL

Symec V

 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. 	62387	25 cm	75 cm	6
JBL Symec Fine filter wool • Synthetic residue-free filter wool. • For freshwater and saltwater. • Washable.	Art. no. 62311 62313 62315 62317	Content 100 g 250 g 500 g 1000 g		UP 25 20 12 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 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. 62310	Length 25 cm	Width 80 cm	UP 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. 62562 62561 62563	Height 2,5 cm 5 cm 10 cm		UP 1 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. 62565 62560 62566	Height 2,5 cm 5 cm 10 cm		UP 1 1















Aquarium



Windalde JBL Micromec

4 JBL

Cermec

 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. 	62547	450 g	200 I	6
JBL Micromec	Art. no.	Content	For	UP
 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. 	62548	650 g	200	6
JBL Cermec	Art. no.	Content	For	UP
 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. 	62375	750 g	200	6

Art. no.

Art. no.

Content

Content



UP

UP

6

UP

6

UP

UP

6

For

For



Aquarium



Accessories > Filter material > Special

JBL Carbomec activ

High performance active carbon for the freshwater

JBL Sintomec



JBL

Carbomec

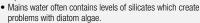
JBL

Tormecactiv

JBL

SilikatEx





 This filter material permanently absorbs silicate and phosphate, preventing the growth of diatom.

▲ ★ ~
 ★ ★ ★

Accessories > Filter material > Special

Accessories	> Filter material > Special					
DBL D	 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. 62537	Content 250 ml	For 200 I	UP 6	Feat douc
	 JBL BioNitrat EX 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	For 200 I	UP 6	
District Control of the second	 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	For 200 I	UP 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 600 ml	For 300 I	UP 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 0,5-1,51 filter material with practical sealing clip. The nylon material (polyamide) is absolutely water neutral.	Art. no. 62551	Content 2 pcs.		UP 6	
United and the second s	 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 	Art. no. 62552	Content 2 pcs.		UP 6	

 The water neutral hytor material (polyamide) does not re harmful substances into the water.



*

▲
 ★
 ✓

♦ ★ ↓ ★

♦ ♦ ★ ↓

<u>0</u>

JBL FilterPad VL Construction Parameters An oral Canterit UP Line Status Parameters 2 Process Construction Parameters 1 Line Status Parameters 2 Process Construction Parameters 2 Process Construction Parameters 1 Line Status Parameters 2 Process Construction Parameters 2 Process Construction Parameters 1 Line Status Parameters 2 Process Construction Parameters 2 Process Construction Parameters 1 Line Status Parameters 2 Process Construction Parameters 2 Process Construction Parameters 1 Line Status Parameters 2 Process Construction Parameters 2 Process Construction Parameters 1 2 Process Construction Parameters 1 Line Construction Construction Parameters 2 Process Construction Parameters 2 Process Construction Parameters 1 2 Process Construction Parameters 1 Line Construction Constru			0	`		,		
Dirac High Production 21 (5) (5) (5) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	THE PARTY OF THE P	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.	62201	2 Pieces		1	•	
JDL Functional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) Solutional values (265 ppi) S	TITE STATES	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	62210	2 Pieces		1		
With Interfaint Calculation Is by Drug 2000 - Open-point sponce for difficunt biological filtering. - Open-point sponce for difficunt biological filtering. - Open-point Sponce Section Interfaint Sponce Sectin Interfaint Sponce Secting Section Interfaint	DBIA DBIA FilterPad F35-52020	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	62206	2 Pieces		1		
Bit London Cristal root rule (Spring Processing 130) 60993 4 Image: Spring Processing 100 (Spring Processing Processing 100 (Spring Pr	JEL TEANE	 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 						
JDL UNIDIOC OF 1407 (EKAIT Replacement foam cartridge for JBL CristalProfi JOM ond TekAir 60927 1 Piece 40/ TekAir 3 60927 1 Piece 40/ TekAir 3 1 00% water-neutral synthetic material, which releases no harmful substances into the water. • 00% water-neutral synthetic material, which releases no harmful substances into the water. 60927 1 Piece 40/ TekAir 3 I 00% water-neutral synthetic material, which exactly fits the JBL CristalProfi i40, JBL TekAir and other filters with the same tube diameter. 60927 1 Piece 40/ TekAir 3 I 00% water-neutral synthetic material, which releases no harmful substances into the water. • 00% water-neutral synthetic material, which releases no harmful substances into the water. Art. no. Content For CPi UP 60928 1 Piece 60-200 3	Filter sponge	 Replacement filter sponge for JBL ProCristal i30 Needs to be cleaned on a monthly basis and replaced every three months to keep water always clean and clear. Ideal pore size of 30 ppi (pores per inch) for effective mechanical cleaning. Also promotes the settlement of cleansing bacteria for optimal biological cleaning. The addition of JBL FilterStart enables immediate biological effectiveness. 						
JBL Gold State Profile	CristalProfi 240	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			40/		DIL Control Control do UniBloc	
	Signature Chind Post Unible Chind Post Unible Chind Post Chind Pos	Replacement foam cartridge for JBL CristalProfi i60 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 i60, i80, 100, 200 (also greenline versions).						

NEW

Ų,

▲ ★ ~

寒

寬

			(00000	,	
And Andrew Andrew States and An	 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	
Citatilyons" Ci	 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 minternal 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	
CrialProfit 200, 900 CrialProfit 200, 900 Combiliace Profit and	 JBL CristalProfi 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		For CPe 4-7-901 15-1901	UP 1 1	460
UBU CONSCIENCE CristelPofi [®] 700, 900 UBUC De Brease Constanting	 JBL CristalProfi e UniBloc Bio-filter foam pads for JBL CristalProfi 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		For CPe 4-7-901 15-1901	UP 1 1	83

JBL Expedition 2006 South Africa



ا ♦ ★ ★

♦ ♦ ★ ₩

PRO		JBL SuperClear ProCristal i30	Art. no.	For	Content	UP	
NEW	Perclear	 Special filter material for crystal clear water. Ready-to-use cartridge with high performance activated carbon and special filter material to keep water clean and clear. Easy installation: remove the water outlet, insert cartridge into container and put on the water outlet again. Suitable for JBL ProCristal i30 internal filter. Needs to be replaced on a monthly basis. One cartridge contains 25 ml special filter material. 	60991 60992	PC i30 PC i30	2 x 6 x		
PRO	STAL	JBL GreenStop ProCristal i30	Art. no.	For	Content	UP	
NEW C	diamond diamond	 Special filter material against green water Ready-to-use cartridge for the JBL ProCristal i30 internal filter. Green water is caused by floating algae. The cartridge withdraws the nutrients from the algae which makes them disappear. Suitable for JBL ProCristal i30 internal filter. Needs to be replaced on a monthly basis. One cartridge contains 25 ml algae combating filter material. 	60994 60995	PC i30 PC i30	2 x 6 x	6 3	
PRO CRIS	JBL (EV)	JBL AlgaePrevent ProCristal i30	Art. no.	For	Content	UP	
NEW	f 30 Bac Prevent Marrie Art Marrie Art Art Marrie Art Marrie Art Marrie Art Art Marrie Art Marrie Art Marrie Art Marrie Art Art Marrie Art Marrie Ar	 Filter cartridge to prevent algae growth Ready-to-use filter cartridge for the JBL ProCristal i30 internal filter. Easy installation: remove the water outlet, insert cartridge into container and put on the water outlet again. Withdraws the algae nutrient phosphate from the water, thus preventing algae problems. Needs to be replaced on a monthly basis. One cartridge contains 25 ml of phosphate remover. 	60996	PC i30	2 x	6	
L		JBL PhosEx Ultra CP i 60-200	Art. no.	Content	For	UP	
Criste Phose Control of the second Control o	JBL DBL DBL DBL DBL DBL DBL DBL D	 Phosphate eliminator ready to use in set for CristalProfi 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. 	60931	190 ml	50-100 l	3	
		JBL CarboMec Ultra CP i 60-200	Art. no.	Content	For	UP	
Crist Carbo	DBL 0.500 DProfile 0.500 Demonstration Demon	 Active filter carbon, ready to use in set for CristalProfi 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. 	60930	190 ml	50-100 l	3	



Aquarium

7100003001103		50110				
Corresto	JBL Clearmec CP i 60-200 Set with nitrite, nitrate and phosphate eliminator	Art. no.	Content	For	UP	
CREATING OF CALL OF CA	 Fready to use for the CristalProfi 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. 	60932	190 ml	50-100 I	3	
	JBL Tormec CP i 60-200	Art. no.	Content	For	UP	
Critical Parts De Cartone Contractor De Cartone Contractor Co	 Mini active peat pellets ready to use in set for CristalProfi 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. 	60933	190 ml	50-100 I	3	
	JBL BioNitrat Ex CP i 60-200	Art. no.	Content	For	UP	
Cristelleroff 100,000	 Biological nitrate remover ready to use for CristalProfi 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. 	60934	1 cartridge	50-100 I	3	
	JBL MicroMec CP i 60-200	Art. no.	Content	For	UP	
JEEL Cristilization Constitutio	 High-performance filter pellets break down nitrogen in the CristalProfi 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. 	60929	190 ml	50-100 I	3	

JBL Expedition 2010 Tanganyika



♦ ♦ ★ ★

♦ ★ ★

DET UNV DET UN	 JBL Carbomec Ultra Pad Set with foam pad and active filter carbon for CristalProfi 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. 60167 60168	For CPe 4-7-901 15-1901	UP 3 3	
CristalProfi ConstalProfi Phoses Phos	 JBL PhosEx Ultra Pad Set with foam pad and phosphate eliminator for CristalProfi 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. 60169 60170	For CPe 4-7-901 15-1901	UP 3 3	Aquarium
DER WW DER WW	 JBL NitratEx Pad Set with foam pad and nitrate eliminator for CristalProfi 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 pp) 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. 60171 60172	For CPe 4-7-901 15-1901	UP 3 3	
DB3 Constant of the second sec	 JBL TorMec CristalProfi e Active peat pellets for CristalProfi 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. 60173 60174	For CPe 4-7-901 15-1901	UP 3 3	
CristelProfi 200, 900 ClearMac Particular ClearMac ClearM	 JBL ClearMec plus Pad Set with nitrite, nitrate and phosphate eliminator for the CristalProfi 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. 60175 60176	For CPe 4-7-901 15-1901	UP 3 3	
DUT WWW CristalProfi 200, 900 MicroMede	 JBL MicroMec CristalProfi e High-performance filter pellets break down nitrogen in the CristalProfi 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. 60177 60178	For CPe 4-7-901 15-1901		



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.

JBL TEST

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.



Accessories > Water test > Test sets and refills

	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	For 80 tests Refill	UP 6 1	
BBL BBL BBL BBL BBL BBL BBL BBL BBL BBL	 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	For 80 tests Refill	UP 3 1	Č.
	 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	For 80 tests Refill	UP 3 1	ě,
JBL FOR Particular Particul	 JBL GH Test Total hardness test for fresh water 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	Refill	UP 6 1	
You Tube	 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	Refill	UP 6 1	8 ml 15 ml 10 ml 5 ml
JULIC CONTRACTOR OF	 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	For 50 tests Refill	UP 3 1	
You ube	 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	For 9-12 months Refill	UP 3 1	



	J Q te
	te •
Direct Co, Test Salevasser Direct Direct Director	•
Character Constant Co	•
JBL	JC
Cu TEST	•
	•
	J Ir
Fee Test	•









 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. 25416 25417	For Refill	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. 25404 25405	For 50 tests Refill	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. Gradiation 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. 25390 25391	For 50 tests Refill	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. 25353 25354	For 50 tests Refill	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. 25365 25366	For 50 tests Refill	UP 3 1
 JBL Nitrite Test NO₂ Nitrite test kit 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. 25370 25371	For 50 tests Refill	UP 3 1
 JBL Nitrate Test NO₃ Nitrate test kit 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. 25375 25376	For 50 tests Refill	UP 3 1

UP





*

*

▲
 ★
 ★
 ✓

JBL JBL POOL ESE CONTENT CONTE	 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 	Art. no. 25408 25409	For 50 tests Refill	UP 3 1	
Vou United automatication of the second seco	 Includes glass curvetes, comparator system, syninge and a colour chart. 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 (diluted up to 30 mg/l). Recommended levels: 10-30 mg/l. • For approx. 25 measurements.	Art. no. 25411 25412	For 25 Tests Refill	UP 3 1	
JEL JEL Mgg Est Version You Uber William	 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. 25414 25415	For 60 tests Refill	UP 3 1	
Accessories	> Water test > Test sets & refills s	altwate	ər		
JBL DBL Ca U U U U U U U U U U U U U U U U U U	 JBL Calcium Test Set Ca Calcium test kit for marine tanks 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	Refill	UP 3 1	

Art. no.

25402

25403

Art. no. 25503

New with oxygen test!





JBL Testlab Marin	
Professional test kit for accurate mari	ne water
analysis	
analysis	

JBL Magnesium/Calcium Test

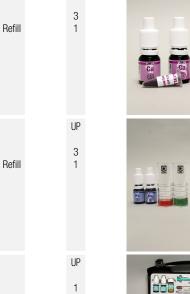
• The set includes both tests (Ca-Test + Mg-Test).

Magnesium & Calcium test kit for marine tanks • 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.

Insufficient levels of and magnesium affect the growth of corals and stunt the growth of the attractive red calciferous algae.

- 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
- Laboratory comparator system takes an eventual self-colouring of water into account.







Aquarium

♦ ★ ~

۵ بر سر

10000001100				
JBL WUTTE JBL WUTTE COMBISE UN DH WL OF COMBINE UN DH WL OF COMBINE DH WL OF COMB	 JBL Test Combi Set plus Fe 5 different tests for the most important water values, including iron test 9 bit (3-10), KH, NO₂, NO₃ and Fe (iron for fertiliser check). 9 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 ward in JBL ward in COMBINE TIST TO MARK IN A SAME IN A SAME IN The Internet In Annual Same Internet In Annual Same Internet Internet Same Internet Internet Internet Internet Same Internet Intern	 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 NH₂/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 Testiab 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 0₂, CO₂ table, GH, KH, phosphate PO₄, ammonium/ammonia NH₄/NH₃, nitrite NO₂, nitrate NO₃, iron Fe, copper Cu, silicate SiO₂. Waterproof plastic case containing 6 glass cuvettes, 2 syringes, dosage spoons, thermometer, ball-point pen and result sheets. The comparator system takes the inherent water colour into account and leads to more precise colour comparison results. 	Art. no. 25502	UP 1	
PRO E0134 SCAPPE *** TESTLAB **** ********************************	 JBL Testiab ProScape Professional test laboratory for the water analysis of planted aquariums 9 different tests for a comprehensive water analysis: pH 6,0-7,6; C0₂ 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	
	 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!	UP 1	









UP

6

UP

1

Aquarium

Accessories > Water test > ProScan



NEW

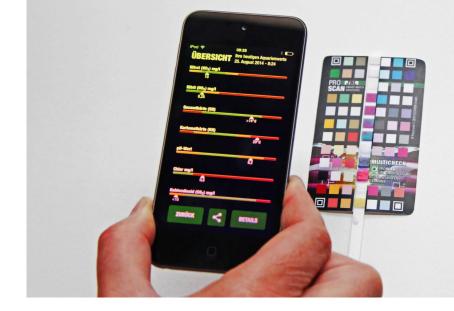




 JBL ProScan Multi water test with evaluation by means of smartphone app Contains 24 analysis strips (GH, KH, pH, nitrite, nitrate, chlorine and for the calculation of CO₂) with matching JBL ProScan ColorCard. The colour chart serves as a reference when scanning the analysis strip. The result is evaluated and, where necessary, instructions are displayed to show how to optimize the water values. The appropriate app is available free of charge. 	Art. no. 25420	Content 24 Tests	UP 5
 JBL ProScan Recharge Refill test strips for JBL ProScan 24 analysis strips for digital evaluation with the JBL ProScan app. These analysis 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. 25421	Content 24 Tests	UP 6
 JBL Display ProScan + Recharge Attractive sales display for JBL ProScan Contents: 12 x 2542000 ProScan (complete kit). 7 x 2542100 ProScan Recharge (refil). Can be combined with the plinth 9953500 (JBL display plinth 1/8 Euro-pallet 90 cm). 	Art. no. 25425		UP 1







Accessories > Cleaning > Miscellaneous

 ج پر پر

♦ ♦ ₩ ₩ ₩

Aquarium

 Accessories	> Clearning > Miscellarieous					
	 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 I) 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.			UP 6	
-	 JBL Aqua-T Handy angle Angled glass cleaner (15°) with stainless steel blade An angle of 15° and a long shaft enable the effortless removal of tenacious coatings (algae) from the panes. Does not damage the silicone bonding of the aquarium. Total length 30 cm, blade width 7 cm. With a protective cap to prevent against injury when not in use. Spare blades available separately. 	Art. no.	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 silicon seal of the aquarium. • Has a protective cap against injuries when not in use. • Spare blades available separately.	Art. no.	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	
JEL CONTRACTOR	JBL Aqua-T Triumph Glass pane cleaner with 140 mm stainless steel blade • Effortless removal of stubborn deposits (algae). • Does not damage the silicon 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 JBL Blanki Schelberreiniger	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	



JBI

AOUA EX

You Tube

You Tube





















Olipdate S x 12/10 mm
G Schlauchbehesbgung
18 Hose Gamp
C Fourbon pour house
CLEANY
JBI.
CI SAWY

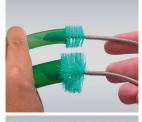
JBL

Aquarium

JBL ClipSafe	Art. no.	For		UP	
 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. 	61091	12-16 mm		6	
JBL Cleany	Art. no.	For		UP	
 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. 	61361	9-30 mm		6	
JBL Spongi	Art. no.	Length	Width	UP	
 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. 	61380	115 mm	90 mm	4	
JBL ProScape Cleaning Glove	Art. no.			UP	
 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. 	61379			6	
JBL Clean A	Art. no.	Content		UP	
 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. 	61385	250 ml		6	
JBL Desinfekt	Art. no.	Content		UP	
 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! 	20091	50 g		6	

Use biocides safely. Always read the labelling and product information before use.



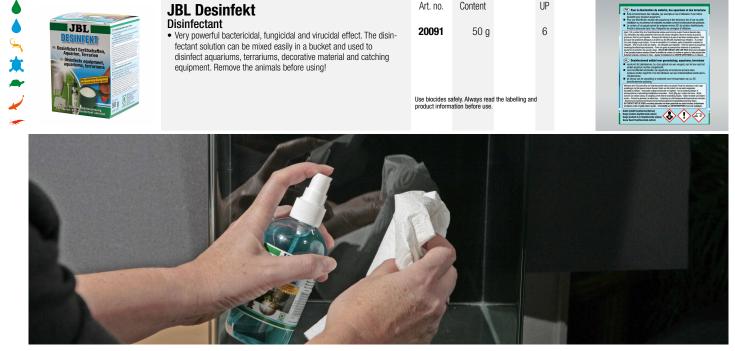








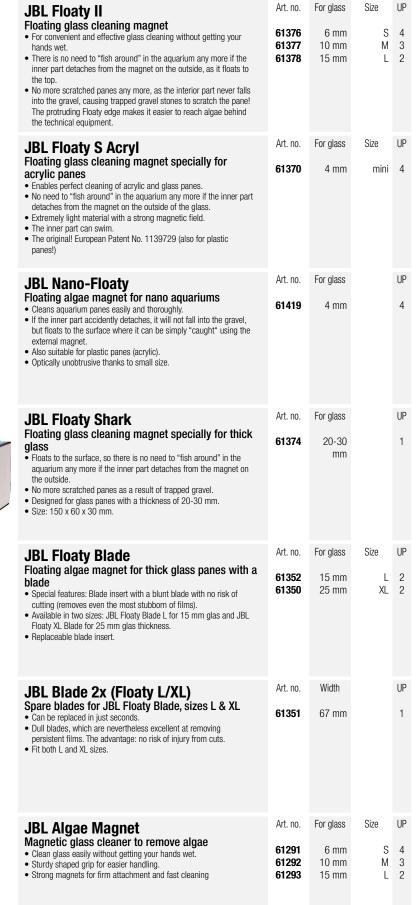








You Tube





Accessones						
	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. 61033 61034 61035 61036 61037 61038	Length 31 cm 33 cm 35 cm 43 cm 45 cm 54 cm	Width 8 cm 10 cm 13 cm 15 cm 20 cm 25 cm	6 6 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. 61041 61042 61043 61044 61045 61046	Length 31 cm 33 cm 35 cm 43 cm 45 cm 54 cm	Width 8 cm 10 cm 13 cm 15 cm 20 cm 25 cm	6 6	
	 JBL PREMIUM Fish 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. 61047 61039	Length 41 cm 41 cm	Width 15 cm 15 cm		
	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. 28705 28701	Length 90 cm 190 cm	,	UP 1 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. 28706 28702	Length 90 cm 190 cm	Width 30,5 cm 35 cm	UP 1 1	



\$ \$ *

NEW

hose.

	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. 61086 61087 61088 61089 61090	Ø 9/12 12/16 16/22 19/25	Length 2,5 m 2,5 m 2,5 m 2,5 m 2,5 m	UP 1 1 1 1	
	JBL Aquariumhose grey spool Supplied on a coil, transparent grey, flexible, free of heavy metals • Hose sprinted with size, EAN and the "food-safe" symbol. • Air hose (6112100) • Water hose (6112100) • Water hose (6112200) • Water hose (6112300)	Art. no. 61120 61121 61122 61123	Ø 9/12 12/16 16/22	Length 200 m 70 m 50 m 25 m	70 50	
	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. 61081 61082 61083 61084	Ø 9/12 12/16 16/22	Length 2,5 m 2,5 m 2,5 m 2,5 m	UP 1 1 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. 61111 61112 61113 61114	Ø 9/12 12/16 16/22	Length 200 m 70 m 50 m 25 m	70 50	
Stillens zu ora orazie Stillens zu orazie St	JBL Silicon tubing On reel, transparent, 4/6 mm • Extremely long life. • 4/6 mm (internal/external) diameter. • Not suited for CO ₂ . • Silicone-like material. • Contains no heavy metals.	Art. no. 61119	Ø 4/6	Length 100 m	UP 100	
	JBL Silicon tubing With card for hanging, 4/6 mm • Extremely long life. • 4/6 mm (internal/external) diameter. • Not suited for CO ₂ . • Silicone-like material.	Art. no. 61085	Ø 4/6 mm	Length 2,5 m	UP 1	
To share To sha	 JBL ProFlora T3 2 Special hose for CO₂ systems For the CO₂ supply and the connection of individual components of CO₂ plant fertiliser systems. CO₂ has a different diffusion behaviour to air. Therefore air hoses are unsuitable for CO₂ systems. 3 m special CO₂ proof hose. Diameter: 4/6 mm. Fits all common CO₂ systems. Contents: 3 m special CO₂-proof hose. 	Art. no. 64466 63463	Colour black clear	Length 3 m 3 m	UP 3 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.

UP

6

UP

6

6

UP

6

UP

6



Accessories > Tube/Fitting > Fittings



NEW

ProSilent Control

1

JBL

You Tube

JBL

to brate

JBL



 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 63138	Ø 16 mm 22 mm	
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.	For Ø 4/6 mm	
 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.	For Ø 4/6 mm	







Accessories > Tube/Fitting > Succer holder

INALJBL-ORIGINALJBL-ORIGINAL	JBL Suction pad 12 mm Rubber suction pads with clips for objects of	Art. no.	For Ø	UP	- 1
AL JURY - Alt Alter of the start of the sta	 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 		12 mm	1	
	JBL 16 mm Clip suction pad	Art. no.	For Ø	UP	
19 Classification of the start in the start	 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. 	60856	16 mm	1	
JBL OR ORDERA	JBL Suction pad 23-28 mm	Art. no.	For Ø	UP	
A cardinal constraints of the second se	 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. 	60408	23-28 mm	1	1







♦ جز مجز مجز

4

♦ ♦ ★

	v				
	 JBL Suction pad 37 mm 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 5 mm 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 12 mm 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.	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	
Fixser 16/22	 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	

JBL Expedition 2010 Vietnam



Aquarium

Accessories > Accessories air > Air stones ProSilent

JBL Aeras Micro S2



NEWD



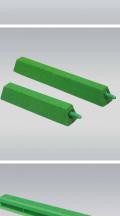
JBL Aeras Micro S2	AIT. HO.	Ø		UP
 Airstone set Made of a quartz sand mixture with extra-fine pores for super-fine air bubbles (hence the name "Micro"). Containing 2 ball-shaped air stones. Own weight of stone keeps it on ground without extra weighting. For fresh and salt water. 	61485	21 mm		6
JBL Aeras Micro S3	Art. no.	Ø	Height	UF
 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. 	61486	14 mm	25 mm	6
JBL Aeras Micro	Art. no.	Length	Size	UF
 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. 	61487 61488	100 mm 140 mm	S M	6 6
JBL Aeras Micro Plus	Art. no.	Length	Size	UF
 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! 	61489 61490	140 mm 270 mm	M L	6 6
JBL Aeras Micro Ball L	Art. no.	Ø		UF
 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. 	61491	40 mm		6
JBL Aeras Marin	Art. no.	Length	Size	UF
Wood airstone for saltwater • Constant air supply. • Very fine air bubbles. • Increases the efficiency of protein skimmers • 2 sizes	61483 61484	45 mm 65 mm	S M	6 6

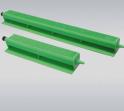
Ø

Art. no.

UP

6











Aquarium

*

♦ ★ √

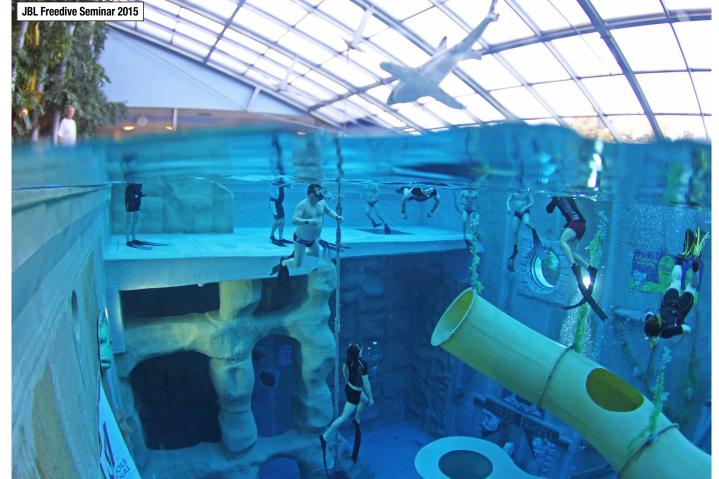


• 2 sizes

JBL ProSilent Aeras

/1000001100					
Action Aire Piccope of Piccope of Name and a statement Statement Statement Statement Statement Statement	 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	♦ ♦ ₩ ₩ ₩	
Action Aire Lucky Claracit Phone Mark de state	 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		Aquarium
ActionAir Contraction Contract	 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		
Actionality Actionality Presenter Present	 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		
ActionAir Backing at Cacle Cac	 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	 ▲ ★ ✓ 	
Action Air Medication Medica	 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	♦ ♦ ₩ ₩	
Action Air Mydery Dyce	 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	♦ ♦ ₩ ₩	

ActionAir Waving Packar However Storman	 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	
Action Air Control of Control of	 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	
ActionAir Ceitheir Ce	 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	
Action Aire Catholice Mannael	 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	



Aquarium

♦ ♦ ★ ★

♦ ♦ ★ ★

	JBL MotionDeco Medusa XL WHITE	Art. no.	Colour	UP	(ATT)		
JBL MotionDeco Meduce XL Percentice Adduce demand	 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). 	60450	white	2		~	
A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWN	JBL MotionDeco Medusa XL BLUE	Art. no.	Colour	UP	17700		ш
MotionDeco Modures XL Presentier Minister decomposition	 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. 	60451	blue	2		~	Aquarium
Int	JBL MotionDeco Medusa XL ORANGE	Art. no.	Colour	UP			
MotionDeco Motoreta Percenta Atlante decentary	 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. 	60454	orange	2		~	
IRI	JBL MotionDeco Medusa Set BLUE	Art. no.	Colour	UP	(TT)		
MotionDeco Matura Matura Soft So	 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. 	60452	blue/ white	2		~	
	JBL MotionDeco Medusa Set PINK	Art. no.	Colour	UP			
MotionDeco	 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. 	60453	pink/ white	2		•	
	JBL MotionDeco Lionfish	Art. no.		UP	SHIER OF STREET		
UBL MotionDeco Ubrefielde Ubrefie	 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. 	60455		2		•	
	A P. M.				1 PAL 1		



 JBL BabyHome Oxygen Premium spawning box with air pump Extra large spawning box with integrated oxygen supply. The rising air bubbles ensure good water circulaton 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	Watt 3 W		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: Single spawning box Double spawning box 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	

Accessories > Artemio



JBL Artemio

JBL

Artemio

JB Artemio

abyL

You Tube

JBL

 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	
 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	
 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	
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	
 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

2

UP

2

UP 3

UP

3

UP 3









JBL	JBL N-Box	Art. no.			UP	
	 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 	61502			6	
Table and the second	JBL BabyHome Oxygen	Art. no.	Watt		UP	de la companya de la
but Covyen	 Premium spawning box with air pump Extra large spawning box with integrated oxygen supply. The rising air bubbles ensure good water circulaton 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. 	64320	3 W		2	
	JBL DisCon	Art. no.	Ø	Height	UP	i illen
AJRL. Discon	 Spawning cone for discus Unbreakable, made of neutral plastic. Easy to clean and disinfect. Preferred to other materials by discus. 	61366	111 mm	255 mm	1	
	JBL Ceramic spawning cave	Art. no.	Ø	Height	UP	
9	 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. 	61501	115 mm	125 mm	12	

Accessories > Small parts/snail trap



You

Yõtt





 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 117 mm	Width 90 mm	UP 6
JBL NovoStation	Art. no.	Size		UP
 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. 	61369	90x90 mm		6
JBL Food Clip	Art. no.			UP
 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. 	63163			6



Aquarium

3301103		x Hyur	omoto	1		
ometer	JBL Aquarium thermometer	Art. no.			UP	
	 Precise glass thermometer including sucker holder. Indication of the optimum temperature range. Complete with an acid resistant and alkali resistant suction holder. Floats without suction cup. Intended for an operation with suction cup. 	61405			12	
,	JBL AquaThermometer Premium Slim precision thermometer, exact to 0.5° C	Art. no.			UP	
	 15 cm long glass capillary, German-made. All temperatures from 0 to 50° C. Including acid and alkali-resistant suction holder. 	61407			12	
	JBL Digital thermometer Attaches to aquarium wall from the outside.	Art. no.			UP	C F 34a
nerique	 Accurate measurement. Optimum temperature range indicated. 	61406			12	32m 30m 29m 28m 27m 26m 26m 25m 25m 23m 23m 22m
Q						21 m 20cr 도크
	JBL Hang On Aquarium Thermome-	Art. no.	For glass		UP	-00
	 ter Precision thermometer for hanging Elegant, bent glas body enables hanging over the aquarium glas. Precision capillary made in Germany. Available in three variations: 11,5 cm length for glas strength of 6 mm, 16,5 cm length for a glas strength of 10 mm and 16,5 cm length for a glas strength of 15 mm. Temperature range: 0.0 to 40 °C. 	61211 61212 61213	6 mm 10 mm 15 mm		6 6 6	
	JBL Aquarium thermometer Mini Elegantly designed mini thermometer	Art. no.	Length	Ø	UP	
Meder Mini (Ceguarium)	 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. 	61216	60 mm	5 mm	12	
	JBL Precision hydrometer	Art. no.			UP	
	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.	61408			1	

• Transport cylinder serves as practical measuring vessel.



♦ % *

♦ ♦ ★ ★

*

JBL

JBL

AquaSil	

JBL

 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. 61390 61393	Content 80 ml 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. 61391 61394	Content 80 ml 310 ml		UP 6 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

Accessories > Miscellaneous



JBL AquaPad	Art. no.	Length
 Special underlay for the aquarium & terrarium Prevents tension in the glass and compensates unevenness in the bottom. 	61100 61101	60 cm 80 cm
Belongs under every aquarium or terrarium!	61102	100 cm
	61106	100 cm
	61103	120 cm

Art. no.	Length	Width	UP	
61100 61101 61102 61106 61103 61104 61105	60 cm 80 cm 100 cm 120 cm 120 cm 120 cm	30 cm 40 cm 40 cm 50 cm 40 cm 50 cm 50 cm	6 6 3 3 3 3	



Accessories > Miscellaneous



JBL CombiFix	Art. no.	Length	UP	
 Plant tongs 46 cm long tongs made of strong plastic. For all work in fresh- and saltwater aquariums. 	61505	46 cm	6	





⊊ ★ ★

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.
- 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.
- **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	Art. no. 61368	Content
 gravel Unbreakable plastic. Anchors all plants to the substrate without damaging growth, until roots have taken firm hold. For fresh and saltwater 		12 poo.



UP

6

Accessories > Miscellaneous > Installation & maintenance of ProScape



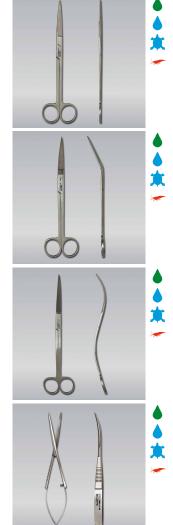






 JBL ProScape Tool S straight Straight trimming scissors for aquascaping For the professional clipping of plants. Stainless, high-quality steel, made in Japan, (with extremely smooth surface). Extremely high cutting precision. Weight-optimized, only 60,5 g (S 20 = 20 cm long) and 92,5 g (S 30 = 30 cm long) lightweight for fatigue-free work. 27 mm sized finger holes also suitable for bigger fingers. 	Art. no. 61540 61541	Length 20 cm 30 cm	UP 1 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. 61543 61544	Length 20 cm 30 cm	UP 1 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. 61546	Length 20 cm	UP 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. 	Art. no. 61547	Length 16 cm	UP 1

• 27 mm sized finger holes also suitable for bigger fingers.





P 30 STRAFT	 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. 61548	Length 30 cm	UP 1	
P 20 Example A	 JBL ProScape Tool P slim line Stender 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. 61549	Length 30 cm	UP 1	
P 30 BWRD	 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. 61550	Length 30 cm	UP 1	
SP 20 SP 20 SHART	 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. 61551	Length 30 cm	UP 1	
Proceeding	 JBL ProScape Tool Bag Work bag for scaping tools. Offers quick access to the scaping tools, used as belt bag or in an open standing position, to set-up an aquarium. With loops for 6 tools (JBL ProScape Tools) and mesh pocket. With sturdy plastic insert, to give the bag a stable open standing position. Waterproof design. Size: 16 x 33.5 cm. As belt adjustable from 105 to 167 cm. As sling for all sizes. 	Art. no. 61555		UP 1	PRO_BUT



The world's best aquascapers use JBL products









Although aquascaping is an art, any aquarium owner can set up an aquarium artistically. There are are no rules and anyone can scape as they want, whether it's a biotope aquarium or a reproduction of a landscape.

Here is one of Philipp Tauchmann's aquascapes.







ground-dwelling fish.



JBL Manado	Art. no.	Content	Range	
Natural substrate which filters and enhances plant growth.	67021	1,5 I	101	
Supports the filter with its large colonisation area for pollutant-ab-	67022	31	25 I	
sorbing bacteria.	67023	5 I	50 I	
The dedicated structure supports the development of plant roots.	67024	101	100 I	
Restricts the growth of algae by absorbing excess fertiliser from the water.	67025	25 I	350 I	
 The rounded shape is also gentle on the sensitive barbels of 				



UP

JBL Expedition 2010 Zanzibar





 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. 	67050 67051	5 kg 10 kg	42	
JBL Sansibar WHITE	Art. no.	Content	UP	
 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. 	67055 67056	5 kg 10 kg	4 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 ShrimpsSoil	JBL ProScape ShrimpsSoil	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 , 9	3 , 9	3 , 9	3 , 9	3 , 9

JBL verd Sansibar River River South of the second	 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. 67058 67059	Content 5 kg 10 kg	2	P 4 2	
JBL water Sansibar South and the second seco	 JBL Sansibar SNOW Snow-white fine gravel for aquariums Very decorative substrate for aquariums and aqua terrariums. Natural ground material without artifical 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. 67060 67061	Content 5 kg 10 kg	2	P 4 2	
JBL wat Sansibar Cruy Ba	 JBL Sansibar GREY Grey, fine gravel for aquariums Very decorative substrate for aquariums and aqua terrariums. Natural ground material without artifical 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. 67062 67063	Content 5 kg 10 kg	2	P 4 2	
CRINICS Sansibar Cornics Cornics	 JBL Sansibar ORANGE Orange, fine gravel for aquariums and aqua terrariums. Very decorative substrate for aquariums and aqua terrariums. Natural ground material without artifical 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. 67064 67065	Content 5 kg 10 kg	2	P 4 2	
JBL water Sansibar Rep Ster	 JBL Sansibar RED Red, fine gravel for aquariums Very decorative substrate for aquariums and aqua terrariums. Natural ground material without artifical 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. 67066 67067	Content 5 kg 10 kg	2	P 4 2	



	JBL Manado	JBL Sansibar Dark	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

Aquarium

Ľ

Ì

Ľ

PRO_EITH SCAPE	 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. 67073 67074	Content 3 I 9 I	UP 5 2	
BUT PLANT LINE IN ANY OF THE PLANT LINE IN ANY	 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. 67080 67081	Content 3 I 9 I	UP 5 2	
STATE OF CONTRACT	 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. 67075 67076	Content 3 I 9 I	UP 5 2	
PRO EITH SCAPE SHRIMPS SOIL 2000	 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. 67084 67085	Content 3 I 9 I	UP 5 2	
PRO EDIT	 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. 67077 67078	Content 3 I 9 I	UP 6 2	



Aquarium

5

JBL FXDL • Rek weidtliger • Gile per deur mite	 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. 61210	Content 50 ml	For 2,0x0,8 m	UP 6	
Decoration >	Miscellaneous > Cocos Cava					



JBL Coccos 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 61511 61512 61514 61513	Size 1/2 L 1/2 M 3/4 L 1/1 M 1/1 I	UP 6 3 3 3	
	61513	1/1 L	3	

Decoration > Miscellaneous > Roots



JBL Mopani Roots Attractively shaped root wood for decoration	Art. no.	Size	Size	UP	
 Weighty, will not usually float. 	67011	S	10-27	6	
 Roots are gathered, therefore no destruction of the environment. Soak roots in water for a few days to avoid brown discoloration. 	67012	Μ	cm 20-35 cm	30	
	67013	L	30-40 cm	1	
JBL Mangrove Roots	Art. no.	Size	Size	UP	
Mangrove wood roots Provides armored catfish with vital fibers. The root can be weighted down to prevent floating. 	67031	S	10-20 cm	12	
 Soak in water for a few days before using to prevent brown discoloration. 	67032	Μ	25-35 cm	3	





Food > Turtles/Terrapins > Main food



JBL

JBL JBL

ill pack **JBL** Nach

 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
	70346	10,5 l	4200 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. 70322 70323	Content 250 ml 1000 ml	Weight 25 g 110 g	UP 12 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. 70313 70314	Content 1000 ml 2500 ml	Weight 150 g 430 g	UP 6 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

 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. 70360	Content 100 ml	Weight 13 g	UP 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. 70351	Content 100 ml	Weight 37 g	UP 6	





Food > Tortoises > Main food



JBL

Art. no.	Content	Weight	UP
70452 70453	250 ml 1000 ml	165 g 700 g	6 3
Art. no.	Content	Weight	UP
70331	100 ml	43 g	6
		0	6
70333	1000 mi	420 g	6
	70452 70453 Art. no.	70452 250 ml 70453 1000 ml Art. no. Content 70331 100 ml 250 ml 250 ml	70452 250 ml 165 g 70453 1000 ml 700 g Art. no. Content Weight 70331 100 ml 43 g 70322 250 ml 105 g





UP JBL Iguvert Complete food for iguanas and other plant-eating Art. no. Content Weight 70282 250 ml 6 105 g reptiles 70283 1000 ml 420 g 6 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.







The right food for your turtles and tortoises

European tortoises



Staple food

JBL

JBL Herbil Organic green food with Bioland seal · Pure vegetable food Healthy growth without shell problems



Testudo marginata

JBL

 JBL Agivert
 Pure vegetable food sticks Healthy growth without shell problems
 Multivitamin complex and stabilised Vitamin C for increased resistance

Testudo areaca iberia

• Cucumber

• Apple Zucchini

Carrot

Melon

Not suitable: Tomato • Banana

- Citrus fruit
- · Food containing meat





Health care

JBL TerraBasis

Mixed 50 : 50 with

JBL TerraBark 5-10

Substrate

JBL Tortoise Shine - shell care, combats parasites JBL Tortoise Sun Terra - multivitamin preparation JBL MicroCatcium - idea calcium supply JBL Biotopol T - drinking water conditioner for terrarium anima<u>t</u>s

Tropical tortoises – Arid regions



Geochelone elegans

Geochelone radiata

Supplement to staple food: Salad (not lettuce), dandelion, wild herbs, clover, chickweed

Tropical tortoises – Rainforest

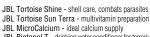


Geochelone carbonaria

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 stribulical Vitemin C

for increased resistance

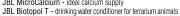
Not suitable: Citrus fruit, food containing meat



Health care

Substrate

JBL Tortoise Shine - shell care, combats parasites JBL Tortoise Sun Terra - multivitamin preparation JBL MicroCalcium - ideal calcium supply





Not suitable: Citrus fruit, food containing meat



Geochelone sulcata

































Geochelone denticulata





JBL Biotopol T - drinking water conditioner for terrarium animals

Staple food

JBL Herbil Organic green food with Bioland seal

JBL TerraBasis Mixed 20 : 80 with JBL TerraSand Pure vegetable food pellets Healthy growth without shell problems



and stabilised Vitamin C

Supplement: Hay, ruccola, wild herbs, apples, pears

Turtles (swamp areas)



Staple food





JBL ProBaby Special food for young turtles

JBL Rugil Food sticks for Staple food for all turtles



Terapene major

JBL Gammarus Washed water fleas, staple food for all turtles

JBL.

200



JBL Agil

Food sticks

for tortoises

Rain worms

Tubifex (JBL NovoFex) Fish Slug and shellfish

meat meat Mosquito larvae and tubifex as frozen food

: Baby mice Sweet fruit

Red mosquito larvae (JBL NovoFil)

Supplementary food

JBL Tortil

Food tablets for turtles

JBL Energil

fish and shrimp

JBL Calcil

Mineral food

sticks for

tortoises

Tropical turtles (swamp areas)

Treats containing



Care products

Equipment

Ratio land 25 % & water 75 %Coarse gravel, wood roots (mangroves), sepia 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





small turtles

Rhinoclemmvs pulcherrima

Staple food

• Fruit (except citrus fruit)

- Slugs
- · Baby mice
- · Rain worms
- Fish

JBL Gammarus Washed water fleas, staple food for turtles

JBL

Gammard



Supplementary food



JBL Energil Treats containing fish and shrimp



JBL Turtle Food Staple food for all turtles

Turtles



Food sticks for small turtles



Care products

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





Staple food



JBL ProBaby

Special food for

young turtles



JBL Rugil

small turtles

Food sticks for



Food

all turtles

Staple food for



turtles

Platemys platycephala



Food sticks

for tortoises





Cal

shrimp

sticks for tortoises



Pseudemys concinna

Supplementary food



JBL Energil Treats contai-ning fish and



JBL Calcil Mineral food



Chinemys reevesi

Care products

Equipment

Ratio land 25 % & water 75 % Coarse gravel, wood roots (mangroves), sepia 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

JBL

Terrarium









Food > Vitamines/Minerals

⊊ر ★

5

9

Terrarium

	11111163/11111161 013					
A CONTRACTOR OF	 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	A Constant of the second secon
JBL DEL CerceVie Maintenie Ma	 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. 1.5ml dosage spoon for 1g TerraVit. 	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	
Armente BEL DECENCIÓN Company	 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 PermoCriter Fir critien Prickets	 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 CPICK BOOK CHICK B	 JBL CrickBox Shaker container to sprinkle powder on feeder insects e. 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	Crick Bon

Care products

JBL	
Bictopol T	
C Universitiener for Stocker and C Stocker and Stocker	
10 50	
Pio Sera	
and the second s	

 JBL Biotoppol 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. 71001	Content 50 ml	Range 200 I	UP 6	
JBL Tortoise Shine Cares for the shell. • Highly effective against ticks!	Art. no. 70450	Content 10 ml		UP 6	
 JBL EasyTurtle Bemoves 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. 71036	Content 25 g	Range 50 I	UP 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.	Art. no. 71005	Content 30 g		UP 6	

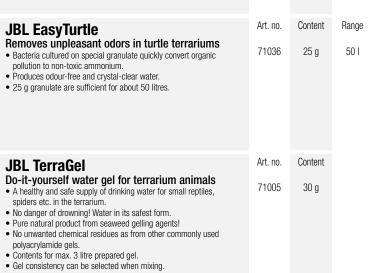














Technic > Light



JBL UV-Spot plus	Art. no.	Perfor- mance	Socket	UP
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.	61834	80 W	E27	2
	61838	100 W	E27	2
	61839	160 W	E27	2



Technic > Light > Lighting



 JBL ReptilSpot HaloDym Halogen lamp for light (neodymium) + Heat A special radiating lamp made of neodymium glass with a balanced daylight spectrum. The neodymium glas 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" unter this lamp. 	Art. no. 61866 61867 61868	Perfor- mance 28 W 42 W 70 W	Socket E27 E27 E27	UP 3 3 2
JBL ReptilDay 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 an unitiant and indicate the surroundings as much as an unitiant and indicate the surroundings.	Art. no. 61841 61842 61843 61844	Perfor- mance 35 W 50 W 75 W 100 W	Socket E27 E27 E27 E27 E27	UP 6 6 4 4

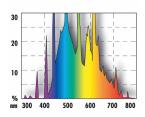
conventional spotlights with the same wattage.

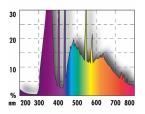
Technic > Light > Solar Light tubes T8



 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. 61590 61591 61592 61593 61594 61595	Perfor- mance 15 W 18 W 25 W 30 W 36 W 38 W	Length 438 mm 590 mm 742 mm 895 mm 1200 mm 1047 mm
 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. 61650 61651 61652 61653 61654 61655	Perfor- mance 15 W 18 W 25 W 30 W 36 W 38 W	Length 438 mm 590 mm 742 mm 895 mm 1200 mm 1047 mm







Technic > Light > SOLAR light tubes T5



JBL SOLAR REPTIL SUN ULTRA T5 fluorescent tube for desert animals (standard lengths)

- 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.

Perfor-	Length	UP
mance		
24 W	550 mm	4
39 W	850 mm	4
54 W	1150 mm	4

Art. no.

61597

61598

61599

UP

4 4

4

4

4 4

UP

4

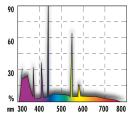
4

4

4

4

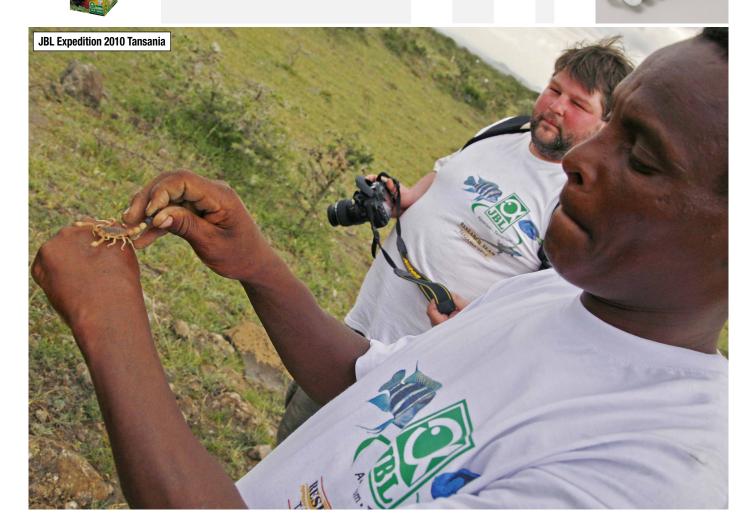
4



Terrarium

Technic > Light > SOLAR energy-saving lamp

	 JBL ReptilDesert Energy-saving lamp for desert terrariums Available in two different versions: JBL ReptilDesert UV 300 = 10.0 (300 µW/cm2 at 5 cm distance, 220 µW/cm2 = natural in 7.5 cm), 15 W, 6500 K, high UV-A and UV-B concentration. JBL ReptilDesert UV 480 = 10.0 (480 µW/cm2 at 5 cm distance, 200 µW/cm2 = natural in 10 cm), 23 W, 6500 K, very high UV-A and UV-B concentration. 	Art. no. 61851 61852	Perfor- mance 15 W 23 W	Socket E27 E27	UP 3 3	
A CONTRACTOR OF	 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. 61850	Perfor- mance 24 W	Socket E27	UP 3	
	 JBL ReptilJungle Energy-saving lamp for rainforest terrariums Available in two different versions: JBL ReptilJungle UV 190 = 5.0 (190 µW/cm2 at a 5 cm distance, 20 µW/cm2 = natural in 20 cm), 15 W, 6500 K, medium UV-A and UV-B concentration. JBL ReptilJungle UV 310 = 5.0 (310 µW/cm2 at a 5 cm distance, 20 µW/cm2 = natural in 30 cm), 23 W, 6500 K, medium UV-A and UV-B concentration. 	Art. no. 61856 61857	Perfor- mance 15 W 23 W	Socket E27 E27	UP 3 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. 61855	Perfor- mance 24 W	Socket E27	UP 3	



BL CONTROL OF	 JBL ReptilDesert L-U-W Light alu L-U-W solar light (spot light) made of aluminium for rainforest terrariums The complete solution: Supplies L(ight) + U(V) + W(armth) with 25 ° spot. 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, more UV output, no overheating of the burner, as well as for better ignition. A special ballast (JBL TempSet L-U-W) is needed for each wattage. 	Art. no. 61890 61891 61892	Watt 35 W 50 W 70 W	UP 2 2 2	
BILL COLUMN TO THE SECOND	 JBL ReptilJungle L-U-W Light alu Aluminium L-U-W wide-beam spotlight for nainforest terrariums The complete solution: Supplies L(ght) + U(V) + W(armth). 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, more UV output, no overheating of the burner, as well as for a better lightion behaviour. A special ballast (JBL TempSet L-U-W) is needed for each wattage. 	Art. no. 61894 61895 61896	Watt 35 W 50 W 70 W	UP 2 2 2	
LUBL CHILDRAN CHILDRA	 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 L-U-W). 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. 61878 61875 61879	For 35 W 50 W 70 W	UP 1 1	

Art. no.

71186

71187

Size

100 mm

130 mm

up to

30 W

Size

М

L

UP

2 2

UP

2

Technic > Light > Accessories

	 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.
JBL	JBL TempReflect light Reflector screen for energy-efficient lamps • 100 % duplication of light as a result of the high gloss reflector.

JBL TempReflect light	Art. no.
Reflector screen for energy-efficient lamps • 100 % duplication of light as a result of the high gloss reflector.	71189
• 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.







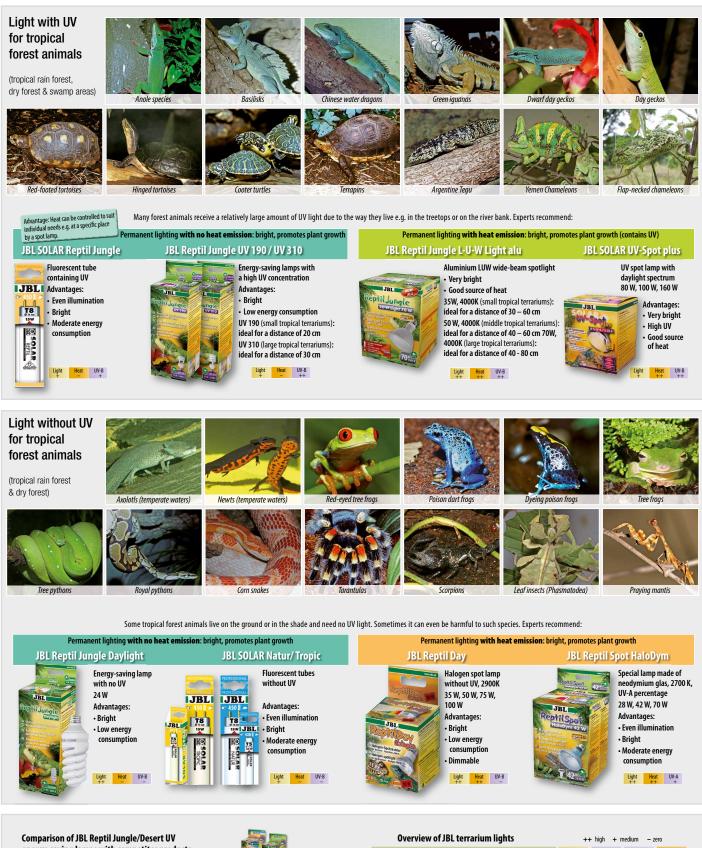
Terrarium

S~(★ ★

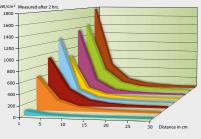
黨

寡

The right light for your terrarium



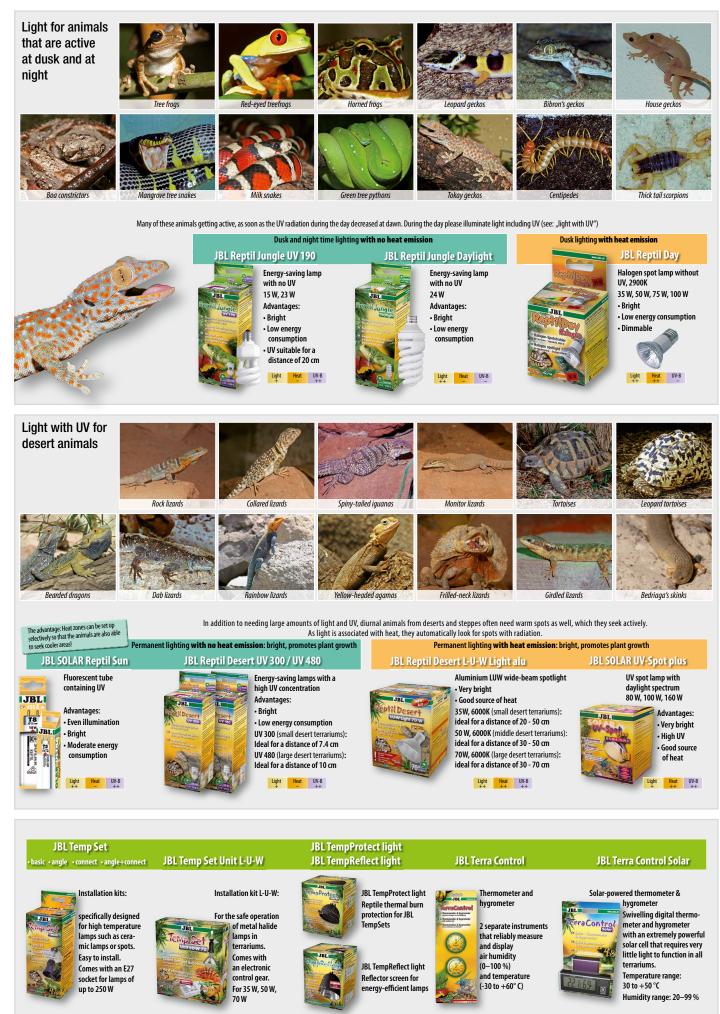
energy-saving lamps with competitor products The JBL lamps achieve the best UV-output in comparison.





Overview of JBL terrarium lights			++ high + medium — zero				
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





JBL ReptilHeat Ceramic heat lamp (dimmer lamp) for the terrarium Ideal heat radiation for terrarium animals.

- · Can be fitted inside the terrarium.
- Requires special socket (see JBL TempSet)

JBL TempSet basic

Installation kit for lamps in terrariums



Art. no.	Perfor- mance	Size	UP
71147	8 W	280x180 mm	2
71148	15 W	280x350 mm	2
71149	25 W	280x600 mm	2
	71147 71148	mance 71147 8 W 71148 15 W	mance 71147 8 W 280x180 71148 15 W 280x350 71149 25 W 280x600

Art. no.

71173

71174

71175

Perfor-

mance

60 W

100 W

150 W

Socket

E27

E27

E27

UP

1

1

UP

ΙP

UP

ΙP

Socket

E 27

Art. no.

71183

Socket

E 27

Art. no.

71180





Technic > Heater > Accessoires

a special resin.

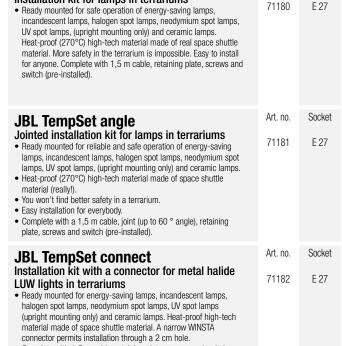


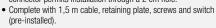
JBL TempSet Heat	Art. no.	up to	Socket	UP
Heat radiator for radiating lamp (socket with protective cage)	71185	160 W	E27	2
 Ready-to-be-mounted porcelain socket E27 with reflector, 2 m cable and protective screen and protective mesh especially for heat lamps (dimmer lamps such as JBL ReptilHeat). The screen is made of stable, heat-resistant special plastic with narrow slits; the mesh is made of stainless steel (more stable than aluminium). 				



Technic > Miscellaneous









- · Ready mounted for the safe operation of energy-saving lamps, incandescent lamps, halogen spot lamps, neodymium spot lamps, UV spot lamps (upright mounting only) and ceramic lamps
- · Heat-proof (270°C) high-tech material made of space shuttle material (really!).
- A narrow WINSTA connector permits installation through a hole of 2 cm





mineral powders e.g. JBL MicroCalcium.

Shaker container to sprinkle powder on feeder

· Clean, simple and practical help in sprinkling feeder insects with

JBL CrickBox

• 9 cm x 6 cm size cans.

insects









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:30x25x-12cm (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. 71070 71071 71072 71073 71074 71075	Size XS M L XL XXL
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:30x25x- 12cm (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. 71076 71077 71078 71079 71080 71081	Size S M L XL XXL
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:30x25x- 12cm (XXL ideally suitable as bathing bowl). • Dishwasher-proof to 65 °C. • With "rescue ladder" to prevent drowning of feed animals. Heaw-ditu: stable design to prevent accidental knocking over	Art. no. 71082 71083 71084 71085 71086 71087	Size XS S M L XL XL

Heavy-duty, stable design to prevent accidental knocking over.

Accessories > Miscellaneous > Monitoring

Thermometer & Hygrometer

JBL TerraControl



Control

JBL ...

D and 61517	 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. 			6
Art. no.	JBL TerraControl Solar	Length	Height	UP
meter for 71164 ernely little le sided	 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. 	95 mm	65 mm	6
Art. no.	JBL TerraSafe			UP
61516	Keylock for terrarium panesFor all panes up to 8 mm glass thickness.With two keys.			10
le sided is desired. Art. no.	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. JBL TerraSafe Keylock for terrarium panes • For all panes up to 8 mm glass thickness.			0.



UP

6

UP

Art. no.

71034

Art. no.

Size

6 x 9 cm







*

-

126

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	0P
 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		0 6



Accessories > Decoration/protection



	 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
constant (constant)	 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 71089 71090	Size S M XL	UP 2 1 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 71093 71094	Size S M XL	UP 2 1 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 71097 71098	Size S M XL	UP 2 1 1
	 JBL Coccos 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 61511 61512 61514 61513	Size 1/2 L 1/2 M 3/4 L 1/1 M 1/1 L	UP 6 3 3 3













Accessories > Substrate

JBL TerraBasis Bottom-covering material

	DI
Terra	Basis
 Sol pour terrariums Suolo per terrari 	Oround-covering naterial Ser fornizians Bodemgrand voor terroriums or for
O Tierra básica para terrarios	Everanders Everandersin (Ser terrareline Torra copecial para vivelnos,
N T T	
	ENL.

JBL

reco

9 *****

 Bottom-covering material For humid and semi-humid terrariums. Does not contain fertiliser. High humidity capacity. Loose bottom-covering provides activity for digging animals. 	71010 71012	5 20
 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. 71015	Content 5 I
JBL TerraCoco Compact Natural coconut chippings, in compressed form • Contents + 3 I water make 5 I coir chippings.	Art. no. 71025	Content 450 g
JBL TerraCoco Humus Natural coconut humus in compressed form • Contents + 4 I water make 8 I turf-like ground covering material for forest and rain forest terrariums.	Art. no. 71026	Content 600 g
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. 71016 71006	Content 5 I 20 I

Content

Art. no.

UP

4 1

UP

1

UP 6

UP 6

UP

1

1







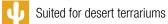






Substrates of the terrarium – 1

In addition to the lighting the substrate is one of the most important factors for a near-natural care of animals in the terrarium. Mixtures of two different types are often ideal. It's really important to select a substrate which is suitable for your purpose.





Suited for rainforest terrariums



JBL TerraBasis

Indian python/royal python, corn snake, pilot black snake, Arizona king snake, water agama, mountain dragon, anolis, common iguana, garter snake, tortoise, tree frog, toad, dart frog, red-bellied toad, hairy mygalomorph, emperor scorpion, Madagascar gecko, chameleon

JBL TerraCoco

Giant boa and python species, large monitor species, large water agama, large common iguana

JBL TerraCoco Compact

JBL REAL

Dry as for TerraCoco, wet as for TerraBasis



JBL TerraCoco Humus

Indian python/royal python, corn snake, pilot black snake, Arizona king snake, water agama, mountain dragon, anolis, common iguana, garter snake, tortoise, tree frog, toad, dart frog, red-bellied toad, hairy mygalomorph, emperor scorpion, Madagascar gecko, chameleon



JBL TerraWood

Giant boa and python species, large monitor species, large tegu, large water agama, large common iguana



Accessories > Substrate

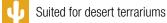
		 JBL TerraSand natural red Bottom covering for desert terrariums Fine, virtually dust-free sand. Ideal bottom-covering material for desert animals e.g. spiny-tailed lizards, snakes, etc. The granulation encourages the natural digging behaviour of many species. Round particles reduce abrasive effect on the skin of the animals. Graining: 0,05-1 mm 	Art. no. 71017	Content 7,5 kg		UP 3	
		 JBL TerraSand natural yellow Bottom covering for desert terrariums Yellow, fine and virtually dust-free sand for desert terrariums, ideal for e.g., agamidae, chalcides 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. 71018	Content 7,5 kg		UP 3	
•	JBE PORTONICAL STATES	 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. 71019	Content 7,5 kg		UP 3	
~	JBL DECEMBENT DE	JBL TerraBark Bottom covering from 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. 71021 71024 71020 71022 71023	Content 5 20 5 20 20 20	Graining 2-10 mm 2-10 mm 10-20 mm 10-20 mm 20-30 mm	UP 1 1 1 1 1	

G.



Substrates of the terrarium – 2

In addition to the lighting the substrate is one of the most important factors for a near-natural care of animals in the terrarium. Mixtures of two different types are often ideal. It's really important to select a substrate which is suitable for your purpose.





Suited for rainforest terrariums



JBL TerraSand – white

Bearded dragon, leopard lizard, rubber snake and Turkish sand boa, horned toad, common agama, desert iguana, spiny lizard, ridge-tailed monitor, mastigure, rainbow curly-tailed lizard, desert scorpion



JBL TerraSand – yellow; red

Bearded dragon, leopard lizard, rubber snake and turkish sand boa, horned toad, common agama, desert iguana, spiny lizard, ridge-tailed monitor, mastigure, rainbow curly-tailed lizard, desert scorpion



JBL TerraBark – pine bark 2-10 mm

Indian python/royal python, corn snake, pilot black snake, Arizona king snake, water agama, mountain dragon, anolis, common iguana, garter snake, tortoise, tree frog, toad, dart frog, red-bellied toad, hairy mygalomorph, emperor scorpion, Madagascar gecko, chameleon



JBL TerraBark – pine bark 10-20 mm

Arizona king snake, water agama, mountain dragon, anolis, common iguana, garter snake, tortoise, tree frog, toad, dart frog, red-bellied toad, hairy mygalomorph, emperor scorpion, Madagascar gecko, chameleon



JBL TerraBark – pine bark 20-30 mm

Boas, pythons, water agamas, monitors, common iguanas and large tortoises



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.

ZOO MAIER

You will find the JBL Fan Shop on the JBL homepage under: http://www.jbl.de/en/fanshop



AQUARISTIK TERRARISTIK	 JBL Product catalogue 2016 Full colour catalogue of all aquarium- and ter- rarium products 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	Sold - 2016 Aquadum texastr Reference texastr Te
	 JBL Pond product catalogue 2016 Full colour catalogue of all pond products 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	POID BASSIST C
JBL Einrichtung eines Aquariums	 JBL Folder Setting up an aquarium Booklet on the subject of: Setting up an aquarium 30-page coloured booklet, A5 size. Subjects: The aquarium, substrate, decor, technical equipment, water, plants, fish, care, literature Available in the followingLanguages: 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	and and a
JBI 2 Wer Wer Mereis Aquarien- Wasser	 JBL Folder Aquarium water Brochure: Aquarium water 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 7 Was West Marching Activity	 JBL Folder The right lighting for aquariums and terrariums Brochure: The right lighting for aquariums with JBL SOLAR 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	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	 JBL Folder ProScape Information and products about aquascaping 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 for wateranalyse To record all water analysis results. 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	

	-						1000
					Bell services a first		
	Statute and				dis later to the		
	Paginan & hitself	-	Participant (Thinks I had been		States into	strend & ink for
	State of the local	a here			and the second		All of the local division of the local divis
Anglad Ang		2012/021	Adapter of the local diversion of the local d	Antipatt.	Contract Spin of A.S.	Rinke	100
diaste .			-	Annual Survey of Street, or other	And the other	and in case in the	-
-		-		Barren -			States of States
-			-	meret an	The state		States in the
		Sand Shapin	- and a state of	Para la state		States and	and the second
And Annual Property of the Party of the Part	And Personnel N	100000	Contraction of the		Maria and		
A same it into the same	And a Designation of the local division of t			Resourcement in success like			distant .
-		1000	Statement of strength of the	Barratus & B.B.A.S.	Concept of Street, or	the shiplants have	A DESCRIPTION OF THE OWNER OWN
-	A strength of the			ATERATE.	ampart.	100 102 AL	
			aread .	100.0255	STOCKES.	- BRANNING BRANN	
A business & bother		1.0m	a ward	Associate & Date	Name and A divis	The state of the s	
A DOWN AVER	A LAND PROPERTY		Property	Married Street, or other		and have been	and party of
Andr .	1959	Strengtheness of Streng	diam'reason	Annual Concession of the local division of t	31.1 12 ⁻⁰		manth
A Sardor A Ballow	And A Reason	Contraction of the local division of the loc	a tauta	Address of the owner owner owner owner owner owner owner own			
	A-16-100			Annual States	1111110.0		

Promotion > Brochures – Flip Charts - Sticker

. 12 pages, fully illustrated in colour.

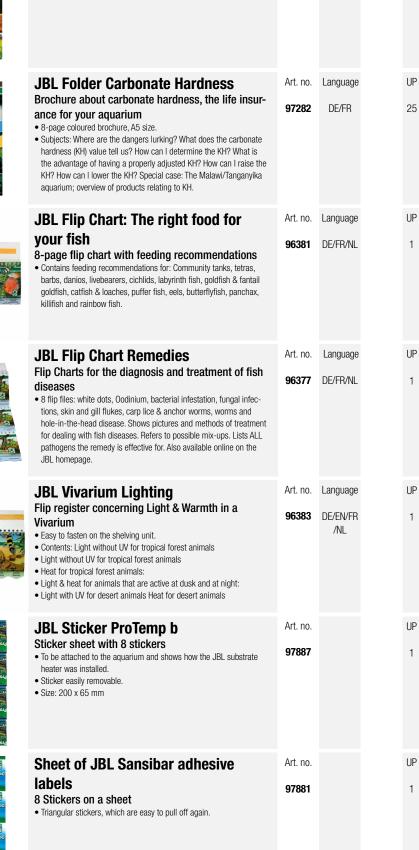
Size: DIN A5

JBL Folder Algae – what now? Brochure about fighting algae in the aguarium

Algen – was nun?	Erkennen-Bekämpfen- Vorbeugen Für Sü8- und Meer- wasser.
Verher	Nachher
No.	



Das richtige Futter





UP

25

Art. no. Language

DE

97014













JBL Online

Information, Downloads and Videos for your hobby



	 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. 95421	Length 42 cm	Width 18 cm	UP 50	5000
	 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. 95422	Length 52 cm	Width 24 cm	UP 50	
te su de la constante de la constan el constante de la constan	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. 95423	Length 60 cm	Width 30 cm	UP 25	
Artife Froj 1008 Artife Rot 10	JBL Rubber rings (rubber bands) 1 kg for (e.g.) fish bags of all sizes	Art. no. 95260	Weight 1000 g	Content ~ 3000 pc.	UP 1	
	JBL Carrier Bag Strong plastic transport bag. • Size incl. carrier handles: approx.: 26 cm x 50 cm.	Art. no. 95463	Length 50 cm	Width 26 cm	UP 50	
	JBL Note pad Note pad with 50 pages. • Size: 15 cm x 7 cm.	Art. no. 95450	Content 50 sheets	Size 15x7 cm	UP 10	JBL Veu
- Start Barrier - Start Barrie	 JBL Assortment colourcharts Coulour 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. 97266			UP 1	NO TO

	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	Social States and Stat
AND THE AND TH	JBL Business Card JBL PlanktonPur / JBL ProScape Card with reference to JBL ProScape and JBL PlanktonPur • Practical card with QR code and reference to the JBL ProScape concept on one side.	Art. no. 99329	Language DE/EN/ FR/NL	UP 30	
Acclimor	 Dosing dispenser for JBL Acclimol 500ml Do protect fish during transport Added to the transport water this provides fish with wide-reaching protection against infections. Doses either 0.2 ml JBL AccliPond for 4 litres transport water or 0.2 ml JBL Acclimol for 0.8 l transport water per stroke. Fits on the 500 ml JBL AccliPond or Acclimol bottle. 	Art. no. 95263		UP 1	
	 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	Prota
ASSALSTREAM DRUTSON	 JBL 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 labled 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	REGALSTREIFEN REARDS
A Approximate againing to the second se	 JBL Shelf Strips (will be suplemented 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	MPA MACROELEMENT MACROELEMENT PROSCAPE: Dunger
	JBL Rack labels	Art. no. 97304		UP 1	

Ø

21,95

Fungo Gegen Pilzinfektione

SUPERIOR STREET

	 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. 		Language DE/EN/FR	UP 1	Byendhirogean Bitansdurth Pitach
	 JBL Shelf Talker Signpost for new products One-sided, color-printed shelf card marked "NEW". Can be attached on a shelf or plugged into the front rail. Size: approx. 12 cm. 	Art. no. 97849		UP 1	
	 JBL Shelf card holder Plastic clip for attaching shelfcards Will stick to any surface. For example, shelfcards are held in a 90° angle to the ground. Shelfcards are inserted and can be exchanged. 	Art. no. 97824		UP 1	
SEMINAR	JBL Notepad Notepad for seminars • 50 sheets. • Writing paper (squared). • A4 format. • With strong front cover and cardboard back.	Art. no. 95451		UP 1	
	JBL Sticker Oval sticker • 18 x 12 cm • To be applied on outside.	Art. no. 95011		UP 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. 97212	Language DE/EN/ FR/NL	UP 1	
L D D D D D D D D D D D D D D D D D D D	 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. 97210	Language DE	UP 1	



EXPEDITIO

JBL expeditions to the natural habitat of our aquarium and terrarium animals

Saint Vincent

Worldwide destinations of the JBL Expeditions

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.

Every fan of nature is eligible for participation: As soon as the details of a JBL Expedition have been set, they are posted on JBL's website. Then it's time to apply – and, with some luck, take part!

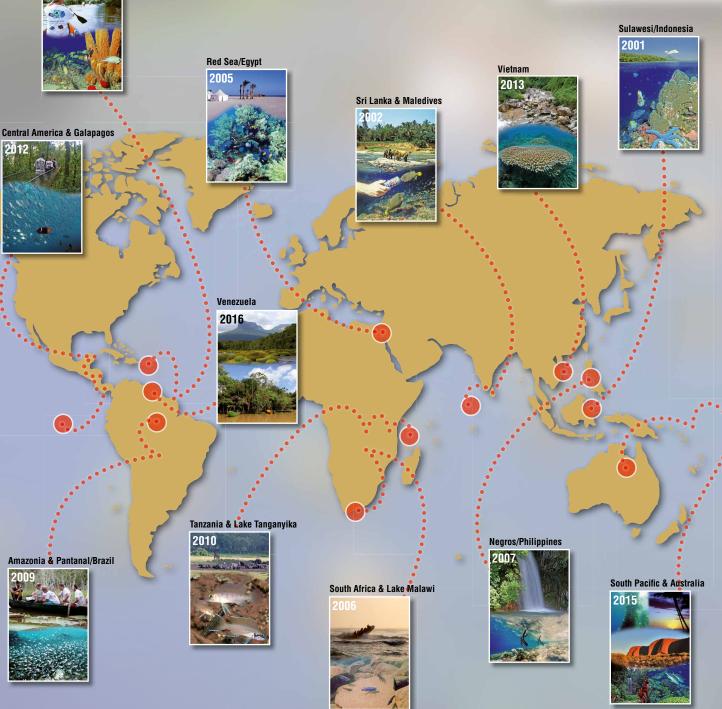
French Guyana & Caribbean

2004



RESEARCH TEAM

JBL EXPEDITION



Who can take part in the

JBL Expeditions & Workshops?

JBL Expeditions 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.

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.

What makes the JBL **Expeditions 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.







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 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 I	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
рН	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
and see	Fre	shwater bioto	pes	
and the states of	Lake Seper	Lake Uluna	rice field	Ronuanco River

ALL AND A	Luno oopor	Euro orana	noo nora	nonacino ninoi
Temperature (°C)	30,2	25,0	35,0	29,2
рН	8,45	6,30	6,60	7,60
Carbonate hardness (°dk	(H) 4	3	3	5
Oxygen (mg/l)	7,8	7,8	?	7,5
GH (°dGH)	3	3	3	4
Conductivity value (µS/cr	n) 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 12 Stand Stand Stand

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!













AQUARIUM Team Research







DITION







Workshop 2005 Red Sea, Egypt





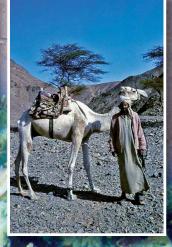




80 persons travelled to Marsa Shagra with the JBL Research Team in order to carry out seawater research under scientific guidance right in the reef. Shark researcher, Dr. Erich Ritter, came from Florida expressly to give a lecture on the body language of sharks to all of the participants. The following day, the scuba divers were able to try out what they had learned

els thereis to lead of

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 diatomes 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



PEDITION

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



1-1













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 airplane that all of the participants and their luggage could fit into (freshly bought, unpainted Boing 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

While this catalogue was being printed, the JBL research team of 14 people was underway on this round-the-world expedition from 8-25 October 2015. First they explored the kelp forests in the cold Pacific Ocean off the coast of California and compared them with the tropical reefs of the South Seas near Moorea and the Great Barrier Reef near Australia. Then they continued to the rainforests of the tropical north-east of Australia to analyse the habitats of the rainbow fish and reptile species. From Cairns they progressed to the Outback, the hot heart of Australia. This is the home of many lizards and snakes, including the well-known bearded dragon and frill-necked lizard. Finally the team travelled north into the Kakadu National Park, which is particularly famous for its crocodile population.

You can find detailed information, photos, films and results of this expedition on the JBL homepage.

Preview

Expedition 2016 Venezuela / South America



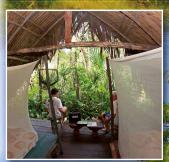


The registration deadline for the JBL Venezuela expedition is 1 August 2015. On 6 April 2016 a group of 50 people will set off to the north of South America to explore the untouched habitats in the Orinoco Delta, and also those in the gorges of the tabletop mountains. The biodiversity of the freshwater fish in the Orinoco delta is enormous and varies from knifefish through countless tetra and cichlid species to catfish. Although the water of the Orinoco delta is not very clear, some underwater observations are possible. The area is a paradise for terrarium enthusiasts. There are no tourists and only a few indigenous people there.

The second part of the expedition will lead to a jungle camp in the tabletop mountains, just opposite the world's highest waterfall, the Salto Angel. The rivers there are reddish coloured (due to iron) but very clear, so underwater observations are perfectly possible.

The results, photos and films can be found on the JBL homepage and in many professional journals from May 2016.













Announcement:

Expedition 2018

Indian Ocean



Madagascar

The focus of our research is on terrarium animals, of which the day gecko is surely the most familiar. We will research their habitats (light, UV, temperature and humidity) and observe the animals' activities. In the rivers we will collect data about the beautiful cichlid species (Paratilapia polleni) which is nowhere else to be found, and snorkelling we will carry out biotope investigations.

Accompany the JBL research team to the jewels of the Indian Ocean: Madagascar, Mauritius, the Seychelles and Mozambique!

Sixteen days of aquatic and herpetological research is on the schedule. Observe the Madagascar day gecko in the rainforests, measure the lighting conditions and



Mauritius

Crystal clear water covering fascinating coral reefs and a relatively unknown terrestrial fauna will await us. The local JBL importer is going to show us all the Mauritian insider tips. In Mauritius we'll visit the southernmost reefs (4500 km south of the equator) of this expedition.











water values of the coral reefs around Mauritius and the Seychelles and experience the wildlife of Mozambique above, as well as under water. As a special highlight manta rays and whale sharks are waiting for the snorkelers and divers.

Seychelles

Surely most beautiful islands of the Indian Ocean, The Seychelles don't only have the endemic giant tortoise, but also top diving sites, which we want to compare with those from Mauritius, 1800 km away. We are especially planning to search for amphibious leaping rock-skippers (blennies), of which there are many species in the Seychelles.





JBL EXPEDITION 2

RESEA



Mozambique

Mozambique is a highly diversified South African country, which would be merit its own expedition. Here we will explore the biotopes of the snakes, lizards and spiders onshore, as well as in the sea at the Manta Coast at Tofo. For marine biological research we are going to compare the reefs off the mainland of Mozambique with those from Mauritius, which are situated on more or less the same latitude, and with those from the Seychelles, which are situated only 700 km south of the equator.



The exact details will be available on the JBL website in 2016 and in the JBL Catalogue 2017.

FORWARD THINKING · RELIABLE · LOYAL TO SPECIALIST RETAILERS

Joachim Böhme founded the company, JBL, in Ludwigshafen in 1960. Over a period of 56 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 company 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



