



Marine- & Freshwater
Catalogue

AQUA MEDIC

2017

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Item code	Item
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Aquaria



Xenia 65

- 509.014 **Xenia 65** white
- 509.084 **Xenia 65** graphite-black



Xenia 100

- 509.114 **Xenia 100** white
- 509.184 **Xenia 100** graphite-black



Xenia 130

- 509.214 **Xenia 130** white
- 509.284 **Xenia 130** graphite-black



Xenia 160

- 509.314 **Xenia 160** white
- 509.384 **Xenia 160** graphite-black

- Frameless saltwater aquaria incl. cabinet filter system
- Aquarium without support made from float glass with polished edges, front and side panes in premium white glass
 - Incl. glass cabinet filter with four-chamber system for putting up biological and mechanical filters
 - Incl. assembled inlet and outlet piping and emergency overflow
 - Quiet and adjustable overflow
 - Incl. empty conduit for hidden cable duct
 - High-quality cabinet with softclose, completely mounted, white high gloss or graphite/black

Type	Xenia 65	Xenia 100	Xenia 130	Xenia 160
Dimensions aquarium (l x w x h) app.	65 x 60 x 55 cm	100 x 65 x 55 cm	130 x 65 x 55 cm	160 x 65 x 55 cm
Water level app.	50 cm	50 cm	50 cm	50 cm
Volume aquarium app.	195 l	325 l	425 l	525 l
Glass thickness front pane	10 mm	12 mm	15 mm	19 mm
Glass thickness side pane	10 mm	10 mm	12 mm	12 mm
Glass thickness back wall	8 mm	10 mm	10 mm	12 mm
Glass thickness bottom pane	10 mm	10 mm	12 mm	12 mm
Dimensions incl. cabinet (l x w x h) app.	65 x 60 x 140 cm	100 x 65 x 140 cm	130 x 65 x 140 cm	160 x 65 x 140 cm
Dimensions filter cabinet (l x w x h) app.	50 x 50 x 45 cm	50 x 50 x 45 cm	65 x 50 x 45 cm	84 x 50 x 45 cm
Water level filter cabinet max.	32 cm	32 cm	32 cm	32 cm
Volume filter cabinet app.	75 l	75 l	97 l	130 l
Circulation pump	DC Runner 2.1	DC Runner 3.1	DC Runner 3.1	DC Runner 5.1

Water volume calculated before gravel or decoration.

Item code

Item

Aquaria

570.20 **Cubicus Qube**



Cubicus Qube



Complete saltwater aquarium

Energy saving complete saltwater aquarium in stylish design. By the use of perfect and efficient elements for current, filter technique and illumination this complete aquarium guarantees durable and easy care functionality plus a lot of fun in keeping saltwater animals. The design is perfectly configured to direct the focus of the observer to the marine wildlife and to let the technique disappear in the background. The appearance is completed through the use of 8 mm prime white glass which guarantees the observer the colour rendering of the animals at its best.

Equipment:

- Current: **EcoDrift 4.1** (24 V, 3 – 10 W), integrated into the rear panel
- Skimmer: **EVO 500** (24 V, max. 7 W)
- Filter technique: integrated filter tank, separated by a high quality glass rear panel with adjustable surface flow.
- Illumination: 2 x **Qube 50** - High power LED spot. Five different light colours with high energy density specially designed for strong coral growth (24 V, max. 50 W). Colour and light intensity are adjustable manually via 2 channels. Integrated 0 - 10 V connection for using external controllers.

Dimensions (l x w x h): app. 50 x 60 x 50 cm
Water level app. 47 cm, volume app. 140 l

570.01
570.08

Cubicus Stand white
Cubicus Stand graphite-black



Cubicus Stand

Cabinet for **Cubicus**

Cabinet can be used for aquariums with dimensions of around 50 x 60 cm. The cabinet is designed especially for the **Cubicus** nano reef tank. It is built to support the weight of a full aquarium. The cabinet is of a modern and stylish design, to complement many different styles of living areas. The cabinet is supplied flat packed for easy transportation and home assembly with few parts.

Dimensions (l x w x h): app. 50 x 60 x 100 cm

571.20
571.28

Cubicus CF Qube white
Cubicus CF Qube graphite-black



Cubicus CF Qube



Overflow Cubicus CF Qube

Saltwater aquarium incl. cabinet filter system

- Aquarium made of 8 mm prime white glass front pane
- Incl. glass cabinet filter, four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer) and filter media, settling chamber
- Dimensions (l x w x h): app. 40 x 47 x 45 cm, water level max. 32 cm, volume max. 54 l
- Illumination: 2 x **Qube 50** - High power LED spot. Five different light colours with high energy density specially designed for strong coral growth (24 V, max. 50 W). Colour and light intensity are adjustable manually via 2 channels. Integrated 0 - 10 V connection for using external controllers.
- Circulation pump **DC Runner 2.1** (24 V, max. 20 W)
- Protein skimmer **EVO 500** (24 V, max. 7 W)
- High-quality cabinet with softclose, completely mounted, white high gloss or graphite/black

Options:

- Aqua Medic **Refill System pro** (See page 34.)
- **Helix Max** UV-C sterilizer 9 W (See page 39.)

Dimensions (l x w x h): app. 50 x 60 x 150 cm
Water level app. 45 cm, Volume app. 135 l

**Water volume calculated before gravel or decoration.
Aquariums can be produced with alternative lighting, please inquire.**

Item code

Item

Aquaria

565.20 **Blenny Qube**



Blenny Qube



Saltwater aquarium

Ready to go with proven technology and high quality components. **Blenny** combines the full functionality of a reef aquarium in a compact design. The integrated filter compartment guarantees easy maintenance. Made with 6 mm prime white glass.

Equipment:

- Current: **EcoDrift 4.1**, located in the back wall, easily adjustable for desired water moment (800 - 4,000 l/hr, 24 V, 3 - 10 W).
- Protein skimmer: **EVO 500** (24 V, max. 7 W), efficient and near silent operation
- Light: **Qube 50** High power LED spot with balanced light spectrum. Five different light colours with high energy density specially designed for strong coral growth (24 V, max. 50 W). Colour and light intensity are adjustable manually via 2 channels. Integrated 0 - 10 V connection for using external controllers.

Dimensions: (l x w x h): app. 40 x 50 x 40 cm

Water level: app. 38 cm, volume: app. 76 l

565.01 **Blenny Stand white**



Blenny Stand

Cabinet for **Blenny**

Cabinet can be used for aquariums with dimensions of around 40 x 50 cm. The cabinet is designed especially for the **Blenny** nano reeftank. It is built to support the weight of a full aquarium. The cabinet is of a modern and stylish design, to complement many different styles of living areas. The cabinet is supplied flat packed for easy transportation and home assembly with few parts.

Dimensions (l x w x h): app. 40 x 50 x 100 cm

Water volume calculated before gravel or decoration.

Item code

Item

Aquaria

- 507.314 **Magnifica 100** white
- 507.344 **Magnifica 100** silver

Update



Magnifica 100



aquarius 90

- Integrated saltwater aquarium system complete with filtration system (real panel filter), lights & cabinet
- Aquarium made of 10 mm float glass, front pane with 12 mm and side panes with 10 mm, both made of prime white glass
 - high-quality aluminium cover (powder-coated) including adjustable active ventilation
 - Illumination: 1 x LED light **aquarius 90**
 - Filter: Filter compartment incl. protein skimmer **EVO 1000** (24 V/max. 9 W)
 - Two internal baskets for adding further filter media like **antiphos Fe** or **carbolit**
 - Circulation pump: **DC Runner 2.1** (24 V, max. 20 W)
 - Current pumps: 2 x **EcoDrift 4.1** (800 - 4,000 l, 24 V, 3 - 10 W, adjustable)
 - High-quality cabinet with softclose, completely mounted, white high gloss or silver

Options:

- **aquarius control** (See page 40.)

Dimensions (l x w x h): app. 100 x 65 x 145 cm
 (aquarium dimensions app. 100 x 65 x 60 cm).
 Water level app. 49.5 cm, volume app. 320 litres.

**Water volume calculated before gravel or decoration.
 Aquariums can be produced with alternative lighting, please inquire.**

Item code	Item
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Aquaria

- 507.414 **Magnifica 100 CF white**
- 507.484 **Magnifica 100 CF graphite-black**

Update

- 508.414 **Magnifica 130 CF white**
- 508.484 **Magnifica 130 CF graphite-black**

Update



Magnifica 100 CF



aquarius 90

Filter Magnifica 100 CF

Saltwater aquarium incl. cabinet filter system

- Aquarium made from float glass, front and side panes in premium white glass
- Incl. glass cabinet filter, four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer) and filter media, settling chamber
- High-quality aluminium cover including adjustable active ventilation
- Illumination: 1 x LED light **aquarius**
- Filter: Filter compartment incl. protein skimmer **EVO 1000** (24 V/max. 9 W)
- High-quality cabinet with softclose, completely mounted, white high gloss or graphite/black

Options:

- **aquarius control** (See page 40.)
- Aqua Medic **Refill System pro** (See page 34.)
- **Helix Max** UV-C sterilizer 36 W(See page 39.)

Type	Magnifica 100 CF	Magnifica 130 CF
Dimensions aquarium (l x w x h) app.	100 x 65 x 60 cm	130 x 65 x 60 cm
Water level app.	50 cm	50 cm
Volume aquarium app.	325 l	425 l
Glass thickness front pane	10 mm	12 mm
Glass thickness side pane	10 mm	10 mm
Glass thickness back wall	10 mm	10 mm
Glass thickness bottom pane	10 mm	10 mm
Dimensions incl. cabinet (l x w x h) app.	100 x 65 x 145 cm	130 x 65 x 145 cm
Dimensions filter cabinet (l x w x h) app.	50 x 50 x 45 cm	65 x 50 x 45 cm
Water level filter cabinet max.	32 cm	32 cm
Volume filter cabinet app.	75 l	97 l
Circulation pump	DC Runner 3.1	DC Runner 3.1
Protein skimmer	EVO 1000	EVO 1000
Illumination	1 x aquarius 90	1 x aquarius 120



Magnifica 130 CF



aquarius 120

Filter Magnifica 130 CF

**Water volume calculated before gravel or decoration.
Aquariums can be produced with alternative lighting, please inquire.**

Item code	Item
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Aquaria

523.044 **Kauderni CF** white

Update

- Saltwater aquarium incl. cabinet filter system
- Aquarium 8 mm float glass, front pane and side panes 8 mm made of prime white glass
 - Incl. glass cabinet filter, four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer) and filter media, settling chamber
 - Dimensions (l x w x h): app. 40 x 47 x 45 cm, water level max. 32 cm, volume max. 54 l
 - Illumination: 1 x LED light **aquarius 60**
 - Circulation pump **DC Runner 2.1** (24 V, max. 20 W)
 - Protein skimmer **EVO 500** (24 V, max. 7 W)
 - High-quality cabinet with softclose, completely mounted, white high gloss

- Options:
- **aquarius control** (See page 40.)
 - Aqua Medic **Refill System pro** (See page 34.)
 - **Helix Max** UV-C sterilizer 11 W (See page 39.)

Dimensions (l x w x h): 65.5 x 60 x 146 cm (aquarium app. 65.5 x 60 x 60 cm).
Water level app. 50 cm, volume app. 195 l.



Kauderni CF

aquarius 60

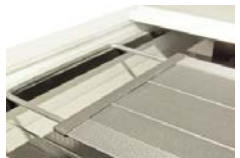
**Water Volume calculated before gravel or decoration.
Aquariums can be produced with alternative lighting, please inquire.**

Accessories Aquaria

87706 **aquarius holder** / pair

New

Mounting bracket for **aquarius** LED-lights



aquarius holder

418.12 **hopstop**

Hop protection for open top aquaria.
Helps prevent nocturnal fish from jumping out.
Content: 6 holders (**combfix**) and 3 plastic plates each app. 480 x 50 mm.



hopstop

- 511.10 **fishknob Angel** / pair
- 511.11 **fishknob Discus** / pair
- 511.12 **fishknob Seahorse** / pair

Attractive door-knobs





AQUA MEDIC



<http://aqua-medic.de/index.php?r=news>

Item code	Item
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Seasalt



- 301.25 **Reef Salt Nano** 1020 g can
- 301.10 **Reef Salt** 4 kg bucket
- 301.00 **Reef Salt** 20 kg carton
- 301.01 **Reef Salt** 25 kg bucket

Aquarium salt for all modern reef aquaria
Reef Salt is a dynamic new formulation, specifically designed for the needs of the modern reef aquarium. **Reef Salt** is blended from chemically pure raw materials, continuously quality controlled, achieves elevated levels of calcium and alkalinity reserve without resorting to harmful chelating agents, contains all the essential trace elements and enhanced levels of Strontium and Iodine, contains no nitrates or phosphates, dissolves easily and leaves no residue.

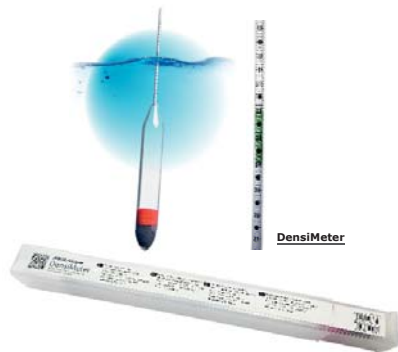


- 300.00 **Aqua Medic seasalt** 20 kg bag

Synthetic seasalt for aquaria
Aqua Medic seasalt is a top quality product, fulfilling all the requirements of a modern synthetic seasalt. It is formulated from highly purified compounds, and contains a pH buffer and all the essential trace elements needed for saltwater aquaria. It dissolves quickly, leaving no residue, and can be used very shortly after being mixed. Its quality has been proven by its selection by numerous public aquaria, many leading wholesalers of saltwater fish, and thousands of coral reef and fish aquaria. It is the economic solution for large scale applications.

Item code	Item
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Hydrometer



65905 DensiMeter

New Hydrometer to determine the density [g/ml] Tp. 25/4°C in saltwater aquaria. Allow the hydrometer to float freely in sufficiently deep water for highly precise measurement, e.g. **DensiTower**. In this case, the water temperature of the sample should be, if possible exactly 25 °C.
 Maximum discrepancy at 25 °C: 0.001 g/ml
 Measuring range: 1,018 to 1,028 g/ml
 Resolution: 0.0001 g/ml
 Dimensions: length app. 35,5 cm



65906 DensiTower

New Hydrometer cylinder with overflow to determine the exact density by using a hydrometer (not included).
 Fill the **DensiTower** to the top of the inner tube with the water to be tested, place the hydrometer into the water slowly. Excess water flows into the outer ring. After use, remove the hydrometer and empty the **DensiTower**.
 To determine the exact density, we recommend the use of the Aqua Medic **DensiMeter**.
 Ø app. 45 mm, High app. 355 mm



65900 salimeter

salimeter is a density meter (hydrometer) allowing easy measurement of the specific gravity of saltwater in aquaria. **salimeter** has a measuring range of 1,000 to 1,040, with graduations at every 0.001 and an accuracy of ±0.0005 at 25 °C (77 °F). Dimensions: length app. 27 cm, Ø app. 2 cm



65910 refractometer
65920-1 Test fluid 35 ppt for refractometer 60 ml

Temperature compensated **refractometer** for the determination of salinity
 The **refractometer** is a precision optical instrument used to determine the salt concentration in saltwater aquariums. Its exact value can be determined in seconds and can be read either as absolute salt concentration (‰, ppt) or as specific density (kg/l). When a beam of light enters the **refractometer** it is bent or "refracted" by the water in the test panel. This refraction is proportional to the salinity of the sample and can be directly read by viewing the internal scale. As salinity varies in inverse proportion to temperature **refractometer** is fully temperature compensated. The strong plastic carrying case contains the **refractometer**, a pipette for the water sample, a screw driver for calibration and full instructions.



65911 hydroquick

New For measuring specific density in saltwater
 - Easy to use, the density can be easily measured
 - Precise water inlet helps prevent air bubbles, increasing accuracy of measurement

Item code	Item
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Salt Water Supplements

353.000 **Tri Complex 3 x 2 l**

New

Complete solution for all reef aquaria
 It is really important that corals receive a balanced ratio of calcium and all vital trace elements. **Tri Complex** was developed according to the latest research and helps offer optimal conditions for healthy and steady coral growth.
Ideal for use in dispensing systems, e.g. reefdoser EVO 4 (See page 27.).

- Features:
- No mixing necessary
 - Easy dosage
 - Highly concentrated
 - Developed according to latest research results
 - Calcium supply without ion shift
 - Helps reduce water changes
 - Including all vital trace elements
 - Optimum coral growth



REEF LIFE System Coral
 The complete solution for supplying reef aquaria with calcium and trace elements without ion shift. The 3 component system consists of the following components:

- Calcium (System Coral A) for increasing the calcium content
- KH Buffer (System Coral B) for increasing the carbonate hardness
- Trace (System Coral C) provides essential trace elements

For each dosing spoon of KH Buffer, 2 ml of the other two components have to be added.

- 350.001 **REEF LIFE System Coral A Calcium** 100 ml
- 350.002 **REEF LIFE System Coral A Calcium** 250 ml
- 350.010 **REEF LIFE System Coral A Calcium** 1000 ml
- 350.050 **REEF LIFE System Coral A Calcium** 5000 ml



Highly concentrated calcium additive for enhanced coral growth
 Provides optimum calcium content in the aquarium that can be maintained simply with **REEF LIFE System Coral Calcium**.

- 351.001 **REEF LIFE System Coral B KH Buffer** 300 g/315 ml can
- 351.010 **REEF LIFE System Coral B KH Buffer** 1000 g/1000 ml can



Carbonate buffer stabilizes the pH value for a healthy aquarium
REEF LIFE System Coral KH Buffer for increasing the alkalinity.

- 350.201 **REEF LIFE System Coral C Trace** 100 ml
- 350.202 **REEF LIFE System Coral C Trace** 250 ml
- 350.210 **REEF LIFE System Coral C Trace** 1000 ml
- 350.250 **REEF LIFE System Coral C Trace** 5000 ml



Contains vital trace elements for fish, corals and invertebrates
 Provides salt water aquaria with vital trace elements such as boron, chrome, cobalt, copper, fluoride, iron, manganese, molybdenum and zinc. **REEF LIFE System Coral Trace** does not contain any chelating agents.

Item code

Item

Salt Water Supplements



351.310 **Kalkwasserpowder** 350 g/1000 ml can

For enhanced calcium supply during water top up
The addition of Kalkwasser has several positive effects on the water in a reef aquarium. The calcium level increases, the phosphate concentration is reduced by precipitation and the pH value increases. The growth of hair algae is decreased and the development of calcareous algae is encouraged.



350.401 **REEF LIFE Iodine** 100 ml
350.402 **REEF LIFE Iodine** 250 ml
350.410 **REEF LIFE Iodine** 1000 ml
350.450 **REEF LIFE Iodine** 5000 ml

3 component iodine for healthy coral growth and bright colours
REEF LIFE Iodine is an iodide additive especially developed for salt water aquaria. It supplies both fresh and salt water aquaria with iodide and organic and elementary iodine. Whereas iodide and elementary iodine are immediately available for the animals and plants, the organic bond releases iodine slowly and ensures a long term supply. Iodine is an essential trace element for all invertebrates and especially for crustacea which require iodide to assist in sloughing off their shell. When provided with iodine, corals show better growth and more intense colouring.



350.501 **REEF LIFE Strontium** 100 ml
350.502 **REEF LIFE Strontium** 250 ml
350.510 **REEF LIFE Strontium** 1000 ml
350.550 **REEF LIFE Strontium** 5000 ml

For healthy structure of skeleton of hard corals
REEF LIFE Strontium contains strontium ions in a form that can be easily assimilated by all invertebrates. It is essential for the production and the maintenance of the skeleton of hard corals, the shells of reef mussels and calcareous algae. In the sea, the strontium concentration is about 8 mg/l. There can be a lack of strontium in the aquarium if it isn't re-dosed regularly.



350.601 **REEF LIFE Magnesium** 100 ml
350.602 **REEF LIFE Magnesium** 250 ml
350.610 **REEF LIFE Magnesium** 1000 ml
350.650 **REEF LIFE Magnesium** 5000 ml

For natural structure of skeleton of corals and calcareous algae
For regular supply of salt water aquaria with normal magnesium need. For aquaria with heavy magnesium consumption, we recommend **REEF LIFE Magnesium compact**.

Item code

Item

Salt Water Supplements



- 351.601 **REEF LIFE Magnesium compact**
250 g/315 ml can
- 351.610 **REEF LIFE Magnesium compact**
800 g/1000 ml can

For natural structure of skeleton of corals and calcareous algae
Concentrated magnesium additive for salt water aquaria.



- 351.101 **REEF LIFE Calciumbuffer compact**
250 g/315 ml can
- 351.110 **REEF LIFE Calciumbuffer compact**
800 g/1000 ml can

To increase the calcium level and alkalinity
The perfect solution for calcium supply. The **Calciumbuffer compact** contains calcium and carbonate buffer in an optimum relation.



- 351.201 **REEF LIFE Balance** 250 g/315 ml can
- 351.210 **REEF LIFE Balance** 800 g/1000 ml can

Avoids ion shift
The use of calcium chloride and sodium hydrogen carbonate will lead to sodium chloride as a by-product that will cause an ion shift on a long-term basis. In order to avoid this, sea salt containing no sodium chloride has to be added according to the originated quantity sodium chloride so that pure sea salt arises beside the desired lime.



- 350.101 **REEF LIFE OptiClean** 100 ml
- 350.102 **REEF LIFE OptiClean** 250 ml
- 350.110 **REEF LIFE OptiClean** 1000 ml

Liquid filter medium applicable for salt and fresh water aquaria - the quick troubleshooter
OptiClean contains effective activated micro particles from highly pure Clinoptilolite, a natural mineral. Contaminants such as heavy metals and pesticides attach to that mineral and then they can be removed with a fine filter from the water. In the salt water aquarium, they are also removed with the skimmer. The result is extremely clear and low-pollution water. The animals feel again well.

- 65930 **aquaspoon**

Spoon scale for measuring of chemicals and other additives for aquaria
Max. 300 g, reading accuracy 0,1 (g, oz, gn, ct), with 2 bucket sizes.



aquaspoon

Item code	Item
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Salt Water Supplements



- 420.25-1 **Aqua Medic Coral Sand** 0 - 1 mm 5 kg (11 lbs) bag
- 420.25-2 **Aqua Medic Coral Sand** 2 - 5 mm 5 kg (11 lbs) bag
- 420.25-3 **Aqua Medic Coral Sand** 10 - 29 mm 5 kg (11 lbs) bag
- 420.20-1 **Aqua Medic Coral Sand** 0 - 1 mm 10 kg (22 lbs) bag
- 420.20-2 **Aqua Medic Coral Sand** 2 - 5 mm 10 kg (22 lbs) bag
- 420.20-3 **Aqua Medic Coral Sand** 10 - 29 mm 10 kg (22 lbs) bag
- 420.15-1 **Aqua Medic Coral Sand** 0 - 1 mm 25 kg (55 lbs) bag
- 420.15-2 **Aqua Medic Coral Sand** 2 - 5 mm 25 kg (55 lbs) bag
- 420.15-3 **Aqua Medic Coral Sand** 10 - 29 mm 25 kg (55 lbs) bag

Natural substrate
Cleaned and without additives. Suitable for all marine and malawi aquariums.



- 420.30-1 **Bali Sand** 0.5 - 1.2 mm 5 kg (11 lbs) bag
- 420.30-2 **Bali Sand** 2 - 3 mm 5 kg (11 lbs) bag
- 420.31-1 **Bali Sand** 0.5 - 1.2 mm 10 kg (22 lbs) bag
- 420.31-2 **Bali Sand** 2 - 3 mm 10 kg (22 lbs) bag

New

- High-quality white substrate
- Natural product, without additives
- Supports the biodegradation of Detritus
- Suitable for use in all saltwater aquaria

Bali Sand is a very pure limestone that consists of about 98% of calcium carbonate as well as some zeolite-like minerals. **Bali Sand**, like the coral reef, is a fossil natural material and is not removed from the oceans. This substrate is an alternative, producing the optimal biological effect for all aquarium inhabitants and preserving nature.



fine



medium



coarse

- 410.91-1 **Hydrocarbonate** 1 l can fine (app. 0.25 gal)/1 kg
- 410.91-2 **Hydrocarbonate** 1 l can medium (app. 0.25 gal)/1 kg
- 410.91-3 **Hydrocarbonate** 1 l can coarse (app. 0.25 gal)/1 kg
- 410.92-1 **Hydrocarbonate** 5 l bucket fine (app. 1.3 gal)/8 kg
- 410.92-2 **Hydrocarbonate** 5 l bucket medium (app. 1.3 gal)/8 kg
- 410.92-3 **Hydrocarbonate** 5 l bucket coarse (app. 1.3 gal)/8 kg
- 410.93-1 **Hydrocarbonate** 15 l bucket fine (app. 3.9 gal)/21 kg
- 410.93-2 **Hydrocarbonate** 15 l bucket medium (app. 3.9 gal)/21 kg
- 410.93-3 **Hydrocarbonate** 15 l bucket coarse (app. 3.9 gal)/21 kg

Hydrocarbonate is a pure natural product. It is used in calciumreactors and may be used in filters to increase the hardness of water, and as a substrate material in marine or Malawi/Tanganyika aquaria. A natural calcium-carbonic acid equilibrium is created in all aquariums with an alkaline pH value and in a calciumreactor supplied with CO₂. The **Hydrocarbonate** is completely dissolved to calcium bicarbonate, becoming available for assimilation by hard and many soft corals, sponges, echinoderms, etc. **Hydrocarbonate** is available in 3 grain sizes and 3 packaging sizes: fine (1 - 2 mm) for 'hardening' filters, medium (3 - 5 mm) for calciumreactors, coarse (12 - 15 mm) as filter material.

Item code

Item

Special Nutrition



- 340.001 **plancto** 100 ml
- 340.002 **plancto** 250 ml
- 340.010 **plancto** 1000 ml
- 340.050 **plancto** 5000 ml

Concentrated food for corals and invertebrates

plancto is a pH stabilized, high-quality concentrated food for the nutrition of plankton and marine invertebrates. Its unique composition and its particle size of 25 - 200 µm makes it especially suitable for plankton feeders. It is also an excellent single food source for rearing artemia. The inclusion of high taste elements results in visible stimulation of feeding tentacles to encourage high nutrient take up. Even if overdosed it is impossible to effect the animals digestive systems.



- 342.001 **aquabiovit** 100 ml
- 342.002 **aquabiovit** 250 ml

Vital vitamins for fish and invertebrates

aquabiovit is a multi vitamin compound for use in fresh and salt water. Its formulation is suited to both, fish and invertebrates. Its regular use enhances growth, strengthens the immune system and increases the willingness to spawn.



- 342.101 **aminovit** 100 ml
- 342.102 **aminovit** 250 ml

Contains all vital amino acids and vitamins

Amino acid concentrate for coral reef aquaria. Additional food for invertebrates, in particular for LPS, but also for gorgonians, tube worms and sponges. The animals ingest directly - the colours improve and the tissue growth is accelerated. **aminovit** is also ideal for enriching the dry or frozen food. Or soak the food in an equivalent quantity prior to feeding.

Item code

Item

Plankton



aquabreed complete

35020 **aquabreed complete**

Artemia cultivation unit

A cultivation unit for hatching larger quantities of artemia cysts. The unit can be installed inside or outside of the aquarium if positioned in a warm environment. The hatch time depends on the ambient temperature. Capacity app. 2,000,000 cysts per hatch. After about 2 weeks, the animals are fully grown and can be used as food. The unit may also be used for the breeding of artemia.

A stable wall holder and a pump for ventilation are included. A drain valve with a large diameter prevents clogging during emptying. The optimal installed outlet valve allows a measured removal of hatched artemia whilst the shells remain in the culture unit. The push to open lid makes filling the hatchery easier.

Contents: **aquabreed complete** reactor (app. volume 1 litre), support plate. Ø app. 8 cm (app. 3.24"). Length: app. 52 cm (app. 17"). Hose connection: 6 mm (app. 1/4"), air pump **Mistral 50 ECO**



plankton reactor

35005 **plankton reactor**

Zooplankton cultivation unit

Many species of salt- and freshwater zooplankton can be cultivated in the **plankton reactor**. The zooplankton is fed with micro-algae from the **plankton light reactor**. The zooplankton has great growth potential: under optimal algal nutrition the number of rotifers (Brachionus) may double over four days. Brachionus is the ideal food for raising many marine fish larvae and invertebrates in the saltwater aquarium.

Contents: **plankton reactor** app. volume 2.5 litre (app. 0.65 gal), wall bracket and connections for air pump. Ø 8 cm (app. 3.2"). Length: 80 cm (app. 32"). Hose connection: 6 mm (app. 1/4")



plankton light reactor

35000 **plankton light reactor**

Phytoplankton (Micro-algae) cultivation unit

The **plankton light reactor** is a simple system for producing plankton in a natural food chain. Within the **plankton light reactor**, micro-algae are produced with light, fertiliser and CO₂. The micro-algae can be fed directly to many filter-feeding invertebrates, especially to zooplankton. The growth rate of the micro-algae in the **plankton light reactor** is enormous. If the supply of light, CO₂ and nutrients is continuous, the biomass of the algae may increase four-fold within 24 hours. Both fresh- and saltwater species of phytoplankton can be cultivated.

Contents: **plankton light reactor** app. volume 2.5 l (app. 0.65 gal), wall bracket, connections for air pump, lighting unit with fluorescent lamp (18 W), special reflector and fixing clamps. Ø app. 8 cm (app. 3.2"). Length: app. 80 cm (app. 32"). Hose connection: 6 mm, (app. 1/4")

Item code

Item

Algal resources



- 420.001 **REEF LIFE antired** 100 ml
- 420.002 **REEF LIFE antired** 250 ml
- 420.010 **REEF LIFE antired** 1000 ml
- 420.050 **REEF LIFE antired** 5000 ml

Eliminates red slime algae
antired will successfully eliminate red slime algae in saltwater aquaria. **antired** is safe with invertebrates, is not harmful to nitrifying bacteria and enhances macro algae growth. During treatment, the skimmer has to remain switched on and the carbon filter has to be switched off. The dead algae should be removed rapidly by a power filter.



- 420.101 **REEF LIFE pointex** 100 ml
- 420.102 **REEF LIFE pointex** 250 ml
- 420.110 **REEF LIFE pointex** 1000 ml
- 420.150 **REEF LIFE pointex** 5000 ml

Controls Oodinium and Cryptocaryon in saltwater aquaria
pointex treats Oodinium and Cryptocaryon parasites in saltwater aquaria effectively and reliably. **pointex** is not poisonous to fish but is harmful to all types of invertebrates and can only be used in fish only systems or quarantine aquaria. After treatment it is not necessary to undertake a water change as the product is naturally removed in 20 days.



microscope

- 65940 **microscope**

Pocket microscope with illumination
 For the identification of algae and microorganisms. 60x - 100x zoom function.
 Incl. holder for microscope slides.

Item code	Item
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Cooling



Titan 150



Titan 4000

- 105.015 **Titan 150**
- 105.050 **Titan 500**
- 105.150 **Titan 1500**
- 105.200 **Titan 2000**
- 105.400 **Titan 4000**

Titan	150	500	1500	2000	4000
For aquaria up to	100 - 250 l	250 - 500 l	700 - 1,500 l	1,500 - 2,500 l	3,000 - 4,000 l
Compressor power	0.1 PS	0.25 PS	0.5 PS	1 PS	2 PS
Power supply	220 - 240 V/50 Hz				
Power uptake	150 W	190 W	375 W	550 W	1,500 W
Cooling power	200 W	395 W	790 W	1,650 W	4,000 W
Recommended water flow (l/h)	200 - 1,500	500 - 2,000	800 - 2,500	2,000 - 4,000	3,000 - 6,000
Connections	14 mm 1/2" or 20 mm 3/4"	20 mm 3/4" or 25 mm 1"			32 mm 1 1/4" or 37 mm 1 1/2"
Max. dB/At a distance of 1 metre	49	52	53	58	69
Housing material	ABS/powder-coated metal				
Heat exchanger material	Titanium				
Cooling gas	R134a				R407c
Dimensions (l x w x h) mm, app.	350 x 300 x 350	390 x 340 x 390	400 x 500 x 440	540 x 700 x 650	
Weight	13 kg	14.7 kg	16.4 kg	28.1 kg	60.5 kg



Titan 6000 Professional

- 108.060 **Titan 6000 Professional**
- 108.080 **Titan 8000 Professional**
- 108.150 **Titan 15000 Professional**

Titan Prof.	6000	8000	15000
For aquaria up to	3,000 - 6,000 l	4,000 - 8,000 l	7,500 - 15,000 l
Compressor power	2 PS	3 PS	5 PS
Power supply	220 - 240 V/50 Hz		
Power uptake: cooling	1,780 W	2,340 W	3,950 W
Power uptake: heating	1,400 W	1,750 W	2,900 W
Cooling/Heating power	5,200 W	7,200 W	14,900 W
Recommended flow rate (l/h)	3,000 - 12,000	4,000 - 16,000	8,000 - 32,000
Connections	1 1/2"		
Max. dB/At a distance of 1 metre	85		
Housing material	X5CrNiMo 17-12-2 (V4A Stahl)		
Cooling gas	R410A		
Dimensions (l x w x h) mm, app.	710 x 435 x 670	735 x 460 x 720	850 x 550 x 950
Weight	68 kg	78 kg	150 kg

Larger cooling units on demand!



arctic breeze 2-pack



arctic breeze 4-pack

arctic breeze 6-pack

- 107.102 **arctic breeze 2-pack**
- 107.104 **arctic breeze 4-pack**
- 107.106 **arctic breeze 6-pack**

Silent long life fans, with real ball bearing and brush free motor. 12 V low voltage with adjustable transformer (3 - 12 V) for speed control. By this, the cooling power can be adjusted. High capacity fans, adjustable from 80,000 l/h (double unit at 12 V) to 240,000 l/h (6 fold unit at 12 V). Power uptake only 0.5 - 3 W per fan. **arctic breeze** aquarium fans can easily be fixed at the aquarium frame. It cools down the water by increasing the evaporation. The complete construction is made from corrosion proof plastic and aluminium.

For temperature-dependent control we recommend optional the use of our **T controller twin**.

Dimensions (l x w x h):

arctic breeze 2-pack: app. 16 x 4 x 15 cm

arctic breeze 4-pack: app. 28 x 4 x 15 cm

arctic breeze 6-pack: app. 40 x 4 x 15 cm

Item code	Item
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Pumps - Current pumps

- 103.604 **EcoDrift 4.1**
- 103.608 **EcoDrift 8.1**
- 103.615 **EcoDrift 15.1**
- 103.620 **EcoDrift 20.1**



High-performance current pump with RC-Controller* for adjusting the flow power and wave frequency

- New 0 – 10 V connection for external control options
- * RC Controller: Allows control via the optional **EcoDrift Wireless Master Controller**
- Magnetic holder with vibration-reducing rubber dampers; variable flow direction
- Light sensor for reducing the current automatically at night
- 24 V safety tension, incl. transformer 110 – 240 V/50 – 60 Hz
- Available as an option: **Extension cord** 1.8 m, for cable extension between pump and controller.

Type	EcoDrift 4.1	EcoDrift 8.1	EcoDrift 15.1	EcoDrift 20.1
For aquaria up to	300 l	800 l	1.500 l	2.000 l
Capacity adjustable	800 - 4,000 l/h	1,600 - 8,000 l/h	3,000 - 15,000 l/h	4,000 - 20,000 l/h
Power consumption	3 - 10 watt	8 - 20 watt	10 - 35 watt	20 - 60 watt
Power supply	110 - 240 V/50 - 60 Hz			
Dimensions, app.	90 mm, Ø 70 mm	106 mm, Ø 84 mm	136 mm, Ø 110 mm	136 mm, Ø 110 mm
Glass thickness	15 mm	15 mm	15 mm	15 mm

103.600 **EcoDrift Wireless Master Controller**



Wireless control for **EcoDrift** current pumps of the x.1 series

- Two separately or parallel controllable channels for connecting any number of circulation pumps of the **EcoDrift x.1** series
- Timer function allows the mutual alternate control of the channels in an interval of 1 – 59 minutes
- Each channel can be individually adjusted for wave simulation, pulse rate and flow intensity
- New 0 – 10 V connection for external control options
- Feed function for deactivating the flow for 10 min.
- 24 V safety tension, incl. transformer 110 – 240 V/50 – 60 Hz

100.900 **variocare 1000 ml**

New



Concentrate for cleaning pumps and other fresh and salt water aquarium equipment

Mix 100 ml of **variocare** with 1,000 ml water. For heavy impurities, the dose can be increased or can even be used without diluting.

Depending on the degree of soiling, the equipment to be cleaned can left for several hours in variocare, the maximum application time is 24 hours. Then rinse under running water and brush off residues. Repeat the procedure for persistent dirt. The cleaner must not enter the aquarium.

Can be used multiple times, the solution is exhausted when the colour changes from red to yellow.

Item code	Item
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Pumps - Circulation pumps



DC Runner 2.1

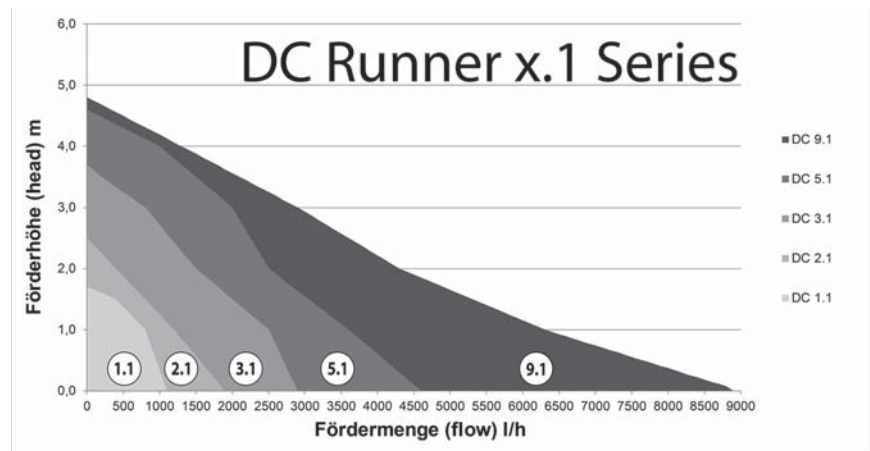
- 100.311 **DC Runner 1.1**
- 100.321 **DC Runner 2.1**
- 100.331 **DC Runner 3.1**
- 100.351 **DC Runner 5.1**
- 100.391 **DC Runner 9.1**



DC Runner serie

Powerful, adjustable universal pumps for aquaria, 0 - 10 volt control
 - For use as a circulation or current pump in salt or freshwater aquaria
 - **Incl. controller** for adjusting the water output
 - 0 - 10 V-connection for external control
 - Rugged pump housing
 - Power-saving D/C motor 24 Volt, high efficiency
 - Polished ceramic shaft and bearings for quiet operation and low maintenance.
 - Submerged and non-submerged use is possible.
 - Including pre-filter basket (except **DC Runner 9.1**) and hose connections.
 - Available as an option: **Extension cord** 1.8 m, for cable extension between pump and controller.

DC Runner	1.1	2.1	3.1	5.1	9.1
Power supply pump	24 V				
Power supply transformer	100 - 240 V / 50 - 60 Hz				
Pump power, up to l/h	1.200 l	2.000 l	3.000 l	5.000 l	9.000 l
Max. head	up to 1,5 m	up to 2,2 m	up to 2,7 m	up to 3,5 m	up to 4,8 m
Total power consumption, max.	12 watts	20 watts	25 watts	40 watts	65 watts
Connection suction side	25 mm	25 mm/ 1 inch	32 mm/ 1 1/4 inch	32 mm/ 1 1/4 inch	40 mm/ 1 1/2 inch
Connection pressure side	20 mm	25 mm/ 1 inch	25 mm/ 1 inch	32 mm/ 1 1/4 inch	40 mm/ 1 1/2 inch
Protection rating	IP X8				
Dimensions in cm (l x w x h), app.	12,5 x 6 x 8,5	13,5 x 6,7 x 6,7	20 x 9 x 12	19 x 10,5 x 13	20 x 10,5 x 18



100.301 **Extension cord 1.8 m DC Runner/EcoDrift**



Extension cord DC Runner/EcoDrift

For cable extension between pump and controller.
Please note: Only one extension cord per controller may be used. If several extension cables are connected to a controller, a proper function cannot be guaranteed.

Item code	Item
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Pumps - Circulation pumps

- 100.430 **AC Runner 3.0**
- 100.450 **AC Runner 5.0**
- 100.490 **AC Runner 9.0**
- 100.520 **AC Runner 12.0**

New

Powerful universal pump for aquaria

220 V - 240 V / EU-Plug only

- For use as a circulation or current pump in salt or freshwater aquaria
- Rugged pump housing
- Polished ceramic shaft and bearings for quiet operation and low maintenance.
- Submerged and non-submerged use is possible.
- Including pre-filter basket and hose connections (AC Runner 3.0 + 5.0)
- Including hose connections (AC Runner 9.0 + 12.0)



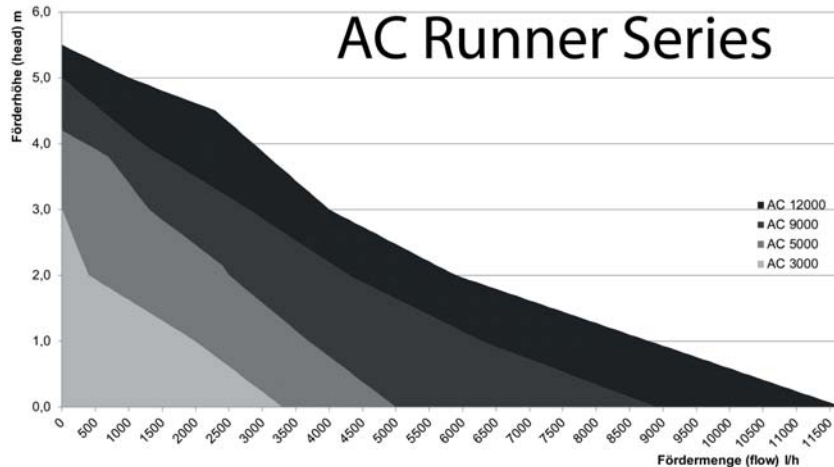
AC Runner-serie



Impeller AC Runner

Version	3.0	5.0	9.0	12.0
Pump power - l/h	up to 3.000	up to 5.000	up to 9.000	up to 12.000
Max. head	up to 2,7 m	up to 4,2 m	up to 5 m	up to 5,5 m
Total power consumption	max. 27 W	max. 44 W	max. 78 W	max. 92 W
Power supply pump	220 V - 240 V / 50 Hz			
Suction side Ø	32 mm/1 1/4 inch	32 mm/1 1/4 inch	40 mm/1 1/2 inch	40 mm/1 1/2 inch
Pressure side Ø	25 mm/1 inch	32 mm/1 1/4 inch	40 mm/1 1/2 inch	40 mm/1 1/2 inch
Protection rating	IP X8			
Dimensions in mm (l x w x h), app.	155 x 90 x 115 (195 x 90 x 115)	175 x 105 x 125 (195 x 105 x 125)	195 x 115 x 130 (basket not included)	195 x 115 x 130 (basket not included)

Dimensions are indicated without fittings / dimensions within brackets mean including basket



Item code	Item
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Pumps - Circulation pumps



- 400.00-19 **pump NK 25.B**
- 400.00-20 **pump NK 33.B**

- 400.00-21 **pump OK 33.B**
- 400.00-22 **pump OK 51.B**
- 400.00-23 **pump OK 71.B**
- 400.00-24 **pump OK 100.B**

- 400.01 **Motor Protection Switch pump NK 25, 1.45 A**
- 400.02 **Motor Protection Switch pump NK 33/OK 33, 1.9 A**
- 400.03 **Motor Protection Switch pump OK 51, 2.7 A**
- 400.04 **Motor Protection Switch pump OK 71, 3.8 A**
- 400.06 **Motor Protection Switch pump OK 100, 4.8 A**

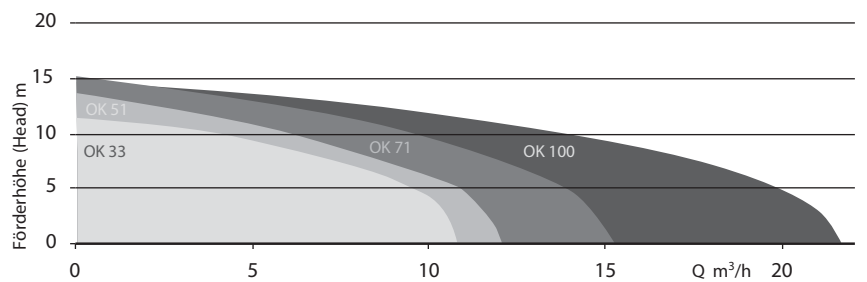
(Necessary to use with any NK or OK pump!)
 Warranty is void, if pumps are used without motor protection switch!

Circulation pump OK / NK

The **OK** and **NK**-series circulation pumps are powerful units having a capacity between 13 and 33 m³/h. With the housing moulded in plastic, the pumps are completely saltwater resistant. To improve the operating characteristics **OK** and **NK** pumps have an integrated prefilter and the impeller shaft has a rotating seal.

Type	NK 25	NK 33	OK 33	OK 51	OK 71	OK 100
m ³ /h at 10 m	-	4.0	4.8	6.6	10.0	14.5
Max. flow at 5 m	8,000 l*	11,000 l*	9,600 l	11,000 l	13,900 l	20,000 l
Max. head	9.25 m	11 m	12 m	14 m	15.5 m	15 m
Power (watt)	0.27	0.30	0.45	0.58	0.75	1.00
A	230	230	2.45	2.65	4.00	4.70
V			230	230	230	230
Dimensions cm (l x w x h), app.	43 x 21 x 27		47.5 x 24 x 31			50 x 24 x 31

* max. flow at 3 m



Item code	Item
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Pumps - Air pumps

- 101.005 **Mistral 50 ECO**
- 101.020 **Mistral 200**
- 101.030 **Mistral 300**
- 101.200 **Mistral 2000**
- 101.400 **Mistral 4000**



Mistral 50 ECO



Mistral 200



Mistral 300



Mistral 4000

Diaphragm air pump

This family of powerful diaphragm air pumps has a cast aluminium housing (plastic at **Mistral 50 ECO**) to ensure long life and silent operation. The output of the **Mistral 300** is adjustable with a slide control which alters the magnetic circuit. All units have integrated replaceable air filters and are of low maintenance design. They are ideally suited to supplying air lift filters (under-gravel and box), air stones and protein skimmers using either ceramic or wooden air diffusers.

Type:	Mistral 50 ECO	Mistral 200	Mistral 300
Power requirements:	220 V, 50/60 Hz	220 - 240 V~/50 Hz	
Power uptake:	1,8 watts	4 watts	8 watts
Maximum capacity:	78 l/h (19.5 gph)	300 l/h (75 gph)	380 l/h (95 gph)
Capacity at 1 m (3 ft) depth (100 mbar, 1.45 psi):	50 l/h (12.5 gph)	200 l/h (50 gph)	300 l/h (75 gph)
Maximum pressure:	120 mbar (1.73 psi)	250 mbar (3.6 psi)	470 mbar (6.8 psi)
Connection pressure side:	air tube 4/6 mm (1/4")		
Max. dB/ At a distance of 1 metre	35	40	48
Cable length in m:	1.4	3	
Weight:	0,23 kg (app. 0,53 lbs)	1.36 kg (app. 3.1 lbs)	1.75 kg (app. 3.7 lbs)
Housing:	plastic	cast aluminium	
Dimensions in cm (l x w x h), app.:	8.8 x 6.0 x 5.3	17.5 x 7.5 x 9.5	19 x 8.5 x 10

Type:	Mistral 2000	Mistral 4000
Power requirements:	220 - 240 V~/50 Hz	
Power uptake:	25 watts	35 watts
Maximum capacity:	2,500 l/h (625 gph)	4,000 l/h (1,000 gph)
Capacity at 1 m (3 ft) depth (100 mbar, 1.45 psi):	1,600 l/h (400 gph)	2,900 l/h (750 gph)
Maximum pressure:	>300 mbar, 4.35 psi	
Connection pressure side:	air tube 12 mm (1/2")	
Max. dB/ At a distance of 1 metre	41	46
Cable length in m:	3	
Weight:	3.5 kg (7.8 lbs)	5.6 kg (12.4 lbs)
Housing:	cast aluminium	
Dimensions in cm (l x w x h), app.:	17.5 x 16 x 13	19.5 x 18 x 15

Item code

Item

Pumps - Dosing pumps

104.144 **reefdoser EVO 4**



4-channel dosing pump incl. external controller
 The Aqua Medic reefdoser EVO 4 can independently control the four dosing pumps included in the package. The dispensing of the food or additive can be achieved either manually or automatically; all pumps can be calibrated individually. The interval control allows for adjustment of the duration of the on/off cycle for each pump over a broad time span – from seconds to days. reefdoser EVO 4 can automate many tasks in an aquarium:
 - Regular dispensing of trace elements and fertilizers in salt- and fresh water aquarium
 - Controlled addition of calcium and bicarbonate into coral reef aquaria
 - Accurate dosing of Kalkwasser
 - Automatic feeding with live zoo plankton
 - The external controller can be placed in a position away from the pumps to make it easy to use and allow for very simple programming.
 Incl. 4 m inlet hose (can be adjusted individually) to connect the dosing pumps to the containers with the dosing liquids.
 Dimensions: app. 25 x 13 x 6.4 cm (l x w x h)

104.145 **reefdoser add 4**



reefdoser add 4

reefdoser EVO 4 - Expandable to eight dosing pumps
 Incl. 4 m inlet hose (can be adjusted individually) to connect the dosing pumps to the containers with the dosing liquids.
 Dimensions: app. 14 x 6.5 x 3.6 cm (l x w x h)



hose clip

- 410.38 **hose clip** Ø 5 - 6 mm
- 410.39 **hose clip** Ø 6 - 7 mm

Hose clip
 Flexible plastic clip designed for the safe fastening of hoses.

104.030 Dosing pump **SP 3000**



Dosing pump

The **SP 3000** is a hose pump for pumping small amounts of water. It can be used for bypass filters such as the Nitratereducator and the Calciumreactor, to top up evaporated water when combined with an **aquaniveau** and for the automatic dosing of fertilizers and minerals. In freshwater aquaria, the iron fertilizer **ferreal** can be added daily. The pump is supplied with a long life Santoprene® hose.
SP 3000: 3.0 l/h (app. 0.08 gph), 4.5 watts

104.031 **SP 3000 Niveaumat**



SP 3000 Niveaumat

Automatic top up unit with peristaltic pump and float switch
 The **SP 3000 Niveaumat** will automatically top up evaporated water in fresh and saltwater aquariums. It comprises a **Niveaumat SP 3000** peristaltic pump with a directly connected float switch. The float switch is installed in the aquarium or filter tank at the desired level using its holding unit. As the level drops the **Niveaumat SP 3000** automatically tops up the tank with water from a reservoir (not supplied).
 Technical data **Niveaumat**: Capacity: 3 l/h pump, hose: Santoprene®, power consumption: 4.5 watts

Item code

Item

Protein skimmer

Motor driven external skimmer

412.210 **K1**

412.220 **K2**

412.230 **K3**

New

Adjustable and very powerful skimmer for the sump

- Adjustable 24 V-pump DC Runner incl. controller with button to allow skimmer to pause for feeding. 0-10 V connection enabled
- High air entry, optimum bubble size and shape due to the new Power Wheel
- Near silent operation with the adjustable water outlet positioned on the bottom of the housing
- Silencer that can be positioned freely
- Foaming is adjustable both electronically and manually
- Compact design allows for use in small areas
- Can be completely dismantled for easy cleaning



K1



K2

	K1	K2	K3
For aquaria	100 - 500 l	200 - 1,000 l	300 - 1,500 l
Total consumption	max. 18 W	max. 31 W	max. 58 W
Pump	DC Runner K1	DC Runner K2	DC Runner K3
Air power	max. 1.000 l/h	max. 1.800 l/h	max. 3.100 l/h
Total height	app. 45 cm	app. 48 cm	app. 54 cm
Height foam cup	app. 48 cm	app. 51 cm	app. 57 cm
Required space	app. 20 x 24 cm	app. 35 x 24 cm	app. 40 x 25 cm
Opt. water level in filter sump	app. 14 - 18 cm	app. 18 - 23 cm	app. 18 - 23 cm



K3



Controller



Power Wheel



Item code

Item

Protein skimmer

Motor driven adjustable internal skimmer

410.005 **EVO 500**



EVO 500

The power driven EVO 500 is especially characterized by the power-saving and efficient pump **DC Runner 1.1** (incl. DC motor) with power consumption of max. 7 watt. The pump power can be continuously adjusted by the included controller. Two holding systems for individual fixing, adjustable in height making it suitable for many different styles of aquarium. 3D needle wheel will provide a large amount of air and optimum bubble structure. High skimming capacity is achieved by the special water flow with a patented conical foam cup.

	EVO 500
For aquaria up to	250 l
Pump	DC Runner 1.1
Power supply pump	24 V
Power supply transformer	110 - 240 V/50 - 60 Hz
Power consumption	max. 7 W
Total height	app. 36.5 cm
Dimensions (l x w x h):	app. 14 x 8 x 36.5 cm (app. 5.6" x 3.2" x 14.6")
Immersion depth	app. 23 cm



EVO 1000

Motor driven adjustable internal and external skimmer

410.010 **EVO 1000**

410.030 **EVO 3000**

The power driven skimmers are especially characterized by the power-saving and efficient **DC Runner** pump (incl. DC motor). The pump power can be continuously adjusted by the included controller. The skimmers are designed for installation in any mode: as a "hang on", it is simply hung over the edge of the aquarium. Only the venturi pump is inside the tank. The 3D needle wheel will provide a large amount of air and optimum bubble structure.

	EVO 1000	EVO 3000
For aquaria up to	500 l	500 - 1,500 l
Pump	DC Runner 1.1	DC Runner 3.1
Power supply pump	24 V	
Power supply transformer	110 - 240 V/50 - 60 Hz	
Power consumption	max. 9 W	max. 20 W
Total height	app. 46 cm	app. 56 cm
Required space	app. 25 x 11 cm	app. 35 x 17 cm



EVO 3000

Item code	Item
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Protein skimmer



Turboflotor 5000 Shorty Compact

Turboflotor 5000 Shorty II

Update

- 410.16 **Turboflotor 5000 Shorty Compact**
for aquaria up to 1,500 l
- 410.17 **Turboflotor 5000 Shorty II**
for aquaria up to 1,500 l

Powerful skimmers for in cabinet installation. The "Shorties" are manufactured in 2 sizes to fit into most aquarium cabinets. They are supplied with a venturi pump and our patented needle wheel. The water supply to the skimmer requires a second pump with a capacity of minimum 2,000 l/h (app. 500 gph). The skimmer may also be directly connected to the overflow of the aquarium. In this case it is recommended to install a bypass to control the water flow to the skimmer, especially if powerful return pumps are used.
Total height with foam cup:
Shorty Compact: app. 62.5 cm (footprint app. 30 x 40 cm)
Shorty II: app. 73 cm (footprint app. 30 x 50 cm)



Turboflotor 5000 baby ECO

Turboflotor 5000 single 6.0

Update

- 400.015 **Turboflotor 5000 baby ECO**
for aquaria up to 2,000 l
- 400.021 **Turboflotor 5000 single 6.0**
for aquaria up to 5,000 l

Powerful skimmer with longer contact time for aquaria from 1,500 – 5,000 l (app. 375 - 1,250 gal). The skimmer 5000 series were developed for larger aquaria. The reaction pipe has a diameter of 200 mm. A separate pump (2,000 – 3,500 l/hr) is required for the water supply, e. g. **DC Runner 3.1** or **AC Runner 3.0**. The venturi pumps of our **DC Runner**-series with **Power wheel** have a high skimming power, are very quiet in operation and have a low power consumption.
T 5000 baby ECO: Total height app. 107 cm, required space app. 50 x 29 cm (without outlet D40). Venturi pump - app. 60 Watt
T 5000 single 6.0: Total height app. 185 cm, required space app: app. 50 x 29 cm (without outlet D40). Venturi pump - app. 60 Watt



Trickle filter T 5000 single 6.0

- 410.026 **Trickle filter for Turboflotor 5000 single 6.0**

The **trickle filter** is suitable for the connection at the **Turboflotor 5000 single 6.0**, filled with **BactoBalls**, app. 20 cm Ø. Height: app. 155 cm, footprint: app. 30 x 35 cm



Turboflotor 10000

- 400.05 **Turboflotor 10000**
- 400.15 **Turboflotor 10000 w/o pump**

It is made of an acrylic pipe and is designed for flow rates up to 10,000 l/h. (app. 2,500 gph). It is recommended for larger aquariums up to 10,000 litres (app. 2,500 gallons) and professional aquaculture systems. Technical data: Reaction chamber Ø: 50 cm (app. 20"), total height including foam cup: 200 cm (app. 80"), injector pump power consumption incl. motor protection switch: 500 watts, max. water flow: 10,000 l/h (app. 2,500 gph)



Turboflotor 20000

- 400.00 **Turboflotor 20000**
- 400.10 **Turboflotor 20000 w/o pump**

Protein Skimmer for large aquariums. With the production of this skimmer Aqua Medic enters the area of water treatment for large professional aquaria. A powerful pump is combined with a venturi to provide an injection of app. 3,500 l/h. The maximum water flow rate is 20,000 litres (5,000 gallons) per hour. The **Turboflotor 20000** is designed for larger tanks in public aquaria and for commercial use for pet fish importers and distributors.
Technical data: Reaction chamber Ø: 50 cm (app. 20"), total height including foam collection cup: 310 cm (app. 122"), injector pump power consumption incl. motor protection switch: 900 watts, max. water flow: 20,000 l/h (app. 5,000 gph).

Item code Item

Protein skimmer



Trickle filter T 10000

401.01 **Trickle filter for Turboflotor 10000, with BactoBalls**

401.01-1 **Trickle filter for Turboflotor 10000, w/o BactoBalls**

Total height app. 135 cm, required space app. 52 x 70 cm

401.00 **Trickle filter for Turboflotor 20000, with BactoBalls**

401.00-1 **Trickle filter for Turboflotor 20000, w/o BactoBalls**

Total height app. 235 cm, required space app. 52 x 70 cm

Air driven internal skimmer



miniflotor

410.50 **miniflotor**

Internal protein skimmer for aquaria up to 200 litres (app. 50 gal)

The **miniflotor** is a small but powerful air-driven internal protein skimmer. A lime wood air diffuser producing very fine air bubbles is also included. The outer reaction tube is replaceable. A second shorter reaction tube is included in shipment. For the air supply, we recommend the **Mistral 200** membrane air pump. Ø app. 5 cm (app. 2"), length: with long tube app. 45 cm (app. 18") - with short tube app. 32 cm (app. 12.8"), total width: app. 15 cm (app. 6"), Immersion depth: long tube app. 33 cm (app. 13.2"), short tube app. 20 cm (app. 8")



midiflotor

410.55 **midiflotor**

Internal protein skimmer for aquaria up to 400 litres (app. 100 gal)

The **midiflotor** is an air-driven counter current internal protein skimmer. The strong holding system allows movement of the skimmer vertically to adjust the foam production zone. A lime wood air diffuser, producing very fine air bubbles, is included. For the air supply, we recommend the **Mistral 300** membrane air pump. Ø app. 57.5 cm (app. 3"), length: app. 52 cm (app. 21"), total width: app. 15 cm (app. 6"), Immersion depth: app. 30 - 35 cm (app. 12" - 14")

Accessories Protein skimmer

410.59 **Wooden airstones Mini 2 pcs.,**
app. 15 x 15 x 57 mm (l x w x h)

410.58 **Wooden airstones Midi 2 pcs.,**
app. 18 x 18 x 78 mm (l x w x h)

410.57 **Wooden airstones Maxi 1 pc.,**
app. 30 x 30 x 110 mm (l x w x h)

For air driven protein skimmers

Wooden airstones are produced from lime wood with very fine pores. To keep the skimmer running at its optimum performance level, the bubbles have to be monitored regularly, and it is recommended that they are changed every 6 - 8 weeks. In an attractive blister pack.

410.610 **Silencer 100** up to a capacity of 200 l air/h

410.620 **Silencer 200** for a capacity higher than 200 l air/h

Silencer for protein skimmer

The **Silencer 100** and the **Silencer 200** reduce the noise of the air intake of a protein skimmer. The noise may be avoided by the use of the **Silencers**. At the fitting of the **Silencer** you can attach tubes with a diameter of 6/8 mm without any problems.



Mini



Midi



Maxi

Wooden airstones



Item code

Item

Pictures with UV Helix Max



Malawi Station

Filter systems

500.015 **Malawi Station**

Update

Filter system for fresh and saltwater aquaria up to 1,500 litres
The **Malawi Station** filter system comprises the following components: closed glass filter sump with sliding doors and removable cover, twin filter towers including drawer and biofilter, filled with **BactoBalls**, **ECO Runner 3500** circulation pump. This filter is the perfect unit for high loaded freshwater aquaria, e. g. cichlids. However, it can be used for saltwater as well, if combined with an external protein skimmer. Pipework connections to the aquarium (left hand side): 32 mm flow, return 40 mm. This system is ready for the connection of a **Helix Max 18 Watt UV sterilizer** as well as the top up system **Refill System pro**.
Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h)

Optional - filter features:

80818 **Helix Max 18 Watt**
502.76 **Refill System pro**

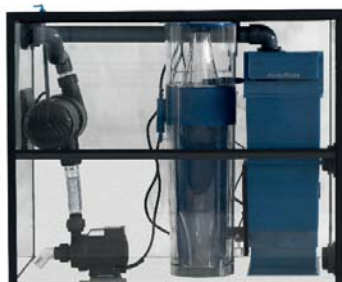
501.110 **Fish Station**

Update

A complete filtration system for saltwater aquaria up to 1,000 litres
It comprises the following components: closed glass filter sump with sliding doors and removable cover, prefilter including drawer and biofilter, filled with **BactoBalls**, **EVO 3000** protein skimmer and **ECO Runner 3500** circulation pump. This filter is the perfect unit for aquaria where mainly fish are kept. Pipework connections to the aquarium (left side): 32 mm flow, return 40 mm. All components are inside the filter sump. This system is ready for the connection of a **Helix Max 18 Watt UV sterilizer** as well as the top up system **Refill System pro**.
Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h)

Optional - filter features:

80818 **Helix Max 18 Watt**
502.76 **Refill System pro**



Fish Station

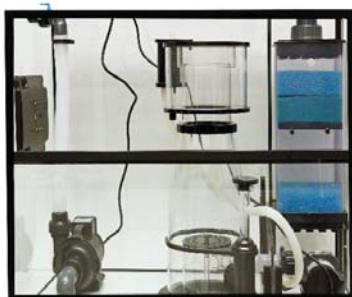
501.010 **Reef Station**

Update

A complete filtration system for Reef aquaria up to 1,000 litres
It comprises the following components: closed glass filter sump with sliding doors and removable cover, a prefilter for taking up activated carbon, phosphate absorbers or bio balls, the **K2** protein skimmer and **ECO Runner 3500** circulation pump. Pipework connections to the aquarium (left side): 32 mm flow, return 40 mm. All components are inside the filter sump. This system is ready for the connection of a **Helix Max 18 Watt UV sterilizer** as well as the top up system **Refill System pro**.
Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h)

Optional - filter features:

80818 **Helix Max 18 Watt**
502.76 **Refill System pro**



Reef Station

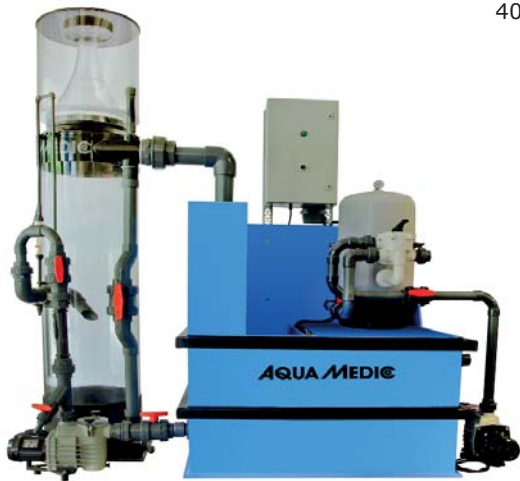
Different DC Runner are available upon request.

Item code

Item

Filter systems

- 406.50 **Systemfilter Skim**
- 406.51 **Systemfilter Skim w/o UV**



Systemfilter Skim

A complete filter system for saltwater aquaria and holding tanks up to 20,000 litres (app. 5,277 gallons)

Systemfilter Skim is a modular filter system delivered ready for use. It is designed for use as a centralized filter system for food fish holding tanks and for aquaria up to 20,000 l (app. 5,277 gallons).

The standard version comprises the following:

- Protein skimmer Turboflotor 15000 incl. venturi pump, connection for external ozone supply
- Trickle filter for biological filtration (filled with **BactoBalls**)
- Pressurized sand filter as final mechanic filter with back-flush valve
- Plastic vessel as filter sump, dimensions: app. 1,290 x 940 x 1,300 mm (l x w x h).

The tank is equipped with an underwater retaining system with 12 pcs. UV-C tubes with 20 watts each.

With external switchboard for controlling.

- Preparation for receiving a heat exchanger
- Circulation pump capacity 12 m³/h (app. 3,000 gph)
- All components are already piped.

Total required space: app. 260 x 95 x 255 cm (l x w x h)

Optional:

- A second trickle filter and/or fine filter unit
- Installation of a titanium heat exchanger for cooling or heating.
- The filter is also available without UV-C unit.

Equipment selectable upon agreement

- 405.50 **Systemfilter**
- 405.51 **Systemfilter w/o UV**



Systemfilter

A complete filter system for fresh- and saltwater aquaria and holding tanks up to 20,000 litres (app. 5,277 gallons)

Systemfilter is a modular filter system delivered ready for use. It is designed for use as a centralized filter system for food fish holding tanks and for aquaria up to 20,000 l (app. 5,277 gallons).

The standard version comprises the following:

- Trickle filter for biological filtration (filled with **BactoBalls**)
- Pressurized sand filter as final mechanic filter with back-flush valve
- Plastic vessel as filter sump, dimensions: app. 1,290 x 940 x 1,300 mm (l x w x h).

The tank is equipped with an underwater retaining system with 12 pcs. UV-C tubes with 20 watts each.

With external switchboard for controlling.

- Preparation for receiving a heat exchanger
- Circulation pump capacity 12 m³/h (app. 3,000 gph)
- All components are already piped.

Total required space: app. 190 x 95 x 165 cm (l x w x h)

Optional:

- A second trickle filter and/or fine filter unit
- Installation of a titanium heat exchanger for cooling or heating.
- The filter is also available without UV-C unit.

Equipment selectable upon agreement.

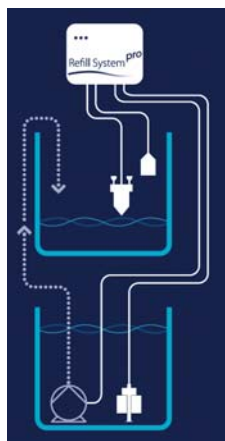
Item code

Item

Accessories filter systems

502.76 **Refill System pro**

New



Refill System with safety circuit

Easy and safe refilling of evaporated water in the aquarium

- Permanent monitoring of the water level in the aquarium with an infrared sensor incl. delay circuit.
- Automatic refilling of evaporated aquarium water.
- Adjustable minimum and maximum water levels in the aquarium or filter sump.
- Dry-running protection of the refilling pump - optical and acoustic alarm.
- There is a warning for low water level of the refill tank.
- Easy installation and maintenance, plug connections on all cables (incl. cable protection against unintentional release).
- Safety shutdown circuit in case of a defective level sensor.
- 12 V low voltage, incl. transformer 100 - 240 V / 50 - 60 Hz.

Refill System pro



502.79-1 **refill depot 16 l** (1) for Refill System pro
Canister with cut-out and cap

502.79-2 **refill depot 16 l** (2) for Refill System pro
Canister with cap and tap

New

Dimensions (l x w x h): app. 32 x 17 x 31 cm,
Total height incl. cap: app. 38 cm



refill depot

501.70 Overflow box **OFB 2500 l**
501.75 Overflow box **OFB 5000 l**



Overflow box OFB 5000 l

For connecting to an under tank filter system

The Aqua Medic **Overflow box** hangs over the outside of the aquarium. A constant water level is maintained after the start of the overflow. Water circulation is achieved by pumping the water from the sump into the aquarium, and then via the **Overflow box** back into the sump. This makes it possible to connect aquaria to under the tank filter systems without having to drill holes in the aquarium. The **Overflow box** is manufactured from acrylic and is available in two capacities: **OFB 2500** for up to 2,500 l/h (app. 625 gph), **OFB 5000** for up to 5,000 l/h (app. 1,250 gph) Connection: 32 mm

OFB 2500 (l x w x h): app. 19 x 18 x 25 cm (app. 8" x 7.2" x 10"),
OFB 5000 (l x w x h): app. 19 x 25 x 25 cm (app. 8" x 10" x 10")

Item code

Item

Filter components

- 410.930 **multi reactor S**
- 410.940 **multi reactor M**
- 410.950 **multi reactor L**

All-In-One filter system

- For use in the aquarium or sump filter
- Highly efficient filtration due to high flow through your chosen filter media
- Adjustable water flow
- High-quality, precision made using quality acrylic
- Very simple maintenance due to removable filling tube , the filter housing can remain in the aquarium for refilling and maintenance
- Space-saving installation in the aquarium or sump filter with internal pump.
- Low maintenance double O-ring seal.
- Universal application by using various filter media such as activated carbon (**carbolit**), phosphate absorber (**antiphos FE**), zeolithes, fine filter, etc. (filter media not included)
- Incl. pump and flexibly adjustable mounting system



multi reactor S



multi reactor M



multi reactor L

multi reactor	S	M	L
Dimensions (l x w x h), app.	60 x 50 x 315 mm	80 x 60 x 380 mm	100 x 100 x 465 mm
Filling quantity	app. 150 ml	app. 350 ml	app. 650 ml
Voltage	220 - 240 V/50 - 60 Hz		
Total power consumption	12 V/app. 4 watts	12 V/app. 8 watts	12 V/app. 14 watts
Pump power	app. 200 l/h	app. 350 l/h	app. 450 l/h
For aquaria	up to 350 l	up to 500 l	up to 800 l



Filter components

410.600 **Fluidized bed filter FB 5000**

Fluidized bed sand filter

The **FB 5000** fluidized bed sand filter is a powerful but compact biological sand filter. The water enters the filter from the bottom and keeps the small quartz sand grains fluidized – a huge surface area is created and is optimally supplied with water and nutrients. **FB 5000** can work as biological filter for aquarium systems up to 10,000 litres (app. 2,500 gallons).

Incl. 20 kg Quartz sand.

Dimensions: Ø 20 cm (app. 8"), total height: 170 cm (app. 67")

65024 **phosphatfilter Fe**

Bypass filter for the elimination of phosphate

The **phosphatfilter Fe** is a compact chemical filtration chamber for aquarium use. It can be installed in line with any standard canister filter or fed via a separate pump. The **phosphatfilter Fe** contains 400 ml of **antiphos Fe**. This reduces the level of phosphate and thereby curtails the growth of filamentous algae. Depending on the phosphate level, one filling of antiphos may be sufficient for an aquarium up to 600 litres (app. 150 gallons) for between 3 - 6 months. The **phosphatfilter Fe** can be used for fresh- and saltwater aquaria.

Ø app. 8 cm (app. 3.2"), length app. 24 cm (app. 9.45"), hose connection: 12 and 16 mm

410.850 **Nitratereducator NR 5000**

Denitrification filter for aquaria up to 3,000 litres (app. 800 gallons)

The Nitratereducator **NR 5000** is an anaerobic biological reactor for removing nitrates from marine and freshwater aquaria. It has a volume of 30 l (c 7.5 gal) and is supplied with an internal circulation pump, plus the connection for a pressurized redox probe with a PG 13.5 thread. Feeding the bacteria can be performed manually with **denimar** or automatically using **Deniballs** in conjunction with an mV (ORP) controller. The Nitratereducator **NR 5000** is a closed system and should be supplied with feed water via a bypass or a dosing pump at a rate of 12 - 30 l/h (app. 3 - 8 gph). Dimensions excluding electrode (l x w x h): app. 50 x 30 x 96 cm (app. 20" x 12" x 38.5"). Recommended accessories: **denimar**-powder and **Deniballs** to feed the anaerobic bacteria, pressure resistant mV (Redox or ORP) probe with PG 13.5 threaded connection.

410.450 **Calciumreactor KR 5000**

For the supply of dissolved calcium to reef aquaria up to 5,000 litres (app. 1,250 gallons)

The Calciumreactor **KR 5000** is designed as a closed system. An integral pump provides internal water circulation. A PG 13.5 threaded port accepts an electrode for measuring and controlling the pH within the vessel. The reactor has a volume of 30 litres (app. 8 gallons) and is supplied with a 15 l bucket of **Hydrocarbonate**.

Dimensions - without electrode (l x w x h): app. 50 x 30 x 96 cm (app. 20" x 20" x 38.5"). Recommended accessories: pressure resistant **pH probe** – long - threaded PG 13.5, **Hydrocarbonate** as refill.

410.510 **Kalkwasser stirrer KS 1000**

For the production of Kalkwasser for saltwater aquaria

Kalkwasser stirrers automatically produce Kalkwasser to replace the evaporated water in saltwater aquaria. They should be used in conjunction with an automatic refill device, e.g. the **Niveumat**. The top up water is pumped from a reverse osmosis or a reservoir through the Kalkwasser stirrer. Inside the unit a sediment of Calciumhydroxide powder is slowly stirred so it is kept in suspension. For aquariums up to 1,500 litres (app. 400 gal); dimensions: app. 11 cm Ø x 50 cm high, (app. 4.3" Ø x app. 20"), connection: 4/6 mm (app. 1/4") hose Recommended accessories: **Niveumat** or **aquaniveau** with dosing pump **SP 3000**



FB 5000



phosphatfilter Fe



NR 5000



KR 5000



KS 1000

Item code	Item
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Filter material



filter bag

- 429.01 **filter bag 1**, 2 pcs., 22 x 15 cm (app. 8.6" x 5.9")
- 429.02 **filter bag 2**, 2 pcs., 22 x 30 cm (app. 8.6" x 11.8")
- 429.03 **filter bag 3**, 2 pcs., 22 x 45 cm (app. 8.6" x 17.7")

Zip up media bag

Filter bags are designed to contain fine filter media, such as activated carbon, **antiphos Fe** or other granular media. The **filter bag** is fitted with a zip fastener for quick and easy replacement of the media.



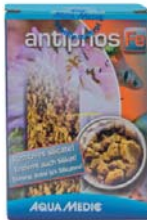
prefilter bag



filter bag 4

- 429.10 **prefilter bag**
- 429.11 **filter bag 4** (2 pcs.) - replacement

Filter bag (Ø app. 12 cm) with 200 µm for use as a pre-filter in a cabinet filter. Incl. acrylic holder for max. 14 mm glass.



- 11650 **antiphos Fe** 300 g/app. 500 ml
- 12650 **antiphos Fe** 600 g/app. 1000 ml
- 12653 **antiphos Fe** 3000 g/app. 5000 ml

For the control of algal growth

Phosphate and silicate remover for freshwater and saltwater aquariums. **antiphos Fe** is an ideal medium for selectively extracting phosphate and silicate from aquarium water, thus counteracting unwanted algal growth. **antiphos Fe** is a highly active iron based product containing no aluminium and is completely non toxic to aquarium plants and animals. The binding capacity of **antiphos Fe** is app. 10 g phosphate/kg. Subject to the conditions 500 ml of **antiphos Fe** will treat a normally populated 300 l aquarium for app. 3 - 6 months.



- 11512 **carbolit** 500 g/1.25 l, 1.5 mm Pellets (app. 1.1 lbs/125 gal)
- 12513 **carbolit** 400 g/1.25 l, 4 mm Pellets (app. 0.9 lbs/100 gal)
- 11517 **carbolit** 5 l/3.5 kg, 1.5 mm Pellets (app. 7.7 lbs/1 gal)
- 12517 **carbolit** 5 l/3 kg, 4 mm Pellets (app. 6.6 lbs/1 gallons)
- 11516 **carbolit** 25 kg/62.5 l, 1.5 mm Pellets (app. 55 lbs)
- 12516 **carbolit** 25 kg/62.5 l, 4 mm Pellets (app. 55 lbs)

For the removal of toxins and colours

Activated carbon pellets for fresh- and saltwater aquaria. **carbolit** comprises of highly efficient activated carbon pellets. **carbolit** quickly clears aquarium water and removes colouring substances, turbidity and medication residues. Yellowing substances such as phenols and tannins that can accumulate in the water are also removed. **carbolit** may also be used as a long-term filter material.



- 13001 **Zeolith 900 g** 10 - 25 mm/1 l can
- 13003 **Zeolith 6 kg** 10 - 25 mm/5 l bucket
- 13006 **Zeolith 25 kg** 10 - 25 mm/bag

For use in salt and freshwater aquaria and ponds
Natural zeolite rock with a highly porous surface.



- 410.80 **BactoBalls** 25 l box (app. 6.25 gal)
- 410.81 **BactoBalls** 5 l bucket (app. 1.3 gal)
- 410.82 **BactoBalls** 15 l bucket (app. 3.75 gal)

Biological filter media

BactoBalls are the optimum filter medium for biological filters. They can be used in trickle filters and denitrification reactors and in larger aquaculture systems. The large surface area of 300 m²/m³ allows a high concentration of active bacterial biomass.



BactoBalls

Item code

Item

Filter material



- 410.79 **sulfur pearls** app. 1000 g/app. 1000 ml can
- 410.79-1 **sulfur pearls** app. 5000 g/app. 5000 ml bucket

Filter medium for Sulphur denitrification reactors
sulfur pearls are sulphur beads formed from pure sulphur. They are used in sulphur nitratereductors as the filter medium and energy source for the bacteria. They have to be replaced from time to time as they are slowly consumed by the bacteria.
 Caution: Use only in nitrate removing anaerobic filters having a low water flow rate.



- 411.76 **Denigran** 4 x 50 g

Supports the natural decomposition of nitrate in salt & fresh water aquaria, also helps clear algae problems
Denigran is a type of granular media made of special plastic material to enhance the settlement of nitrate removing bacteria. The main nutrient, nitrate is removed from the algae without any chemical additives; additional feeding of the bacteria is not required. The optimal designed mesh bag gives the best possible water flow past the media. Depending on the population, **Denigran** will be effective for up to 12 months.
 Content: 4 mesh bags of 50 g each
 Application: 1-2 bags per 50 liters of aquarium water



- 410.78 **Deniballs** 0,8 l (app. 0.2 gal)
- 410.78-1 **Deniballs** 5 l bucket
- 410.78-3 **Deniballs** 25 l box

A filter material and bacteria feed for the Nitratereductor
Deniballs are manufactured from a unique biologically based plastic. One to three packages of 0.8 litres (app. 0.2 gal) each is enough to supply the **Nitratereductor** as the sole food source for 12 months. For the Nitratereductor **NR 5000**, about 5 litres (1.3 gal) are required. Changing the **Deniballs** after approximately 12 months is recommended to ensure safe and maintenance free denitrification in fresh- and saltwater aquaria.



- 411.78 **Mini-Deniballs** 0,5 l

A filter material and bacteria feed for the Nitratereductor
Mini-Deniballs are manufactured from a unique biologically based plastic. One package of 0.5 litres (app. 0.2 gal) is enough to supply a Nitratereductor as the sole food source for 12 months. Changing the **Mini-Deniballs** after approximately 12 months is recommended to ensure safe and maintenance free denitrification in fresh- and saltwater aquaria.



- 410.76-1 **denimar** 150 g

Nutrient powder for the **Nitratereductor**
 The bacteria within an anaerobic biofilter need organic nutrients as their energy source to remove nitrate. If **denimar** is dosed daily, high nitrate removal rates can be achieved in the **Nitratereductor**. **denimar** is suited for salt- and fresh-water aquaria. It contains no fertilizers and does not foster the growth of algae.



- 12411 **biobacter**

bacteria culture for improving nitrification and de-nitrification in aquaria
biobacter is a compound containing freeze-dried living bacteria. It is used to start new biological filters, revitalise filters after using medication, and to improve nitrification in existing aquaria. **biobacter** comprises a glass vial of bacteria and bacteria feed. 1 carton for 250 litres (app. 60 gallons).

Item code

Item

UV-C sterilizer



Helix Max 18 W

- 80805 **Helix Max 5 W**
- 80809 **Helix Max 9 W**
- 80811 **Helix Max 11 W**
- 80818 **Helix Max 18 W**
- 80836 **Helix Max 36 W**
- 80855 **Helix Max 55 W**

Water clarifier for fresh- and saltwater aquariums and garden ponds.

Helix Max UV sterilizers can eliminate single cell algae giving crystal clear water in aquariums and ponds. The water is directed in a spiral path around the quartz tube resulting in more efficient use of the UV radiation than in standard units. The inlet and outlet fittings can be rotated through 360° for easy mounting at any angle. All **Helix Max** with a rubber cable and high frequency electronic ballast, for garden ponds, salt- and freshwater aquariums. The electronic ballasts increase the lifetime and the efficacy of the UV lamps.

Type	5 Watt	9 Watt	11 Watt	18 Watt	36 Watt	55 Watt
Salt water aquarium	25 - 125 l	125 - 250 l	150 - 350 l	250 - 500 l	500 - 1,000 l	up to 1,500 l
Recommended max. flow	100 l/h	200 l/h	300 l/h	500 l/h	1,000 l/h	1,500 l/h
Fresh water aquarium	50 - 250 l	250 - 500 l	350 - 750 l	500 - 1,000 l	1,000 - 2,000 l	up to 3,000 l
Recommended max. flow	200 l/h	500 l/h	700 l/h	1,000 l/h	2,000 l/h	3,000 l/h
Capacity	1.8 W/UVC	2.4 W/UVC	3.6 W/UVC	5.5 W/UVC	12 W/UVC	17 W/UVC
Cable length	2 m	2 m	2 m	10 m	10 m	10 m
Lamp type	PL-S-5 Watt	PL-S-9 Watt	PL-S-11 Watt	PL-L-18 Watt	PL-L-36 Watt	PL-L-55 Watt
Max. pressure	0,3 bar					
Power connection	230 V~/50 Hz					
Dimensions l x w in mm, app.	160 x 75	240 x 75	290 x 75	380 x 120	510 x 120	650 x 120



UVC-Max

- Spare bulbs for Helix Max:
- 80805-8 **UVC-Max 5 W**
 - 80809-8 **UVC-Max 9 W**
 - 80811-8 **UVC-Max 11 W**
 - 80818-8 **UVC-Max 18 W**
 - 80836-8 **UVC-Max 36 W**
 - 80855-8 **UVC-Max 55 W**



UV-C Professional

- 81828 **UV-C Professional 2 x 80 W**
- 81848 **UV-C Professional 4 x 80 W**
- 81888 **UV-C Professional 8 x 80 W**
- 81898 **UV-C Professional 12 x 80 W**

Modular UV-C system.

Aqua Medic water clarifiers are suitable for fresh and salt water aquaria. Helix Max can eliminate single cell algae giving crystal clear water in aquaria. The water is directed in a spiral path around the quartz tube resulting in more efficient use of the UV radiation than in standard units. This system consists of modules with 80 watt lamps.

The housing consists of solid blue PVC tubes. The electronic ballast is placed in a switchbox together with an hour meter.



UV-Professional	2 x 80 W	4 x 80 W	8 x 80 W	12 x 80 W
Salt water aquarium	5 - 10 m³	10 - 20 m³	25 - 35 m³	35 - 55 m³
Recommended max. flow	10 m³/hr	20 m³/hr	30 m³/hr	60 m³/hr
Fresh water aquarium	10 - 20 m³	20 - 40 m³	50 - 70 m³	70 - 110 m³
Recommended max. flow	15 m³/hr	30 m³/hr	50 m³/hr	75 m³/hr
Capacity	520 mW/cm²	1040 mW/cm²	2080 mW/cm²	3120 mW/cm²
Lamp type	80 W T5			
Power connection	230 V~/50 Hz			
Dimensions l x w in mm, app.	920 x 365	1055 x 545	982 x 787	1055 x 585

- 80891-8 **Spare bulb for UV-C Professional 80 W**

Item code	Item
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Light - LED

- 87711 **aquarius 30**
- 87712 **aquarius 60**
- 87713 **aquarius 90**
- 87714 **aquarius 120**

New

LED aquarium light for saltwater aquaria

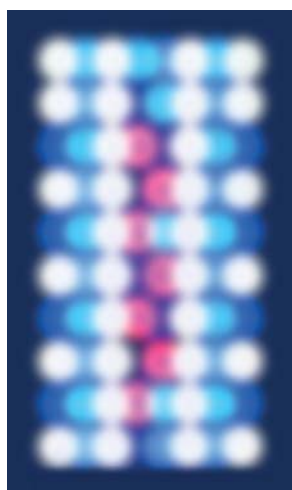
The **aquarius** light is made of high quality aluminium in a slim design which offers even illumination of your aquarium. The compilation of the six individual light colours can be specifically adjusted to the needs of saltwater aquaria. The light has preparation for connecting a 6-channel controller which makes individual adjustment of light colour, light intensity and light settings possible.

Equipment:

- LED light with 6 colours
- Prepared for connecting a 6-channel controller (**aquarius control**)
- Anodized housing made of aluminum for cooling passively (no fans)
- For safety 24 V with external transformer (100-240 V / 50-60 Hz)
- Adjustable holder for fixing onto the aquarium

Optional:

- **aquafit 2** steel wire suspension
- **aquarius control**
- **Y-Kabel**
- **aquarius holder**



aquarius LED Module

aquarius	30	60	90	120
Total consumption max./W	32	65	95	128
Total Lumen app./lm	2080	4160	6240	8320
Dimensions (l x w x h) app./mm	320 x 210 x 25	580 x 210 x 25	840 x 210 x 25	1100 x 210 x 25
For aquarium with length app./mm	350 - 600	600 - 900	850 - 1100	1150 - 1350
Light colours - Colour temperature	white blue purple	6000 - 6500 K 460 - 465 nm 395 - 405 nm	royal blue red UV	450 - 455 nm 620 - 625 nm 365 - 370 nm

- 87700 **aquarius control**

New

6-channel controller for **aquarius**

- Six independently programmable / dimmable channels, e. g. for sunrise, sunset and moonlight.
- Optional Y-cable is available meaning several **aquarius** lights can be controlled simultaneously.
- Programming is done via the **aquarius control** timer interface. It's not necessary to connect it to the computer.
- Power (24 V low voltage) is supplied via the **aquarius** connection on the light fixture itself, no additional power supply is required.

Dimensions (l x w x h): app. 110 x 60 x 25 mm
Cable length: app. 1,800 mm



Item code

Item

Light - LED

83216050 **Qube 50**

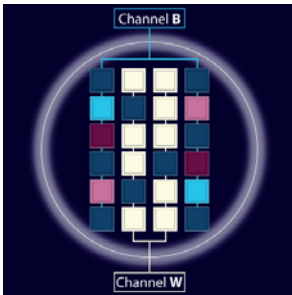


- High Power LED-Spot light for saltwater aquaria
- LED Cluster chip consisting of 24 individual LED elements with balanced light spectrum
- High energy density specially designed for strong coral growth (PAR=1.250 $\mu\text{mol m}^{-2}\text{s}^{-1}$).
- Colour and light intensity are adjustable manually via 2 channels.
- Integrated 0 - 10 V connection for using external controllers.
- The compact design allows for an ideal illumination of nano aquaria as well as dark edge areas in larger aquaria.
- Silent-running internal fan for reliable cooling of high-power LED chips.
- A flexible goose neck ensures a firm hold and easy alignment, a wire suspension system for mounting on the ceiling is included.



LED	cool white	12,000 K	9 pcs.
	royal blue	450 - 455 nm	9 pcs.
	sky blue	465 - 470 nm	2 pcs.
	violet	420 - 430 nm	2 pcs.
	UV	400 - 405 nm	2 pcs.

There is a lense with 90° scattering angle installed.



Technical data:

Dimensions (housing)	app. 80 x 80 x 65 mm
Weight incl. holder	app. 725 g
Number of light channels	2
Number of light colours	5
Illuminated area max.	app. 500 x 500 mm
Total lumen	834 lm
Total consumption	50 watts max.
Power supply transformer	100 - 240 V/50 - 60 Hz
Power supply light	24 V

83216000 **Qube control**

New



- 2-channel light control for Qube
- Two independently programmable / dimmable channels for blue phase, sunrise, sunset and moonlight.
- By using a connecting cable (included in shipment) several Qubes can be connected in series to be controlled simultaneously.
- Programming is completed via the supplied remote control from the **Qube control** by timer. No connection to the PC is therefore necessary.
- Power (24 V low voltage) is supplied via the Qube lights power pack, no additional power supply is required.
- Can be used with all 0 - 10 volt control lamps. (If necessary, separate power supply required)

Dimensions (l x w x h): app. 74 x 74 x 15 mm
Cable length: app. 1,400 mm

Item code

Item

Light - LED



LEDspot 100 W



LEDspot 200 W

- 83414100 **LEDspot 100 W 12K 90°**
- 83414150 **LEDspot 100 W 12K 60°**
- 83414160 **LEDspot 100 W 12K 120°**
- 83416100 **LEDspot 100 W blue 90°**
- 83416150 **LEDspot 100 W blue 60°**
- 83416160 **LEDspot 100 W blue 120°**
- 83415100 **LEDspot 100 W 6.5K 90°**
- 83415150 **LEDspot 100 W 6.5K 60°**
- 83415160 **LEDspot 100 W 6.5K 120°**

- 83414200 **LEDspot 200 W 12K 90°**
- 83414250 **LEDspot 200 W 12K 60°**
- 83414260 **LEDspot 200 W 12K 120°**
- 83416200 **LEDspot 200 W blue 90°**
- 83416250 **LEDspot 200 W blue 60°**
- 83416260 **LEDspot 200 W blue 120°**
- 83415200 **LEDspot 200 W 6.5K 90°**
- 83415250 **LEDspot 200 W 6.5K 60°**
- 83415260 **LEDspot 200 W 6.5K 120°**

Splash-proof LED-spotlight (IP65)

The lights are equipped with 100 W respectively 200 LED chips (Epistar). The light beam is bundled with a lense to 90°. The luminous flux of the 100 W light is app. 10.000 lumen and of the 200 W light app. 20.000 lumen. These lights could replace metal halogen damp lights from 250 W respectively from 400 W.

The control gear unit is placed in a splash-proof body on the light. The control gear (Meanwell) could be dimmed with a 0 - 10 V control e.g. with the Aqua Medic **Qube control** (See page 41.).

The **LEDspots** will be cooled passive by over a massive corrosion resistant aluminium cooling element.

It can be hang up on the central loop with a chain or attached with a holder out of polished stainless steel on the ceiling. Then you can adjust the angle.

Technical data:

LEDspot 100 W: Ø 32 cm, height: app. 38 cm, app. 8 kg

LEDspot 200 W: Ø 32 cm, height: app. 48 cm, app. 11.2 kg



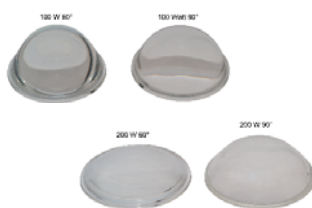
FlapSet LEDspot

83414108 FlapSet LEDspot

Flaps suitable for Aqua Medic **LEDspots** 100 W/200 W and **LEDspots flex** 200 W incl. mounting ring.

83400001 Control cable LEDspot and LEDspot flex

Control cable (app. 1.5 m) for connecting the Aqua Medic **LEDspots** to the **Qube control**
Special lengths are available on request.



Lens LEDspot

- 83414105 **Lens 90° LEDspot 100 W**
- 83414104 **Lens 60° LEDspot 100 W**
- 83414106 **Lens 120° LEDspot 100 W**
- 83414205 **Lens 90° LEDspot 200 W/ LEDspot 200 W flex**
- 83414204 **Lens 60° LEDspot 200 W/ LEDspot 200 W flex**
- 83414206 **Lens 120° LEDspot 200 W/ LEDspot 200 W flex**

Lenses to change the beam angle of **LEDspots**.

Item code

Item

Light - LED

83418250 **LEDspot 200 W flex**

Splash-proof LED spotlight (IP65)

The **LEDspot 200 W flex** is equipped with a two-coloured LED chip (white and blue). Both colours can be dimmed separately. The control gear (Meanwell) guarantees for a reliable and safe power supply. The light beam is bundled with a lens to 90°. By an optional manual dimming, the **Potentiometer** (incl. approx. 7.50 m cable) or **Qube control (control cable LEDspot)** is also required.) both light channels can be adjusted optimal to the individual needs. A holder for the ceiling is included.



LEDspot 200 W flex



Dimensions: Ø 280 mm, height app. 400 mm
 Weight: app. 12 kg
 Luminous flux: white: 10,000 Lm, blue: 3000 Lm
 Light colour: white: 12,000 K, blue: 455-460 K
 Beam angle: 90°, optional 60°/120°

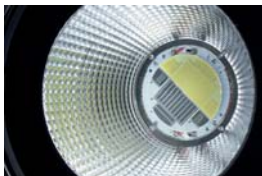
83418450 **LEDspot 400 W flex**

Splash-proof LED spotlight (IP65)

The **LEDspot 400 W** is equipped with a two-coloured LED chip (white and blue). Both colours can be dimmed separately. The control gear (Meanwell) guarantees for a reliable and safe power supply. The pre-installed reflector provides a viewing angle of about 60°. Optional, the reflector supplied incl. diffuser can be mounted with an angle of about 90°. By an optional manual dimming, the **Potentiometer** (incl. approx. 7.50 m cable) or **Qube control (control cable LEDspot)** is also required.) both light channels can be adjusted optimal to the individual needs. A holder for the ceiling is included.



LEDspot 400 W flex



Dimensions: Ø 390 mm, height app. 500 mm
 Weight: app. 13.5 kg
 Luminous flux: white: 21,895 Lm, blue: 6087 Lm
 Light colour: white: 12,000 K, blue: 16,500 K
 Beam angle: 60° / 90°

83420550 **LEDspot 500 W flex**

New

In preparation.
 Details coming soon.



LEDspot 500 W flex



83414210 **Potentiometer LEDspot flex 200 W/400 W/500 W**

Manual dimming for **LEDspot flex**
 By the **potentiometer** (incl. 7.5 m cable) both light channels of the **LEDspots flex** can be adjusted independently optimal to the individual needs. **Special lengths are available on request.**



Potentiometer

Item code	Item
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Light - T5



T5 reflector

- 80909 **Ocean Blue power compact 24 W**
Blue actinic power compact lamp for saltwater aquariums. For combination with metal halide lamps and **Ocean White 24 W**.

- 81909 **Ocean White power compact 24 W**
Blue-white power compact lamp with a colour temperature of 10000K. For freshwater and marine aquarium.

- 83221 **T5 reflector 24 W** incl. clip, length app. 51,1 cm
- 83231 **T5 reflector 39 W** incl. clip, length app. 81,1 cm
- 83251 **T5 reflector 54 W** incl. clip, length app. 109,5 cm
- 83281 **T5 reflector 80 W** incl. clip, length app. 140,5 cm
- 83220 Clip for reflector **T5** (stainless steel)

T5 tubes, 16 mm Ø, FQ-Serie/ minimum order 10 pcs. per wattage

- 88700 **aqualine T5 Reef Blue 24 W** 55 cm (app. 22")
B* 26 kWh/1.000 h
 - 88701 **aqualine T5 Reef Blue 39 W** 85 cm (app. 34")
B* 44 kWh/1.000 h
 - 88702 **aqualine T5 Reef Blue 54 W** 115 cm (app. 46")
B* 60 kWh/1.000 h
 - 88703 **aqualine T5 Reef Blue 80 W** 145 cm (app. 58")
B* 85 kWh/1.000 h
*Power efficiency category
- aqualine T5 Reef Blue** is intended for use in saltwater aquariums with the lamp emitting, almost exclusively, blue light in the spectrum between 400 nm and 500 nm, peaking at 420 nm. These wavelengths enhance the growth of many coral species. In addition, when combined with **Reef White 10K** or **15K** they give the aquarium a most natural appearance.

- 88710 **aqualine T5 Reef White 15K 24 W** 55 cm (app. 22")
B* 26 kWh/1.000 h
- 88711 **aqualine T5 Reef White 15K 39 W** 85 cm (app. 34")
B* 44 kWh/1.000 h
- 88712 **aqualine T5 Reef White 15K 54 W** 115 cm (app. 46")
B* 60 kWh/1.000 h
- 88713 **aqualine T5 Reef White 15K 80 W** 145 cm (app. 58")
B* 85 kWh/1.000 h
*Power efficiency category

A blue/white lamp for the illumination of saltwater aquaria
This lamp emits an extremely bright blue/white light, providing ideal illumination for the saltwater aquarium. The spectrum is chosen to encourage strong coral growth. **aqualine T5 Reef White 15K** can be used as the sole light source for an aquarium as well as in combination with **aqualine T5 Reef Blue**.

- 88720 **aqualine T5 Reef White 10K 24 W** 55 cm (app. 22")
A* 26 kWh/1.000 h
- 88721 **aqualine T5 Reef White 10K 39 W** 85 cm (app. 34")
A* 44 kWh/1.000 h
- 88722 **aqualine T5 Reef White 10K 54 W** 115 cm (app. 46")
A* 60 kWh/1.000 h
- 88723 **aqualine T5 Reef White 10K 80 W** 145 cm (app. 58")
A* 85 kWh/1.000 h
*Power efficiency category

aqualine T5 Reef White 10K is a bright white lamp with a colour temperature of 10000 K
The lamp simulates tropical sunlight and is the ideal basic illumination for marine as well as freshwater aquaria. For saltwater aquariums, we recommend combining **aqualine T5 Reef White 10K** with aqualine **T5 Reef Blue** to increase the blue spectrum whilst for freshwater the combination of aqualine **T5 Reef White 10K** with aqualine **T5 Plant Grow** will enhance plant growth.

Item code

Item

Light - Metal halide

**Please add the luminaire part number to complete confirmation:
-1 black, -3 RAL-number from our colour card, -4 silver.**



aquasunlight NG

- 85512-1 **aquasunlight NG 60 cm** 1x150 W + 2xT5 24 W
- 85612-1 **aquasunlight NG 60 cm** 1x150 W + 4xT5 24 W
- 85513-1 **aquasunlight NG 60 cm** 1x250 W + 2xT5 24 W
- 85613-1 **aquasunlight NG 60 cm** 1x250 W + 4xT5 24 W

- 85522-1 **aquasunlight NG 120 cm** 2x150 W + 2xT5 54 W
- 85622-1 **aquasunlight NG 120 cm** 2x150 W + 4xT5 54 W
- 85523-1 **aquasunlight NG 120 cm** 2x250 W + 2xT5 54 W
- 85623-1 **aquasunlight NG 120 cm** 2x250 W + 4xT5 54 W

- 85532-1 **aquasunlight NG 180 cm** 3x150 W + 2xT5 80 W
- 85632-1 **aquasunlight NG 180 cm** 3x150 W + 4xT5 80 W
- 85533-1 **aquasunlight NG 180 cm** 3x250 W + 2xT5 80 W
- 85633-1 **aquasunlight NG 180 cm** 3x250 W + 4xT5 80 W

The **aquasunlight NG** combines all the benefits of metal halide lamps with the technology of the T5 fluorescent lamps. Of course, the fixture is made of saltwater resistant powder coated aluminium and supplied with high purity aluminium reflectors. For long term reliability, the electronic components are all manufactured by the leading European manufacturers.

Incl. LED-moonlight. The steel wire suspension **aquafit** is included in delivery. Dimensions (l x w x h):

- aquasunlight NG 60 cm: app. 60 x 41 x 9.5 cm
- aquasunlight NG 120 cm: app. 120 x 41 x 9.5 cm
- aquasunlight NG 180 cm: app. 180 x 41 x 9.5 cm



- 80941 **aqualine 10000** 70 W 13K
- 80942 **aqualine 10000** 150 W 13K
- 80950 **aqualine 10000** 175 W E39 13K
- 80943 **aqualine 10000** 250 W 13K
- 80951 **aqualine 10000** 250 W E40 13K
- 80944 **aqualine 10000** 400 W E40 13K
- 80945 **Bulb** 1000 W E40 13K

Metal halide lamp for saltwater aquaria

The **aqualine 10000** lamp has a colour temperature of 13000° Kelvin and a high percentage of the light output is at the blue end of the spectrum. **aqualine 10000** was the first metal halide lamp to simulate the lighting conditions on a coral reef and the new lamp gives an even more realistic looking aquarium as the improved twin getters give long term colour stability. The corals show their natural colours and the lighting intensity encourages excellent growth.

aqualine 10000 helps to transform your aquarium into a perfect reef tank.



- 80982 **aqualine 16000** 150 W 16K
- 80983 **aqualine 16000** 250 W 16K

A blue/white full spectrum metal halide lamp for marine aquaria

The **aqualine 16000** lamp simulates the light spectrum in deeper waters. It is best used in combination with **aqualine 10000**, but as it is a full spectrum lamp it can also be used as the sole light source, if a high percentage of blue light is required. In these circumstances, there is no need for blue fluorescent lamps and the efflorescing colours of the corals are enhanced.



- 80971 **aqualine 20000** 70 W 20K
- 80972 **aqualine 20000** 150 W 20K
- 80973 **aqualine 20000** 250 W 20K

A blue metal halide lamp for marine aquaria

The **aqualine 20000** blue lamp emits light strongly in the blue end of the spectrum. The use of this "actinic" lamp enhances the fluorescent blue and green colours of many corals. The lamp should be used in combination with **aqualine 10000**. This combination gives the aquarium a beautiful bluish hue.

Item code	Item
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Accessories Light



Suspension	Aqua Medic light system
aquafit	aquaspacelight 400 aquasunlight NG aquastarlight T5 Ocean Light T5 sunbeam
aquafit 2	aquareefLED aquasunLED Ocean Light T5
aquafit 3	Ocean Light LED Ocean Light LED twin ECOplant LED ECOplant LED twin

80400 **aquafit**

Steel Wire Suspension

The wire suspension system **aquafit** provides a neat and simple method of ceiling mounting of Aqua Medic and other suitable lights. The suspension system contains 2 pcs. of the following: ceiling plate with retaining bush, stainless steel, top screw fitting, wire with ferrule, light fixing incl. top cap, plastic washer, screws and wall fixings and clips to secure the wire's end.



80401 **aquafit 2**

Steel Wire Suspension

Universal suspension kit for use with all suspended lighting units, provided that the screws in the housing's end plates are of adequate length & not too wide (max. Ø 4 mm).

aquafit 2 consists of 2 pieces of 2 metre stainless steel wire with stopper, ceiling plate with retaining bush, steel wire with height and angle adjustment unit attached, screws and plugs. The suspension kit allows fixing of the lighting unit to the ceiling and provides easy adjustment in both height and angle of unit.



80402 **aquafit 3**

Steel Wire Suspension

Suitable for Aqua Medic Ocean Light LED-, ECOplant-series, may also be suitable for other lights that have Ø M3 thread fixings to attach the cable holder onto the top of the light housing.

aquafit 3 consists of 2 pieces of 2 metre stainless steel wire with stopper, ceiling plate with retaining bush, steel wire with height and angle adjustment unit attached, screws and plugs. The suspension kit allows fixing of the light unit to a suitable ceiling and provides easy adjustment in both height and angle of the unit.

83200001 **Ocean Light LED Control**

Programmable controller for Ocean Light LED light fixtures

- Two independently programmable / dimmable channels, for daylight and warm white LEDs (sunrise, sunset and moonlight).
 - Optional Y-cable is available meaning up to 3 **Ocean Light LED** light fixtures can be controlled simultaneously.
 - Programming is via the **Ocean Light LED control** timer interface.
 - Power (24 V low voltage) is supplied via the **Ocean Light LED** connection on the light fixture itself, no additional power supply is required.
- Dimensions (l x w x h): app. 90 x 50 x 18 mm / 3.5 x 2 x 0.75 in
Cable length: app. 1800 mm / 70 in

Clearance item – while quantities last.



Ocean Light LED Control

86608 **Y-cable**

Y-cable for connecting several **Ocean Light LED** lamps to just one **Ocean Light LED Control**. Cable length: 1,2 m



Y-cable



AQUA MEDIC



<http://aqua-medic.de/index.php?r=news>

Item code

Item

Measurement and control technology

200.25 **T controller twin**



Digital temperature monitor & controller, for the control & monitoring of heating systems and cooling units simultaneously
The temperature controller **T controller twin** is used for controlling both heating systems & cooling units. Measuring and switching accuracy is 0.1 °C. The control range varies from 0 – 50 °C, & the set value is in 1 °C increments. **The maximum load for the heating systems & cooling units is 1,200 watts.** Because of the integrated double socket it is possible to connect a heating system & cooling unit simultaneously. The **T controller twin** is supplied with a waterproof temperature probe. The LCD display provides instant information on the current temperature. The minimum and maximum values can be easily adjusted.

- 110.010 **Titanium heater 100 W** for aquaria
up 100 - 250 l, length: app. 27 cm (app. 10.6")
- 110.020 **Titanium heater 200 W** for aquaria
up 250 - 500 l, length: app. 28 cm (app. 11")
- 110.030 **Titanium heater 300 W** for aquaria
up 500 - 1,000 l, length: app. 30 cm (app. 11.8")
- 110.050 **Titanium heater 500 W** for aquaria
up 1,000 - 1,500 l, length: app. 32 cm (app. 12.6")



Titanium Heater

Titan Aquarium Heater
Titanium heaters are the safe alternative to glass heaters in both fresh- and salt water aquaria. The unbreakable titanium housing is saltwater resistant and the heaters have both overheat and dry running protection cutouts. The heaters must be used in combination with a temperature controller. For temperature-dependent control we recommend optional the use of our **T controller twin**.
Ø 20 mm

200.00 **pH controller** without probe



pH monitor and controller
The **pH controller** is a precision instrument for controlling the pH value in aquaria. In combination with a CO₂ system and a solenoid valve the pH can be maintained at a constant level, and the CO₂ supply to aquatic plants or into a calcium reactor can be controlled. The unit is supplied with a large LED display and the control range is digitally adjustable from pH 3.5 to 10.5. **The direction of adjustment can be set up or down.** The **pH controller** has a BNC connection for pH electrodes.
The use of an original Aqua Medic **plastic shafted electrode** is recommended.

200.50 **pH-control-Set**



pH-control-Set

Includes: **controller, pH-sensor, sensor holder, pH-test fluid** and **solenoid valve**.

200.05 **mV controller** without probe



Redox-potential (ORP) monitor and controller
The **mV controller** is designed for monitoring and controlling the redox potential (or ORP - oxidation-reduction potential) in aquaria. The unit has a broad controlling range from -500 to a +500 mV, and a measuring range from -1000 to +1000 mV. It can be used to control the supply of ozone in saltwater aquaria and / or for the control of nitrate removal in anaerobic biological filters (**Nitrate-reductor**). The unit is supplied with a BNC connection for a mV probe. The use of an original Aqua Medic **plastic shafted electrode** is recommended.

Item code

Item

Measurement and control technology

200.10 **LF controller** with probe

Conductivity monitor and controller

The salt content of water can be determined by measuring the electrical conductivity. A special feature of the **LF controller** conductivity monitor and controller is the broad measurement and control range which is divided into 2 bands: from 0 to 2000 μ S, the unit is used for monitoring desalinated water and freshwater, and in the range 0 to 200 mS, it is used for brackish and salt-water. The unit can therefore be used for the control of reverse osmosis units, for monitoring breeding tanks with soft water, and for the control of the salt content in marine aquaria. The unit is supplied with a directly connected, salt-water resistant graphite electrode.

200.15 **T controller CC** with probe

200.20 **T controller HC** with probe

Temperature monitor and controller

The **T controller** is available in 2 versions: **T controller HC** for the control of heating systems and **T controller CC** for the control of cooling units. The control range varies from 0 to 50 °C, with an accuracy of ± 0.1 °C. The maximum load is 1000 watts for heaters and 600 watts for coolers. The units are supplied with a waterproof temperature probe.



203.20 **T-meter**

Submersible digital thermometer incl. rubber sucker and battery.

203.10 **T-meter twin**

External double-display Thermometer

Large double LCD display simultaneously showing aquarium & ambient temperature. Selectable temperature unit: °C or °F. With adhesive tape at back side for easy putting on aquarium tank

- Ambient: -10 ~ +50 °C (-14 ~ +122 °F)
- Aquarium: -50 ~ +70 °C (-58 ~ +158 °F)
- Resolution: 0.1 °C / 0.1 °F
- Accuracy: ± 1 °C (2 °F)
- Power supply: 1.5 V (AG10)



201.00 **pH computer-Set**

Microprocessor controlled pH monitor and controller

The **pH computer-Set** utilises a modern microprocessor, which provides high precision measurement and control. The **pH computer-Set** is used to control precise values of pH in the aquarium or the calcium reactor. The direction of control can be set upwards or downwards. The computer can switch up to 500 watts using the supplied external electrical socket. When the calibration key has been selected the unit will automatically calibrate itself to the electrode. A **plastic shafted pH electrode** with BNC fitting and the correct calibration fluids are included.



pH computer-Set

201.05 **mV computer-Set**

Microprocessor controlled redox-potential (ORP) monitor and controller

The **mV computer-Set** uses the same microprocessor technique as the **pH computer-Set**. Waterproof touch keys are used to set the required values and calibrate the electrode. The **mV computer-Set** is ideal for controlling anaerobic biological filters such as the **Nitratereducator** which have negative redox potential or can control the supply of ozone to the aquarium, or monitor the aquarium water's redox potential. All these functions are possible due to the computer's broad measurement and control range of -500 to +1000 mV. The direction of control can be set upwards or downwards. The status of the direction of control and the output are shown on LED's. A plastic shafted **mV electrode** with a BNC fitting and calibration fluid is included.



mV computer-Set

Item code	Item
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Measurement and control technology



201.20 T computer-Set

Microprocessor controlled temperature monitor and controller
 The **T computer-Set** is a precise multi-functional temperature controller and is complete with a digital temperature sensor. The mode of operation can be set using the function keys, either as a heater or cooler controller. In "heating" mode, the temperature is controlled to the set value using a proportional pulse system with an accuracy of ± 0.1 °C. In the "cooling" mode, the accuracy is ± 0.5 °C. The maximum operating power is 1,000 watts for heaters and 600 watts for coolers.

77114 aquaniveau with 2 switches

Electronic level and refill controller
 The **aquaniveau** electronic level controller may be used in 2 different modes: As a top up controller with one or two float switches to control the replacement of evaporated water. It is possible to control dosing pumps (e.g. **SP 3000**) or circulation pumps (max. 200 W). If circulation pumps shall be controlled, a second sensor can be used as dry running protection for the pump. In order to fill a storage tank by an osmosis unit, the operation with solenoid valve and two float switches as maximum/minimum control is possible.



- 202.00 **Ozone 25**
- 202.05 **Ozone 50**
- 202.10 **Ozone 100**
- 202.15 **Ozone 200**
- 202.20 **Ozone 300**

The injection of **Ozone** into the water can improve the efficiency of protein skimming and raise the ORP (redox potential). The decomposition of toxic nitrite is enhanced whilst the bacteria in the water decreases, minimising the risk of illness of the animals. The compounds that produce yellow colouring in the aquarium are broken down and the water stays crystal clear. The Ozone generators in the **Ozone** - series utilise low voltage technology for safety and reliability. Various models are available with capacities from 25 – 300 mg/h.

	Ozone 25	Ozone 50	Ozone 100	Ozone 200	Ozone 300
Ozone output in mg/h	2 - 25	5 - 50	10 - 100	50 - 200	50 - 300
Continuously adjustable %	0 - 100	0 - 100	0 - 100	0 - 100	0 - 100
Power consumption/watts	3	3,6	4,8	6	10
Air flow rate l/h	30 - 500	30 - 500	50 - 500	100 - 500	200 - 500
Fresh water amount up to/l	500	1000	2000	4000	6000
Salt water amount up to/l	250	500	1000	2000	3000
Outlet/connection in mm	4	4	4	4	4



- 202.905 **Ozonizer S 500 - Sander**
- 202.910 **Ozonizer S 1000 - Sander**
- 202.920 **Ozonizer XT 2000 - Sander**

Ozonizer
 The wear-resistant components offer high-power ozone production with optimum power consumption. The ceramic electrode can be easily cleaned, if necessary. The ozone quantity can be adjusted continuously via a potentiometer. The XT 2000 is equipped with a large touch display that allows convenient operation and precise adjustment of all operating parameters.

	Ozonizer S 500	Ozonizer S 1000	Ozonizer XT 2000
Ozone output - mg/h	0 - 500	0 - 1.000	0 - 2.000
Continuous adjustment - %	0 - 100	0 - 100	0 - 100
Power consumption - watts	12	24	42
Air flow - l/h	200 - 1.000	200 - 1.000	50 - 1.000
Fresh water quantity up to - l	10.000	20.000	40.000
Salt water quantity up to - l	5.000	10.000	20.000

65027 Ozone Booster

Air dryer
 The air dryer is for use with any Aqua Medic Ozone Generators. Ozone output can decrease dramatically if the supply air is very humid. **Ozone Booster** should be used to dry the air, particularly if a protein skimmer is supplied with **Ozone** using the humid air present in the aquarium cabinet. In some circumstances ozone production can be almost doubled. The unit utilises **silicagel** as the drying component. The **silicagel** should be changed as soon as the indicator beads change their colour from orange to blue.

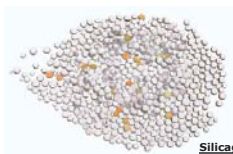


Ozone Booster

Item code

Item

Measurement and control technology



Silicagel

12730 **Silicagel** 600 g/app. 1000 ml

Ozone Booster - Refill

Dry granulate with high de-hydration capacity. The indication pearls changing colour from orange to blue if wet.



M-ventil Standard

230.30 **M-ventil Standard**, nickel plated, 1/8", 2.5 watts

Electronic shut off valve for CO₂-Standard

M-ventil Standard has a high quality nickel plated brass body with a maximum operating pressure of 6 bar, pressure fittings for 6 mm flexible hose and can be connected to all our CO₂ units. The solenoid coil consumes only 2.5 watts of electric energy to prevent overheating.



M-ventil 1/2"

230.35 **M-ventil 1/2"** for tap water, brass

Water shut off valve

M-ventil 1/2" for water is intended for automatic control of reverse osmosis units. The brass body has connections for 1/2" BSP male fittings and is recommended only for use with tap water. The power uptake is 6 watts.



Probes

- 220.10 **Plastic probe pH**
- 220.11 **Glass probe pH**
- 220.12 **Plastic probe pH PG 13.5**
- 220.16 **Plastic probe mV**
- 220.17 **Glass probe mV**
- 220.18 **Plastic probe mV PG 13.5**

Aqua Medic **pH- and mV-electrodes** (Redox-potential) are quality products designed for both accurate measurement and long, trouble free use. Both types of electrodes are available in three versions: Standard electrodes - with plastic shaft, glass electrodes - laboratory standard for extended performance. Electrodes with plastic shaft and PG 13.5 thread - pressure resistant up to 3 bar, and can be used in plumbing fittings or in a closed version of Nitratereductors and Calciumreactors.



Electrode holder

- 230.62 **Electrode holder 2**
- 230.64 **Electrode holder 4**

For use with up to 2 or 4 electrodes, easily attaches to the aquarium. The level of submergence of the electrodes is fully adjustable.

230.00 **Electrode holder**

An **Electrode holder** is available as an option. It can hold up to four electrodes, and can be attached to the horizontal stress bars inside the aquarium, or directly over the edge of the aquarium glass.

- 230.004 **pH 4 test fluid** 60 ml
- 230.007 **pH 7 test fluid** 60 ml
- 230.009 **pH 9 test fluid** 60 ml

- 230.300 **KCL-solution** for pH + mV sensors 60 ml
- 230.230 **230 mV test fluid** 60 ml
- 230.400 **Cleaning solution** 60 ml
- 230.250 **250 µS test fluid** 60 ml
- 230.050 **50 mS test fluid** 60 ml



test fluids

Electrode calibration fluids

The accuracy of all electrodes is dependent upon their calibration. To ensure accurate readings, all electrodes need to be calibrated at regular intervals. To ensure that the fluid values used to calibrate the electrodes remain constant, regular replacement of these fluids should occur.

Item code

Item

Reverse osmosis

U800.60 **platinum line plus**

New

Reverse osmosis unit incl. high pressure pump for producing up to 400 litres of purified water per day
For the production of soft water with low-salt content for fresh and salt water aquaria, for spraying terrariums and many other applications.
The reverse osmosis system **platinum line plus** is a compact and versatile superior unit. It is supplied with three large 10" filter housings. The filter cartridges (activated carbon, fine filter and demineralization resin) can easily be replaced. The supplied pressure gauge will display the operation pressure at any time. All components, the prefilter housings and the membrane module are mounted onto a stable powder-coated bracket. The unit has a high pressure pump and a flushing valve and therefore, can achieve a high ratio of pure to waste water output up to 1:1. The salt removal rate is up to 99 %. Due to the fully automatic back flushing and continuous monitoring of the pure water, the unit requires very little maintenance.

Dimensions (l x w x h): app. 38 x 22 x 47 cm
Tube's diameter: 1/4"
Filling capacity for resin: app. 600 ml



platinum line plus

U800.25 **premium line 90**, 75 - 90 l/day

U800.30 **premium line 150**, 120 - 150 l/day

U800.35 **premium line 300**, 240 - 300 l/day

For producing 75 - 300 litres (app. 19 - 79 gal) of purified tap water per day
The **premium line** reverse osmosis units are compact and versatile superior grade products. They are supplied with two large (10") prefilter housings and their activated carbon and 5µ sediment cartridges can easily be replaced. The membrane, the heart of the unit, is offered in 3 sizes: 90 l/day and 150 l/day as well as a double membrane of 300 l/day. The membrane housing includes a combined flushing valve and flow restrictor and the system can achieve a concentrate to permeate recovery ratio of 3 to 1 with a rejection rate of app. 95 %. The prefilter housings and the membrane module are mounted onto a strong powder coated wall mounting bracket.



premium line 90/150



premium line 300



easy line

U700.25 **easy line 90**, 75 - 90 l/day

U700.30 **easy line 150**, 120 - 150 l/day

For producing 75 - 150 litres of purified tap water per day (app. 23 - 40 gpd)
easy line 90 and **easy line 150** reverse osmosis units are compact and powerful. A sediment filter retains all particles larger than 5 µm and a carbon filter protects the membrane by removing chlorine. In our units, only TFC (Polyamide / Polysulfone) membranes are used to provide the highest quality treated water, providing a recovery ratio of approximately 3 - 4 concentrate : 1 permeate, and a rejection rate of app. 95 %.

U600.71 **Merlin plus (PRF-RO)**

Reverse osmosis unit with a capacity of app. 2,000 l/day (app. 500 gpd)
The **Merlin plus (PRF-RO)** reverse osmosis unit operates using just the mains pressure of the tap water (3 - 4 bar), without the need for a high pressure pump. It has 2 high flow membranes and a combined activated carbon/sediment prefilter. Salt rejection is app. 90 - 95 % and the recovery ratio (purewater:wastewater) is 3-4:1.
We recommend using an **aquaniveau** level control with an **M-ventil 1/2"** to give automatic control of the unit.



Merlin plus (PRF-RO)

Item code

Item

Accessories for reverse osmosis



Demineralisation filter

- U601.10 Demineralisation filter 10"
- U601.11 Demineralisation filter 600 g/app. 1000 ml can
- U601.12 Demineralisation filter 3000 g/app. 5000 ml bucket

Used to remove the last remaining pollutants using a special ion exchange resin, and is placed after the reverse osmosis unit. It reduces the growth of diatom, if silicate level of tap water is too high.



Activated carbon prefilter cartridge

-
- U605.60 Membrane 90 l / day
 - U605.65 Membrane 150 l / day
 - U605.80 Membrane 200 l / day for platinum line
 - U605.01 Activated carbon prefilter w. fittings for easy line
 - U605.06 Sediment 5 µm prefilter w. fittings for easy line
 - U606.17 Sediment filter 5 µm 10" housing for premium line/platinum line plus
 - U606.10 Combined filter cartridge carb./sed. 10" housing for premium line/platinum line plus
 - U606.15 Activated carbon filter cartridge 10" housing for premium line



Sediment filter

-
- U630.00 PE-tube 4/6 mm / 1 m
-

Item code	Item
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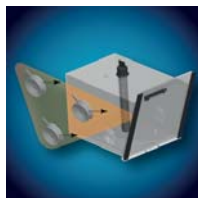
aqua tools

65950 **blue**



LED aluminium torch
 The Aqua Medic **blue** makes corals fluoresce in darkness, the actinic blue colour is particularly well reflected by the natural colours of the corals. Thus, it seems like they are fluorescing. The Aqua Medic **blue** is ideal for watching corals feeding at nighttime as many corals show their feeding tentacles during that time. 3 Watt Cree LED, app. 220 - 240 lm, app. 450 - 465 nm
 Shock resistant and weatherproof, adjustable focus, incl. belt clip and wrist strap. The individual modes can be accessed by pressing the on-off switch.
 3 x Micro AAA (LR03) 1.5 V batteries are required (not included).

501.80 **Fish trap**



Fish trap

Trap for catching a particular fish in an aquarium
 Aquariums can have many hiding places making catching an individual fish extremely difficult without being time consuming and stressful to both yourself and the aquarium inhabitants and can also cause damage to invertebrates when trying to use a net.
Fish trap is baited with some food and as soon as the desired fish has entered the trap the closing mechanism is simply released – by hand. The **Fish trap** is constructed in such a way that when it is removed from the aquarium with the fish inside it remains half full of water. This method considerably reduces the stress on the fish. Incl. **rubber sucker twin**
 The double sucker is made of a highly quality flexible material and is particularly suitable for fixing our **Fish trap** to the inside glass of an aquarium. We recommend using three double suckers to ensure safe fixing of the fish trap. By using this type of fixing, the fish trap does not have to be in contact with the base of the aquarium, making it easier to catch fish than was possible before.
 Dimensions (l x w x h): app. 27.5 x 17 x 17 cm

418.11 **rubber sucker twin** 3 pcs.



rubber sucker twin

The double sucker is made of a highly quality flexible material and is particularly suitable for fixing our **Fish trap** to the inside glass of an aquarium. We recommend using three double suckers to ensure safe fixing of the **Fish trap**. By using this type of fixing, the **Fish trap** does not have to be in contact with the base of the aquarium, making it easier to catch fish than was possible before. You can also use the double sucker to connect other items with smooth surfaces to each other. (Ø env. 45 mm)

501.81 **Trap-pest**



Trap-pest

Universal trap for crabs, snails and bristle worms - for fresh- and saltwater
Trap-pest is an automatic trap for removing undesirable bristle worms, crabs or snails from an aquarium. Bristle worms crawl through a funnel into the trap and cannot find their way out whilst crabs and snails pass through a one way curtain which blocks their return path. The **Trap-pest** is simply baited from the outside.
 Dimensions (l x w x h): app. 15.5 x 7.5 x 8.5 cm

65930 **aquaspoon**



aquaspoon

Spoon scale for measuring chemicals and other additives for aquaria
 Max. 300 g, reading accuracy 0.1 (g, oz, gn, ct), with 2 spoon sizes.

65940 **microscope**



microscope

Pocket microscope with illumination
 For the identification of algae and microorganisms. 60x - 100x zoom function. Incl. holder for microscope slides.

Item code	Item
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aqua tools



66100 **aqua smoothy**

Superfine micro porous fibre cloths, for smear free cleaning of the outside glass of the aquarium, lint-free. The **aqua smoothy** is very absorbent and can be used either wet or dry. It will safely and gently remove salt encrustation or fatty residues without the use of aggressive cleaning agents. Can also be used on most other smooth surfaces.
 Contents: 2 x cloths, each approximately 40 x 40 cm
 Microfiber: 80 % polyester, 20 % polyamide.



filter bag

- 429.01 **filter bag 1**, 2 pcs., 22 x 15 cm (app. 8.6" x 5.9")
- 429.02 **filter bag 2**, 2 pcs., 22 x 30 cm (app. 8.6" x 11.8")
- 429.03 **filter bag 3**, 2 pcs., 22 x 45 cm (app. 8.6" x 17.7")

Zip up media bag
Filter bags are designed to contain fine filter media, such as activated carbon, **antiphos Fe** or other granular media. The **filter bag** is fitted with a zip fastener for quick and easy replacement of the media.



filter bag 4

prefilter bag

- 429.10 **prefilter bag**
- 429.11 **filter bag 4** (2 pcs.) - replacement

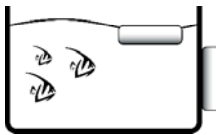
Filter bag (Ø app. 12 cm) with 200 µm for use as a pre-filter in a cabinet filter. Incl. acrylic holder for max. 14 mm glass.



- 67021 **Mega Mag S**
- 67022 **Mega Mag M**
- 67023 **Mega Mag L**

Magnetic glass cleaners for panes between 6 and 18 mm (app. 0.24 and 0.72")
Mega Mag Magnetic glass cleaners are waterproof, corrosion-resistant and suitable for use on fresh and saltwater aquariums, removes debris and algae from the aquarium glass. The floating half of the magnet that is placed within the aquarium can be easily attached to help avoid scratching due to sand and gravel being trapped between the two halves.

Type:	Mega Mag S	Mega Mag M	Mega Mag L
Glass thickness up to	6 mm	12 mm	18 mm
Cleaning surface	app. 62 x 33 mm	app. 98 x 36 mm	app. 85 x 67 mm



Mega Mag 1

- 67000 **Mega Mag 1**
- 67001 **Mega Mag 2**
- 67101 **Spare pads Mega Mag 1 & 2**, 2 pcs.

Magnetic glass cleaners for panes between 10 and 32 mm (app. 0.4" and 1.25")
Mega Mag glass cleaners are completely sealed and corrosion protected and are suitable for use in fresh- and saltwater aquaria. The cleaning pads of the inner magnet and the felt pads of the outer magnet can be easily replaced.
Mega Mag glass cleaners contain extremely strong magnets and have to be handled with care. Cleaning surface 8 x 11 cm.
Mega Mag 1 for glass from 10 – 19 mm (app. 0.4" – 0.75")
Mega Mag 2 for glass from 15 – 32 mm (app. 0.6" – 1.25")



Spare pads



Mega Mag 3

- 67002 **Mega Mag 3**
- 67103 **Spare pads Mega Mag 3**, 2 pcs.

Magnet glass cleaner for large aquariums
Mega Mag 3 is a powerful magnetic cleaner for large aquariums, with panel thicknesses up to 55 mm. As with the smaller models in the **Mega Mag** range, the cleaning pads are easily renewed or a **plexipad** can be fitted for the cleaning of acrylic aquariums. Cleaning surface 10 x 14 cm.

Item code	Item
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aqua tools



- 67100 **plexipad Mega Mag 1 & 2**
- 67102 **plexipad Mega Mag 3**

Cleaning pad for **Mega Mag** to protect acrylic
When using **Mega Mag** cleaners on acrylic aquariums the existing glass cleaning pad should be replaced with **plexipad**. This material is specially selected for cleaning acrylic and is fixed on the inner magnet to protect the acrylic panels from scratching. **plexipad** can be easily changed when worn.



- 67010 **magnetscraper**

Blade accessory for **Mega Mag magnetscraper** is an accessory for the Mega Mag glass cleaner. It converts the **Mega Mag** from a simple magnet into a bladed cleaner. Now, even the most resistant algae can be removed. The **magnetscraper** simply snaps onto the **Mega Mag 1** or **Mega Mag 2** and secured with a single screw. It can easily be removed if required.



- 67011 **magnetscraper blades**, package 5 pcs.

Spare blades for **Mega Mag**



- 66000 **scraper**
- 66001 **scraper blades** 5 pcs.

Aquarium glass cleaner
scraper is a multiple use blade cleaner. The 150 mm wide blade makes it easy to remove even the most resistant calcareous algae from the aquarium glass. Extended durability with stainless steel anti-corrosive coating - specially made sharp blade. The removable blade protector also acts as a squeegee for cleaning the outside of the aquarium glass. A unique feature of the **scraper** is the hinge which allows the blade head to be turned through 180°. This facility allows the user to clean the aquarium even when the tank decoration, such as rocks or roots, are very close to the glass.

- 420.60 **Reef Construct**, 2 x 56 g (2 x app. 2 oz) sticks

- 420.61 **Reef Construct**, 1008 g, 18 x 56 g (18 x app. 2 oz) sticks

A two-component resin for safe and easy attachment of stones and corals in the aquarium.

A two-part epoxy putty to secure rock and hard and soft corals in the aquarium. **Reef Construct** solves many of the problems encountered during the aquascaping of fresh- and saltwater aquariums. **Reef Construct** is a fast curing, two-part epoxy putty that can even be used underwater. It adheres to rock, wood, metal, glass, plastic, concrete and most other materials.

- 420.71 **Coral Construct** - 5 g

- 420.70 **Coral Construct** - 20 g

Under water glue
For safe and easy attachment of coral frags inside and outside the aquarium. Harden quickly in and outside of the water.

- 420.80 **Available from autumn 2017.**

- hot construct** - app. 100 g

New Coral glue
hot construct is an easy-to-use glue for synthetic material for quick and easy gluing of coral fragments (layers). It is free from solvents. Unused material can be reactivated in hot water and reused. Suitable for use above and under water.

Item code

Item

aqua tools

68000 **defroster+**

For defrosting of frozen food and enrichment with amino acids and vitamins. For marine and freshwater fish. The frozen food is thawed in the defroster box, protected from light and vitamin saving. With the **defroster+** sieve, it is separated from the nitrate and phosphate enriched thawing water and can be enriched with essential vitamins and amino acids (**aminovit**). Incl. **defroster+** Box with lid and sieve.



defroster+

230.04 **frag board**

Retaining plate (app. 15 x 15 cm) for holding several **coral pins**. By using the supplied suction cups, the retaining plate can be placed anywhere on the inner side of the aquarium. Thereby, the frags can be put in an optimal position for illumination. Thus, optimal growth of the frags can be significantly stimulated. Incl. 10 x coral pins.



frag board

230.06 **coral pins** (10 pcs.)

Frag stones



418.12 **hopstop**

Hop protection for open top aquaria. Helps prevent nocturnal fish from jumping out. Content: 6 holders (**combfix**) and 3 plastic plates each app. 480 x 50 mm.



hopstop

410.38 **hose clip** Ø 5 - 6 mm

410.39 **hose clip** Ø 6 - 7 mm

Hose clip
Flexible plastic clip designed for the safe fastening of hoses.



hose clip

39520 **Coral strap** (5 pcs.)

Secure strap for soft corals and live rock
Extra wide strap with rounded and thickened edges that do not cut into the tissue of the corals. For vegetative propagation of the soft corals. Saltwater resistant and PVC-free. Re-usable! Length app. 31 cm



230.03 **Coral holder**

The Aqua Medic **Coral holder** is the solution to present invertebrates and clams in shop systems. The holder has a flexible system, adjustable on the dimensions of the animals. With a water-resistant marker, the holder can be signed with name of the species and price.



Coral holder

Item code

Item

aqua tools



aqua grid

415.80 **aqua grid**

Grid plate

The **aqua grid** is a versatile plastic grid that can be used in many applications in the aquarium itself or within a sump/filter system. A unique highly stable plug-in system in the form of slot and key on all sides allowing multiple grids to inter-connect to form a smooth surface of varying sizes depending on your needs.

The **aqua grid** is an excellent base for live rock and can also be used on the base of the aquarium, in filtration systems or for displaying corals in the retail environment.

Dimensions: app. 305 x 305 x 10 mm, grid size: 13 x 13 mm

416.00 **PVC-quadratic pipe** 15 x 15 cm transp./ price per metre

This pipe can be used for the construction of filter components, including trickle filters, denitrifying reactors, calciumreactors, etc.

415.00 **Trickle plate** 15 x 15 cm

Trickle plate, 15 x 15 cm (app. 6" x 6"). Can be mounted on the rectangular pipe, to evenly distribute the water.

415.20 **Lid for trickle plate** 15 x 15 cm

Top lid for trickle plate, 15 x 15 cm (app. 6" x 6"). With a connection for 20 mm Ø pipe.

415.25 **Bottom plate** 15 x 15 cm

Base for rectangular pipe, 15 x 15 cm (app. 6" x 6"). Can be glued to the bottom of the rectangular pipe.

415.30 **Grid for quadratic pipe** 15 x 15 cm

Grate 15 x 15 cm (app. 6" x 6"). Grate for rectangular pipe, useful for holding filter material in place.

418.00 **Overflow comb with holder** 32 cm

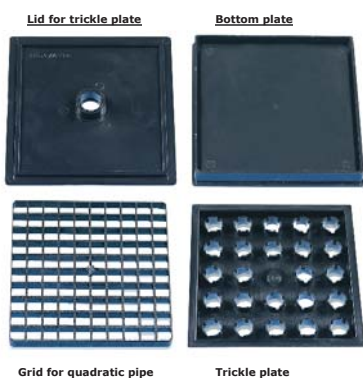
Overflow comb, for the construction of aquarium overflows. The water flows evenly and fish, plant matter and coarse detritus are prevented from entering the overflow chamber. The **holder** is glued on the overflow chamber and the **overflow comb** is pressed securely into the holder, whilst leaving it easy to remove for cleaning and maintenance. Length: app. 32 cm, (app. 12.8"), height: app. 6 cm (app. 2,4"), length of teeth: app. 2,2 cm (app. 0,88")

418.05 **Overflow comb with holder** 50 cm

Overflow comb with holder
With extra long teeth. Holder can be glued to the aquarium or is designed to also be used with combfix (not included).
Length: app. 50 cm (app. 20"), height: app. 8 cm (app. 3,2"), length of teeth: app. 3,7 cm (app. 1,28")

418.06 **combfix** 6 pcs.

Holder for overflow comb
Optional support for fixing the overflow comb to the aquaria without the need for gluing.



Lid for trickle plate

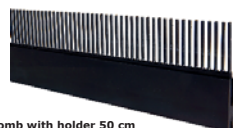
Bottom plate

Grid for quadratic pipe

Trickle plate



Overflow comb with holder 32 cm



Overflow comb with holder 50 cm



combfix



Item code Item

aqua tools



Round grate

- 415.31 **Round grate 40** mm black
- 415.41 **Round grate 40** mm transparent
- 415.32 **Round grate 50** mm black
- 415.42 **Round grate 50** mm transparent
- 415.33 **Round grate 63** mm black
- 415.43 **Round grate 63** mm transparent

Ideal for preventing larger detritus flowing through. They are manufactured in three sizes. Ø 40 mm, 50 mm and 63 mm (app. 1.6", 2" and 2.5")



Tank union

- 417.25 **Tank union D 25**
- 417.32 **Tank union D 32**
- 417.40 **Tank union D 40**

Tank union from ABS for the connection of aquariums to PVC hard pipes.



Adapter union AM

- 416.125 **Adapter union AM 25** mm
- 416.132 **Adapter union AM 32** mm
- 416.140 **Adapter union AM 40** mm

Adapter union AM from ABS for pipe 25/32, 32/40 mm and 40/50 mm.



Saddle with thread 32 x 1/4"

- 410.44-1 **Saddle with thread 32 x 1/4"**

Adhesive bridge with external thread 32 x 1 / 4 " , for sticking to a 32 mm PVC pipe to produce a 1/4 " branch.



aqua divider

- 418.10 **aqua divider** 4 pcs.

With **aqua divider** it is possible to mount a glass sheet into an aquarium or terrarium without using any glue. The groove is holding a 4 mm glass sheet. The fastening is done by the rubber suckers. With **aqua divider** you can separate animals inside of the aquarium.



Outlet strainer

- 418.20 **Outlet strainer 20** mm, length app. 160 mm
- 418.25 **Outlet strainer 25** mm, length app. 160 mm
- 418.32 **Outlet strainer 32** mm, length app. 200 mm
- 418.40 **Outlet strainer 40** mm, length app. 200 mm
- 418.50 **Outlet strainer 50** mm, length app. 240 mm
- 418.63 **Outlet strainer 63** mm, length app. 240 mm

Outlet strainers are manufactured out of ABS pipe and have slits to prevent coarse detritus passing through. Available in the following diameter pipe sizes: 20 mm, 25 mm, 32 mm, 40 mm, 50 mm, 63 mm



Reducing T-piece

- 410.41 **Reducing T-piece 9/12 - 4/6**
- 410.40 **Reducing T-piece 12/16 - 4/6**
- 410.42 **Reducing T-piece 16/22 - 4/6**

Reducing T-pieces are used for the connection of bypass filters like the **Nitra-tereductor** and the **Calciumreactor**.

Item code	Item
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aqua tools



- 411.40 **valve** 4 - 6 mm
- 411.41 **valve** 8 - 9 mm
- 411.42 **valve** 12 - 14 mm
- 411.43 **valve** 16 - 18 mm
- 411.44 **valve** 20 - 22 mm

The regulation valve can be used for both air and water. High quality plastic ensures a long service life.
2 pcs. per package

410.44 **Regulation valve FBS**



High quality **regulation valve** for hose inlet diameter in 4/6 mm and 6/8 mm - outlet diameter 4/6 mm. Connection fittings can be changed. Durable materials ensure low wear for constant adjustment. The **regulation valve** can be used for air and for water (e. g. Nitratereducator and Calciumreactor).

410.47 **Regulation valve 4/6 mm 2 pcs.**



Regulation valve for tube diameter of 4/6 mm. The **regulation valve** can be used for both air and water (Nitratereducator and Calciumreactor). High quality plastic ensures a long service life. The flow can be easily adjusted by the fine thread.
In an attractive blister pack.

410.43 **Non-return valve 4/6 mm 2 pcs.**



Check valve for a tube of 6 mm. Suitable for gas and water.
In an attractive blister pack

Fish Box

- 402.11 **Fish Box small** without handle PC, app. 12 x 16.5 x 17.5 cm
- 402.16 **Fish Box small** with handle PC, app. 12 x 16.5 x 17.5 cm

Plastic tanks made from Polycarbonate for fish transport & professional fish holding units
Tanks do have inbuilt inlet and outlet ports and can easily be combined to form large holding systems. Every box can be removed from circulation. The **Fish Box** can also be used for transportation of single fishes. In laboratories it can be used for breeding and holding laboratory fish such as zebra fish (Danio rerio). The boxes can be autoclaved at 120° C.





Süßwasser
Freshwater
Eau Douce

AQUA MEDIC

2017

Stand
Valid From 07/2017
Valable au

Item code	Item
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Aquaria

- 590.050 **Formosa 50** incl. **Qube 50 plant**
- 590.051 **Formosa 50 w/o lighting**

Update

Freshwater aquarium incl. stainless steel pot filter
 - Aquarium constructed from optically prime white glass.
 - Incl. stainless steel pot filter **aquafresh 50**, prefilter chamber in the aquarium for putting up biological and mechanical filters (e. g. **Denigran, antiphos FE, carbolit**) or similar.
 - Inlet and outlet piping are concealed behind black glass for uninterrupted viewing.
 - Cabinet, white, incl. softclose door system, for storing the pot filter as well as any additional aquaria equipment.

Options:
 - Illumination: we recommend **Qube 50 plant** with max. 50 watts, in conjunction with a special holder designed to secure the light for optimal illumination. Dimensions (l x w x h): app. 50 x 60 x 150 cm, water level app. 45 cm, volume app. 135 l

LED	daylight white	8.000 K	10 pcs.
	warm white	3.000 K	4 pcs.
	red	660 nm	2 pcs.
	green	520 nm	1 pcs.
	royal blue	450 nm	6 pcs.
	blue	420 nm	1 pcs.

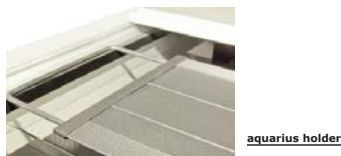
There is a lense with 90° scattering angle installed.



**Water Volume calculated before gravel or decoration.
 Aquariums can be produced with alternative lighting, please inquire.**

Accessories Aquaria

- 87706 **aquarius holder** / pair
- New** Mounting bracket for **aquarius** LED-leight



- 418.12 **hopstop**
- Hop protection for open top aquaria.
 Helps prevent nocturnal fish from jumping out.
 Content: 6 holders (**combfix**) and 3 plastic plates each app. 480 x 50 mm.



- 511.10 **fishknob Angel** / pair
- 511.11 **fishknob Discus** / pair
- 511.12 **fishknob Seahorse** / pair

Attractive door-knobs



Special Nutrition

- 342.001 **aquabiovit** 100 ml
- 342.002 **aquabiovit** 250 ml

Vital vitamins for fish and invertebrates
aquabiovit is a multi vitamin compound for use in fresh and salt water. Its formulation is suited to both, fish and invertebrates. Its regular use enhances growth, strengthens the immune system and increases the willingness to spawn.



Item code Item

Plankton

35020 **aquabreed complete**



aquabreed complete

Artemia cultivation unit

A cultivation unit for hatching larger quantities of artemia cysts. The unit can be installed inside or outside of the aquarium if positioned in a warm environment. The hatch time depends on the ambient temperature. Capacity app. 2,000,000 cysts per hatch. After about 2 weeks, the animals are fully grown and can be used as food. The unit may also be used for the breeding of artemia.

A stable wall holder and a pump for ventilation are included. A drain valve with a large diameter prevents clogging during emptying. The optimal installed outlet valve allows a measured removal of hatched artemia whilst the shells remain in the culture unit. The push to open lid makes filling the hatchery easier.

Contents: **aquabreed complete** reactor (app. volume 1 litre), support plate. Ø app. 8 cm (app. 3.24"). Length: app. 52 cm (app. 17"). Hose connection: 6 mm (app. 1/4"), air pump **Mistral 50 ECO**

35005 **plankton reactor**

Zooplankton cultivation unit

Many species of salt- and freshwater zooplankton can be cultivated in the **plankton reactor**. The zooplankton is fed with micro-algae from the **plankton light reactor**. The zooplankton has great growth potential: under optimal algal nutrition the number of rotifers (Brachionus) may double over four days. Brachionus is the ideal food for raising many marine fish larvae and invertebrates in the saltwater aquarium.

Contents: **plankton reactor** app. volume 2.5 litre (app. 0.65 gal), wall bracket and connections for air pump. Ø 8 cm (app. 3.2"). Length: 80 cm (app. 32"). Hose connection: 6 mm (app. 1/4")



plankton reactor



plankton light reactor

35000 **plankton light reactor**

Phytoplankton (Micro-algae) cultivation unit

The **plankton light reactor** is a simple system for producing plankton in a natural food chain. Within the **plankton light reactor**, micro-algae are produced with light, fertiliser and CO₂. The micro-algae can be fed directly to many filter-feeding invertebrates especially to zooplankton. The growth rate of the micro-algae in the **plankton light reactor** is enormous. If the supply of light, CO₂ and nutrients is continuous, the biomass of the algae may increase four-fold within 24 hours. Both fresh- and saltwater species of phytoplankton can be cultivated.

Contents: **plankton light reactor** app. volume 2.5 l (app. 0.65 gal), wall bracket, connections for air pump, lighting unit with fluorescent lamp (18 W), special reflector and fixing clamps. Ø app. 8 cm (app. 3.2"). Length: app. 80 cm (app. 32"). Hose connection: 6 mm, (app. 1/4")

Algal resources

- 421.001 **antigreen** 100 ml
- 421.002 **antigreen** 250 ml
- 421.010 **antigreen** 1000 ml
- 421.050 **antigreen** 5000 ml

Controls algae in fresh water aquaria

antigreen will control blue-green and filamentous green algae in fresh water aquaria. It decomposes harmlessly leaving no residues. When used in accordance with the instructions, it will also stimulate plant growth.



microscope

65940 **microscope**

Pocket microscope with illumination

For the identification of algae and microorganisms. 60x - 100x zoom function. Incl. holder for microscope slides.

Item code

Item

Fresh Water Supplements



- 350.101 **REEF LIFE OptiClean** 100 ml
- 350.102 **REEF LIFE OptiClean** 250 ml
- 350.110 **REEF LIFE OptiClean** 1000 ml

Liquid filter medium applicable for salt and fresh water aquaria - the quick troubleshooter

OptiClean contains effective activated micro particles from highly pure Clinoptilolite, a natural mineral. Contaminants such as heavy metals and pesticides attach to that mineral and then they can be removed with a fine filter from the water. In the salt water aquarium, they are also removed with the skimmer. The result is extremely clear and low-pollution water. The animals feel again well.



- 123.001 **aqua + GH** 250 g can

Increases the total hardness of aquarium water

aqua + GH increases the total hardness in freshwater aquariums. In connection with **aqua + KH** you can produce from reverse osmosis water or too soft water suitable water for fishes and plants.



- 123.101 **aqua + KH** 300 g can

Increases the carbonate hardness of aquarium water

Through a correct adjusted carbonate hardness you could avoid harmful pH up- and downturns. By using **aqua + KH** the pH level could be stabilized and the carbonate hardness could be increased. In combination with **aqua + GH** you can produce from reverse osmosis water fish and plant suitable water.



- 120.001 **aqualife + vitamins** 100 ml
- 120.002 **aqualife + vitamins** 250 ml
- 120.010 **aqualife + vitamins** 1000 ml
- 120.050 **aqualife + vitamins** 5000 ml

High effective water treatment preparation for freshwater aquariums

Tap water often contains heavy metal and chlorine that harms the fishes, it causes diseases and symptoms of poisoning. **aqualife + vitamins** contains suitable chelates and reducer that binds the harmful substances respectively transfers it in harmless compounds. Special protective colloids that have been approved since many years, strengthens the protective function of the mucosa and keep the sensitive crawl/ intestinal tract of the animals from damages. Useful vitamins improve the body's defences of the fishes and enhance their well-being.



- 121.001 **ferreal + spureal** 100 ml
- 121.002 **ferreal + spureal** 250 ml
- 121.010 **ferreal + spureal** 1000 ml
- 121.050 **ferreal + spureal** 5000 ml

Intensive iron fertilizer for freshwater aquariums

ferreal + spureal is a combination compound. It contains beside iron more essential micro elements such as manganese, molybdenum, boron, zinc and cobalt. **ferreal + spureal** prevents with continuous application reduced growth, the yellowing of the leaves and strengthens the plants. The colours of the plants become an intensive glow.

Item code

Item

Fresh Water Supplements



- 122.001 **floreal + iod** 100 ml
- 122.002 **floreal + iod** 250 ml
- 122.010 **floreal + iod** 1000 ml
- 122.050 **floreal + iod** 5000 ml

High effective compound fertilizer for freshwater aquariums

floreal + iod is an indispensable instrument to **ferreal + spureal**, that adjust the mineral balance of the plants and beyond supplies them with iodine and fluorine. Through this the growth of the plants will be increased. Furthermore iodine increases the vitality and the willingness to spawn of the fish. The contained iodine will be released slowly over several days whereby it is continued available.



- 21135 **aquapHloor** 3,5 kg - Soil

New

Nutritious substrate, decreases the pH value

aquapHloor substrate is especially suitable for plant aquaria and shrimp tanks. It is not suitable for aquaria with strong digging inhabitants. **aquapHloor** has pH-decreasing and stabilizing features that are preferred by many plants and animals from the soft water areas of the world. The substrate doesn't need to be washed before putting it into the aquarium. If the water is cloudy then, it will be clear again soon. It's a nutritious substrate, ensuring strong plant growth. The shape of granules with a grain size of 2-3 mm ensures good oxygen supply of the plant roots and also serves as a settlement substrate for vital bacteria.



Item code	Item
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Pumps - Air pumps

- 101.005 **Mistral 50 ECO**
- 101.020 **Mistral 200**
- 101.030 **Mistral 300**
- 101.200 **Mistral 2000**
- 101.400 **Mistral 4000**



Mistral 50 ECO



Mistral 200



Mistral 300



Mistral 4000

Diaphragm air pump

This family of powerful diaphragm air pumps has a cast aluminium housing (plastic at **Mistral 50 ECO**) to ensure long life and silent operation. The output of the **Mistral 300** is adjustable with a slide control which alters the magnetic circuit. All units have integrated replaceable air filters and are of low maintenance design. They are ideally suited to supplying air lift filters (under-gravel and box), air stones and protein skimmers using either ceramic or wooden air diffusers.

Type:	Mistral 50 ECO	Mistral 200	Mistral 300
Power requirements:	220 V, 50/60 Hz	220 – 240 V~/50 Hz	
Power uptake:	1,8 watts	4 watts	8 watts
Maximum capacity:	78 l/h (19.5 gph)	300 l/h (75 gph)	380 l/h (95 gph)
Capacity at 1 m (3 ft) depth (100 mbar, 1.45 psi):	50 l/h (12.5 gph)	200 l/h (50 gph)	300 l/h (75 gph)
Maximum pressure:	120 mbar (1.73 psi)	250 mbar (3.6 psi)	470 mbar (6.8 psi)
Connection pressure side:	air tube 4/6 mm (1/4")		
Max. dB/At a distance of 1 metre	35	40	48
Cable length in m:	1.4	3	
Weight:	0,23 kg (app. 0,53 lbs)	1.36 kg (app. 3.1 lbs)	1.75 kg (app. 3.7 lbs)
Housing:	plastic	cast aluminium	
Dimensions in cm (l x w x h), app.:	8.8 x 6.0 x 5.3	17.5 x 7.5 x 9.5	19 x 8.5 x 10

Type:	Mistral 2000	Mistral 4000
Power requirements:	220 – 240 V~/50 Hz	
Power uptake:	25 watts	35 watts
Maximum capacity:	2,500 l/h (625 gph)	4,000 l/h (1,000 gph)
Capacity at 1 m (3 ft) depth (100 mbar, 1.45 psi):	1,600 l/h (400 gph)	2,900 l/h (750 gph)
Maximum pressure:	>300 mbar, 4.35 psi	
Connection pressure side:	air tube 12 mm (1/2")	
Max. dB/At a distance of 1 metre	41	46
Cable length in m:	3	
Weight:	3.5 kg (7.8 lbs)	5.6 kg (12.4 lbs)
Housing:	cast aluminium	
Dimensions in cm (l x w x h), app.:	17.5 x 16 x 13	19.5 x 18 x 15

Item code

Item

Filter systems

500.35 **aquafresh 50**



aquafresh 50



The smart external filter made from stainless steel (incl. 24 V pump) is suitable for aquaria up to 150 liters and can be installed visibly in the open cabinet. The design is a classic form of a pot filter made of robust stainless steel. Dimensions: app. 270 mm high, app. Ø 125 mm

590.000 **flow kit**



flow kit

Stainless steel connection set for external filter (suction and pressure side) The set consists of a stainless steel tube with suction basket and variable surface skimming for water drainage as well as a stainless steel pressure pipe for water supply. The pipes are manufactured with a 3.2 cm - 3.5 cm gap to allow installation on many different styles of aquarium, even those with internal glass bracing. High quality materials guaranteeing a long service life. Supplied with two suction cups for each tube for easy installation.

Suction side: Ø 13 mm for hose of 12/16 mm
Length of the external tube: 21 cm
Length of the internal tube: 19 cm
Internal distance: 3.5 cm

Pressure side: Ø 13 mm for hose of 12/16 mm
Length of the external tube: 21 cm
Length of the internal tube: 10 cm
Internal distance: 3.2 cm

Pictures with UV Helix Max



Malawi Station

500.015 **Malawi Station**

Filter system for fresh and saltwater aquaria up to 1,500 litres The **Malawi Station** filter system comprises the following components: closed glass filter sump with sliding doors and removable cover, twin filter towers including drawer and biofilter, filled with **BactoBalls**, **ECO Runner 3500** circulation pump. This filter is the perfect unit for high loaded freshwater aquaria, e. g. cichlids. However, it can be used for saltwater as well, if combined with an external protein skimmer. Pipework connections to the aquarium (left hand side): 32 mm flow, return 40 mm. This system is ready for the connection of a **Helix Max** 18 Watt UV sterilizer as well as the top up system **Refill System pro**. Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h) **Different DC Runner are available upon request.**

Optional - filter features:
80818 **Helix Max** 18 Watt
502.76 **Refill System pro**

Item code	Item
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Filter components



multi reactor S



multi reactor M



multi reactor L

- 410.930 **multi reactor S**
- 410.940 **multi reactor M**
- 410.950 **multi reactor L**

All-In-One filter system

- For use in the aquarium or sump filter
- Highly efficient filtration due to high flow through your chosen filter media
- Adjustable water flow
- High-quality, precision made using quality acrylic
- Very simple maintenance due to removable filling tube, the filter housing can remain in the aquarium for refilling and maintenance
- Space-saving installation in the aquarium or sump filter with internal pump.
- Low maintenance double O-ring seal.
- Universal application by using various filter media such as activated carbon (**carbolit**), phosphate absorber (**antiphos FE**), zeolithes, fine filter, etc. (filter media not included)
- Incl. pump and flexibly adjustable mounting system

multi reactor	S	M	L
Dimensions (l x w x h), app.	60 x 50 x 315 mm	80 x 60 x 380 mm	100 x 100 x 465 mm
Filling quantity	app. 150 ml	app. 350 ml	app. 650 ml
Voltage	220 - 240 V/50 - 60 Hz		
Total power consumption	12 V/app. 4 watts	12 V/app. 8 watts	12 V/app. 14 watts
Pump power	app. 200 l/h	app. 350 l/h	app. 450 l/h
For aquaria	up to 350 l	up to 500 l	up to 800 l



phosphatfilter Fe

65024 **phosphatfilter Fe**

Bypass filter for the elimination of phosphate

The **phosphatfilter Fe** is a compact chemical filtration chamber for aquarium use. It can be installed in line with any standard canister filter, or fed via a separate pump. The **phosphatfilter Fe** contains 400 ml of **antiphos Fe**. This reduces the level of phosphate and thereby curtails the growth of filamentous algae. Depending on the phosphate level, one filling of antiphos may be sufficient for an aquarium up to 600 litres (app. 150 gallons) for between 3 - 6 months. The **phosphatfilter Fe** can be used for fresh- and saltwater aquaria. Ø app. 8 cm (app. 3.2"), length app. 24 cm (app. 9.45"), hose connection: 12 and 16 mm

Item code

Item

Filter material



filter bag

- 429.01 **filter bag 1**, 2 pcs., 22 x 15 cm (app. 8.6" x 5.9")
- 429.02 **filter bag 2**, 2 pcs., 22 x 30 cm (app. 8.6" x 11.8")
- 429.03 **filter bag 3**, 2 pcs., 22 x 45 cm (app. 8.6" x 17.7")

Zip up media bag

Filter bags are designed to contain fine filter media, such as activated carbon, **antiphos Fe** or other granular media. The **filter bag** is fitted with a zip fastener for quick and easy replacement of the media.

- 11650 **antiphos Fe** 300 g/app. 500 ml
- 12650 **antiphos Fe** 600 g/app. 1000 ml
- 12653 **antiphos Fe** 3000 g/app. 5000 ml



For the control of algal growth

Phosphate and silicate remover for freshwater and saltwater aquariums. **antiphos Fe** is an ideal medium for selectively extracting phosphate and silicate from aquarium water, thus counteracting unwanted algal growth. **antiphos Fe** is a highly active iron based product containing no aluminium and is completely non toxic to aquarium plants and animals. The binding capacity of **antiphos Fe** is app. 10 g phosphate/kg. Subject to the conditions 500 ml of **antiphos Fe** will treat a normally populated 300 l aquarium for app. 3 – 6 months.

- 11512 **carbolit** 500 g/1.25 l,
1.5 mm Pellets (app. 1.1 lbs/125 gal)
- 12513 **carbolit** 400 g/1.25 l,
4 mm Pellets (app. 0.9 lbs/100 gal)
- 11517 **carbolit** 5 l/3.5 kg,
1.5 mm Pellets (app. 7.7 lbs/1 gal)
- 12517 **carbolit** 5 l/3 kg,
4 mm Pellets (app. 6.6 lbs/1 gallons)
- 11516 **carbolit** 25 kg/62.5 l,
1.5 mm Pellets (app. 55 lbs)
- 12516 **carbolit** 25 kg/62.5 l,
4 mm Pellets (app. 55 lbs)



For the removal of toxins and colours

Activated carbon pellets for fresh- and saltwater aquaria. **carbolit** comprises of highly efficient activated carbon pellets. **carbolit** quickly clears aquarium water and removes colouring substances, turbidity and medication residues. Yellowing substances such as phenols and tannins that can accumulate in the water are also removed. **carbolit** may also be used as a long-term filter material.

- 13001 **Zeolith** 900 g 10 - 25 mm/1 l can
- 13003 **Zeolith** 6 kg 10 - 25 mm/5 l bucket
- 13006 **Zeolith** 25 kg 10 - 25 mm/bag



For use in salt and freshwater aquaria and ponds
Natural zeolite rock with a highly porous surface.

- 410.80 **BactoBalls** 25 l box (app. 6.25 gal)
- 410.81 **BactoBalls** 5 l bucket (app. 1.3 gal)
- 410.82 **BactoBalls** 15 l bucket (app. 3.75 gal)



BactoBalls

Biological filter media

BactoBalls are the optimum filter medium for biological filters. They can be used in trickle filters and denitrification reactors and in larger aquaculture systems. The large surface area of 300 m²/m³ allows a high concentration of active bacterial biomass.

Item code

Item

Filter material

411.76 **Denigran** 4 x 50 g



Supports the natural decomposition of nitrate in salt & fresh water aquaria, also helps clear algae problems

Denigran is a type of granular media made of special plastic material to enhance the settlement of nitrate removing bacteria. The main nutrient, nitrate is removed from the algae without any chemical additives; additional feeding of the bacteria is not required. The optimal designed mesh bag gives the best possible water flow past the media. Depending on the population, **Denigran** will be effective for up to 12 months.

Content: 4 mesh bags of 50 g each

Application: 1-2 bags per 50 liters of aquarium water

410.78 **Deniballs** 0,8 l (app. 0.2 gal)

410.78-1 **Deniballs** 5 l bucket



A filter material and bacteria feed for the Nitratereductor

Deniballs are manufactured from a unique biologically based plastic. One to three packages of 0.8 litres (app. 0.2 gal) each is enough to supply the Nitratereductor as the sole food source for 12 months. For the Nitratereductor **NR 5000**, about 5 litres (1.3 gal) are required. Changing the **Deniballs** after approximately 12 months is recommended to ensure safe and maintenance free denitrification in fresh- and saltwater aquaria.

411.78 **Mini-Deniballs** 0,5 l



A filter material and bacteria feed for the Nitratereductor

Mini-Deniballs are manufactured from an unique biologically based plastic. One package of 0.5 litres (app. 0.2 gal) is enough to supply a Nitratereductor as the sole food source for 12 months. Changing the **Mini-Deniballs** after approximately 12 months is recommended to ensure safe and maintenance free denitrification in fresh- and saltwater aquaria.

410.76-1 **denimar** 150 g



Nutrient powder for the **Nitratereductor**

The bacteria within an anaerobic biofilter need organic nutrients as their energy source to remove nitrate. If **denimar** is dosed daily, high nitrate removal rates can be achieved in the **Nitratereductor**. **denimar** is suited for salt- and fresh-water aquaria. It contains no fertilizers and does not foster the growth of algae.

12411 **biobacter**



bacteria culture for improving nitrification and de-nitrification in aquaria

biobacter is a compound containing freeze-dried living bacteria. It is used to start new biological filters, revitalise filters after using medication, and to improve nitrification in existing aquaria. **biobacter** comprises a glass vial of bacteria and bacteria feed. 1 carton for 250 litres (app. 60 gallons).

Item code

Item

UV-C sterilizer



- 80805 **Helix Max 5 W**
- 80809 **Helix Max 9 W**
- 80811 **Helix Max 11 W**
- 80818 **Helix Max 18 W**
- 80836 **Helix Max 36 W**
- 80855 **Helix Max 55 W**

Water clarifier for fresh- and saltwater aquariums and garden ponds.

Helix Max UV sterilizers can eliminate single cell algae giving crystal clear water in aquariums and ponds. The water is directed in a spiral path around the quartz tube resulting in more efficient use of the UV radiation than in standard units. The inlet and outlet fittings can be rotated through 360° for easy mounting at any angle. All **Helix Max** with a rubber cable and high frequency electronic ballast, for garden ponds, salt- and freshwater aquariums. The electronic ballasts increase the lifetime and the efficacy of the UV lamps.

Type	5 Watt	9 Watt	11 Watt	18 Watt	36 Watt	55 Watt
Salt water aquarium	25 – 125 l	125 – 250 l	150 – 350 l	250 – 500 l	500 – 1,000 l	up to 1,500 l
Recommended max. flow	100 l/h	200 l/h	300 l/h	500 l/h	1,000 l/h	1,500 l/h
Fresh water aquarium	50 – 250 l	250 – 500 l	350 – 750 l	500 – 1,000 l	1,000 – 2,000 l	up to 3,000 l
Recommended max. flow	200 l/h	500 l/h	700 l/h	1,000 l/h	2,000 l/h	3,000 l/h
Capacity	1.8 W/UVC	2.4 W/UVC	3.6 W/UVC	5.5 W/UVC	12 W/UVC	17 W/UVC
Cable length	2 m	2 m	2 m	10 m	10 m	10 m
Lamp type	PL-S-5 Watt	PL-S-9 Watt	PL-S-11 Watt	PL-L-18 Watt	PL-L-36 Watt	PL-L-55 Watt
Max. pressure	0,3 bar					
Power connection	230 V~/50 Hz					
Dimensions l x w in mm, app.	160 x 75	240 x 75	290 x 75	380 x 120	510 x 120	650 x 120



Helix Max 18 W

Spare bulbs for Helix Max:

- 80805-8 **UVC-Max 5 W**
- 80809-8 **UVC-Max 9 W**
- 80811-8 **UVC-Max 11 W**
- 80818-8 **UVC-Max 18 W**
- 80836-8 **UVC-Max 36 W**
- 80855-8 **UVC-Max 55 W**



UVC-Max

Item code	Item
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Light - LED

Available from summer 2017.

87812
87813
87814

aquarius plant 60
aquarius plant 90
aquarius plant 120

New

LED aquarium light for fresh water aquaria

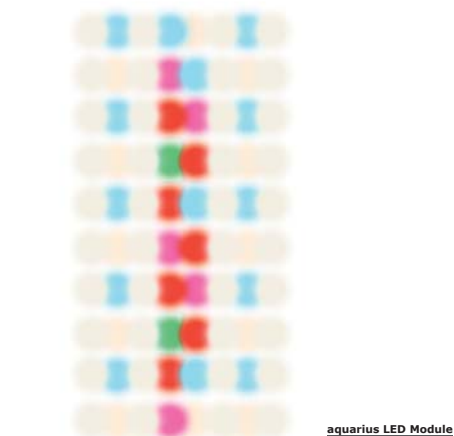
The **aquarius plant** light is made of high quality aluminium in a slim design which offers even illumination of your aquarium. The compilation of the six individual light colours can be specifically adjusted to the needs of fresh water aquaria. The light has preparation for connecting a 6-channel controller which makes individual adjustment of light colour, light intensity and light settings possible.

Equipment:

- LED light with 6 colours
- Prepared for connecting a 6-channel controller
- Anodized housing made of aluminum for cooling passively (no fans)
- For safety 24 V with external transformer (100 - 240 V/50 - 60 Hz)
- Adjustable holder for fixing onto the aquarium

Optional:

- **aquafit 2** steel wire suspension
- **aquarius control**
- **Y-Kabel**
- **aquarius holder**



aquarius plant	60	90	120
Total consumption max./W	65	95	128
Total Lumen app./lm	3410	5120	6820
Dimensions (l x w x h) app./mm	580 x 210 x 25	840 x 210 x 25	1100 x 210 x 25
For aquarium with length app./mm	600 - 900	850 - 1100	1150 - 1350
Light colours - Colour temperature	daylight white 6000 - 6500 K warm white 450 - 455 nm blue 460 - 470 nm ruby red 620 - 630 nm red 640 - 660 nm green 520 - 530 nm		

87700

aquarius control

New

6-channel controller for **aquarius plant**

- Six independently programmable / dimmable channels, e. g. for sunrise, sunset and moonlight.
- Optional **Y-cable** is available meaning several **aquarius plant** lights can be controlled simultaneously.
- Programming is done via the **aquarius control** timer interface. It's not necessary to connect it to the computer.
- Power (24 V low voltage) is supplied via the **aquarius plant** connection on the light fixture itself, no additional power supply is required.

Dimensions (l x w x h): app. 110 x 60 x 25 mm
Cable length: app. 1,800 mm



Item code

Item

Light - LED

83217050 **Qube 50 plant**

New

High Power LED-Spot light for freshwater aquaria

- LED Cluster chip consisting of 24 individual LED elements with balanced light spectrum
- High energy density specially designed for strong growth (PAR=1.410 $\mu\text{mol m}^{-2}\text{s}^{-1}$).
- Colour and light intensity are adjustable manually via 2 channels.
- Integrated 0 - 10 V connection for using external controllers.
- The compact design allows for an ideal illumination of nano aquaria as well as dark edge areas in larger aquaria.
- Silent-running internal fan for reliable cooling of high-power LED-chips.
- A flexible goose neck ensures a firm hold and easy alignment, a wire suspension system for mounting on the ceiling is included.



Qube 50 plant

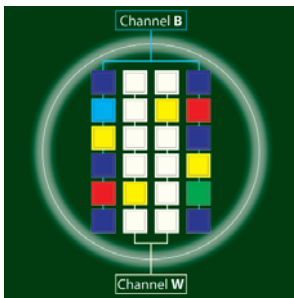


LED	daylight white	8.000 K	10 pcs.
	warm white	3.000 K	4 pcs.
	red	660 nm	2 pcs.
	green	520 nm	1 pcs.
	royal blue	450 nm	6 pcs.
	blue	420 nm	1 pcs.

There is a lense with 90° scattering angle installed.

Technical data:

Dimensions (housing)	app. 80 x 80 x 65 mm
Weight incl. holder	app. 725 g
Number of light channels	2
Number of light colours	6
Illuminated area max.	app. 500 x 500 mm
Total lumen	1364lm
Total consumption	50 watts max.
Power supply transformer	100 - 240 V/50 - 60 Hz
Power supply light	24 V



83216000 **Qube control**

New

2-channel light control for Qube

- Two independently programmable / dimmable channels for blue phase, sunrise, sunset and moonlight.
- By using a connecting cable (included in shipment) several Qubes can be connected in series to be controlled simultaneously.
- Programming is completed via the supplied remote control from the **Qube control** by timer. No connection to the PC is therefore necessary.
- Power (24 V low voltage) is supplied via the Qube lights power pack, no additional power supply is required.
- Can be used with all 0 - 10 volt control lamps. (If necessary, separate power supply required)

Dimensions (l x w x h): app. 74 x 74 x 15 mm

Cable length: app. 1,400 mm



Item code

Item

Light - T5



T5 reflector



81909 **Ocean White power compact 24 W**

Blue-white power compact lamp with a colour temperature of 10000 K. For freshwater and marine aquarium.

- 83221 **T5 reflector 24 W** incl. clip, length app. 51,1 cm
- 83231 **T5 reflector 39 W** incl. clip, length app. 81,1 cm
- 83251 **T5 reflector 54 W** incl. clip, length app. 109,5 cm
- 83281 **T5 reflector 80 W** incl. clip, length app. 140,5 cm
- 83220 Clip for reflector **T5** (stainless steel)

T5 tubes, 16 mm Ø, FQ-Serie/ minimum order 10 pcs. per wattage

- 88720 **aqualine T5 Reef White 10K 24 W** 55 cm (app. 22")
A* 26 kWh/1.000 h
- 88721 **aqualine T5 Reef White 10K 39 W** 85 cm (app. 34")
A* 44 kWh/1.000 h
- 88722 **aqualine T5 Reef White 10K 54 W** 115 cm (app. 46")
A* 60 kWh/1.000 h
- 88723 **aqualine T5 Reef White 10K 80 W** 145 cm (app. 58")
A* 85 kWh/1.000 h
*Power efficiency category

aqualine T5 Reef White 10K is a bright white lamp with a colour temperature of 10000 K
The lamp simulates tropical sunlight and is the ideal basic illumination for marine as well as freshwater aquaria. For saltwater aquariums, we recommend combining **aqualine T5 Reef White 10K** with **aqualine T5 Reef Blue** to increase the blue spectrum whilst for freshwater the combination of **aqualine T5 Reef White 10K** with **aqualine T5 Plant Grow** will enhance plant growth.

- 88730 **aqualine T5 Plant Grow 24 W** 55 cm (app. 22")
B* 26 kWh/1.000 h
- 88731 **aqualine T5 Plant Grow 39 W** 85 cm (app. 34")
B* 44 kWh/1.000 h
- 88732 **aqualine T5 Plant Grow 54 W** 115 cm (app. 46")
B* 60 kWh/1.000 h
- 88733 **aqualine T5 Plant Grow 80 W** 145 cm (app. 58")
B* 85 kWh/1.000 h
*Power efficiency category

aqualine T5 Plant Grow is a growth lamp for plants in freshwater aquariums
The lamp accentuates the red and blue parts of the spectrum and comes close to the absorption spectrum of water plants. These wave lengths stimulate photosynthesis and so create excellent condition for luxuriant plant growth. In addition the colours become more vibrant in any fish with red pigmentation (e.g. Cardinal tetra). Combined with **aqualine T5 Reef White 10K, Plant Grow** gives the aquarium a brilliant natural appearance.

Light - Metal halide

- 81912 **aqualine 5000 150 W 5K**
- 81913 **aqualine 5000 250 W 5K**

Daylight metal halide lamp for freshwater aquaria
aqualine 5000 is a metal halide lamp with a colour temperature of 5000° Kelvin – attenuated sunlight. This lamp was specially developed for the illumination of freshwater aquaria with its a high percentage of red light and a high intensity – 11000 lumens per watt. It gives planted aquaria a natural appearance and enhances plant growth.

Item code

Item

Measurement and control technology

200.30 **heat controller duo**



heat controller duo

The temperature controller **heat controller duo** is used for controlling heaters and under gravel heating systems at the same time. Measuring and switching accuracy is 0.1 °C. The control range varies from 0 – 50 °C, the set value is in 0.1 °C increments and is controlled exactly to 1 °C. The maximum load for the heating systems and under gravel heater is 1,200 watts. Because of the integrated double socket it is possible to connect a heater and an under gravel heating system simultaneously. The **heat controller duo** is supplied with a temperature probe attached. The LCD display provides instant information on the current temperature, time and state of the connected units. The heating cable is controlled by a timer, the on/off time can be programmed. If the set value is not reached, the under gravel heater is switched on. To avoid overheating, both sockets switch off as soon as the set value is reached.



Titanium Heater

- 110.010 **Titanium heater 100 W** for aquaria up 100 - 250 l, length: app. 27 cm (app. 10.6")
- 110.020 **Titanium heater 200 W** for aquaria up 250 - 500 l, length: app. 28 cm (app. 11")
- 110.030 **Titanium heater 300 W** for aquaria up 500 - 1,000 l, length: app. 30 cm (app. 11.8")
- 110.050 **Titanium heater 500 W** for aquaria up 1,000 - 1,500 l, length: app. 32 cm (app. 12.6")

Titan Aquarium Heater

Titanium heaters are the safe alternative to glass heaters in both fresh- and salt water aquaria. The unbreakable titanium housing is saltwater resistant and the heaters have both overheat and dry running protection cutouts. The heaters must be used in combination with a temperature controller. For temperature-dependent control we recommend optional the use of our **T controller twin**. Ø 20 mm

200.00 **pH controller** without probe



pH monitor and controller

The **pH controller** is a precision instrument for controlling the pH value in aquaria. In combination with a CO₂ system and a solenoid valve the pH can be maintained at a constant level, and the CO₂ supply to aquatic plants or into a calciumreactor can be controlled. The unit is supplied with a large LED display and the control range is digitally adjustable from pH 3.5 to 10.5. **The direction of adjustment can be set up or down.** The **pH controller** has a BNC connection for pH electrodes.

The use of an original Aqua Medic **plastic shafted electrode** is recommended.

203.20 **T-meter**



Submersible digital thermometer incl. rubber sucker and battery.

203.10 **T-meter twin**



T-meter twin

External double-display Thermometer

Large double LCD display simultaneously showing aquarium & ambient temperature. Selectable temperature unit: °C or °F. With adhesive tape at back side for easy putting on aquarium tank

- Ambient: -10 ~ +50 °C (-14~+122 °F)
- Aquarium: -50 ~ +70 °C (-58 ~ +158 °F)
- Resolution: 0.1 °C / 0.1 °F
- Accuracy: ±1 °C (2 °F)
- Power supply: 1.5 V (AG10)

Item code

Item

Measurement and control technology

201.00 **pH computer-Set**



pH computer-Set

Microprocessor controlled pH monitor and controller
 The **pH computer-Set** utilises a modern microprocessor, which provides high precision measurement and control. The **pH computer-Set** is used to control precise values of pH in the aquarium or the calciumreactor. The direction of control can be set upwards or downwards. The computer can switch up to 500 watts using the supplied external electrical socket. When the calibration key has been selected the unit will automatically calibrate itself to the electrode. A **plastic shafted pH electrode** with BNC fitting and the correct calibration fluids are included

220.10 **Plastic probe pH**

220.11 **Glass probe pH**

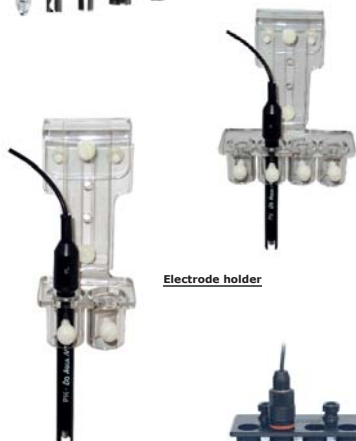


probes

Aqua Medic **pH-electrodes** are quality products designed for both accurate measurement and long, trouble free use. The electrodes are available in two versions: Standard electrodes - with plastic shaft, glass electrodes - laboratory standard for extended performance.

230.62 **Electrode holder 2**

230.64 **Electrode holder 4**



Electrode holder

For use with up to 2 or 4 electrodes, easily attaches to the aquarium. The level of submergence of the electrodes is fully adjustable.

230.00 **Electrode holder**



An **Electrode holder** is available as an option. It can hold up to four electrodes, and can be attached to the horizontal stress bars inside the aquarium, or directly over the edge of the aquarium glass.

230.004 **pH 4 test fluid 60 ml**

230.007 **pH 7 test fluid 60 ml**



test fluids

Electrode calibration fluids
 The accuracy of all electrodes is dependent upon their calibration. To ensure accurate readings, all electrodes need to be calibrated at regular intervals. To ensure that the fluid values used to calibrate the electrodes remain constant, regular replacement of these fluids should occur.

Item code

Item

Reverse osmosis



platinum line plus

U800.60 **platinum line plus**

New

Reverse osmosis unit incl. high pressure pump for producing up to 400 litres of purified water per day
 For the production of soft water with low-salt content for fresh and salt water aquaria, for spraying terrariums and many other applications.
 The reverse osmosis system **platinum line plus** is a compact and versatile superior unit. It is supplied with three large 10" filter housings. The filter cartridges (activated carbon, fine filter and demineralization resin) can easily be replaced. The supplied pressure gauge will display the operation pressure at any time. All components, the prefilter housings and the membrane module are mounted onto a stable powder-coated bracket. The unit has a high pressure pump and a flushing valve and therefore, can achieve a high ratio of pure to waste water output up to 1:1. The salt removal rate is up to 99 %. Due to the fully automatic back flushing and continuous monitoring of the pure water, the unit requires very little maintenance.

Dimensions (l x w x h): app. 38 x 22 x 47 cm
 Tube's diameter: 1/4"
 Filling capacity for resin: app. 600 ml



premium line 90/150



premium line 300

U800.25 **premium line 90**, 75 - 90 l/day

U800.30 **premium line 150**, 120 - 150 l/day

U800.35 **premium line 300**, 240 - 300 l/day

For producing 75 – 300 litres (app. 19 – 79 gal) of purified tap water per day
 The **premium line** reverse osmosis units are compact and versatile superior grade products. They are supplied with two large (10") prefilter housings and their activated carbon and 5µ sediment cartridges can easily be replaced. The membrane, the heart of the unit, is offered in 3 sizes: 90 l/day and 150 l/day as well as a double membrane of 300 l/day. The membrane housing includes a combined flushing valve and flow restrictor and the system can achieve a concentrate to permeate recovery ratio of 3 to 1 with a rejection rate of app. 95 %. The prefilter housings and the membrane module are mounted onto a strong powder coated wall mounting bracket.



easy line

U700.25 **easy line 90**, 75 - 90 l/day

U700.30 **easy line 150**, 120 - 150 l/day

For producing 75 - 150 litres of purified tap water per day (app. 23 - 40 gpd)
easy line 90 and **easy line 150** reverse osmosis units are compact and powerful. A sediment filter retains all particles larger than 5 µm and a carbon filter protects the membrane by removing chlorine. In our units, only TFC (Polyamide / Polysulfone) membranes are used to provide the highest quality treated water, providing a recovery ratio of approximately 3 - 4 concentrate : 1 permeate, and a rejection rate of app. 95 %.



Merlin plus (PRF-RO)

U600.71 **Merlin plus (PRF-RO)**

Reverse osmosis unit with a capacity of app. 2,000 l/day (app. 500 gpd)
 The **Merlin plus (PRF-RO)** reverse osmosis unit operates using just the mains pressure of the tap water (3 - 4 bar), without the need for a high pressure pump. It has 2 high flow membranes and a combined activated carbon/sediment prefilter. Salt rejection is app. 90 - 95 % and the recovery ratio (purewater:wastewater) is 3-4:1.
 We recommend using an **aquaniveau** level control with an **M-ventil 1/2"** to give automatic control of the unit.

Item code

Item

Accessories for reverse osmosis



Demineralisation filter

- U601.10 Demineralisation filter 10"
- U601.11 Demineralisation filter 600 g/app. 1000 ml can
- U601.12 Demineralisation filter 3000 g/app. 5000 ml bucket

Used to remove the last remaining pollutants using a special ion exchange resin, and is placed after the reverse osmosis unit. It reduces the growth of diatom, if silicate level of tap water is too high.



Activated carbon pre filter cartridge

- U605.60 Membrane 90 l / day
- U605.65 Membrane 150 l / day
- U605.80 Membrane 200 l / day for platinum line
- U605.01 Activated carbon prefilter w. fittings for easy line
- U605.06 Sediment 5 µm prefilter w. fittings for easy line
- U606.17 Sediment filter 5 µm 10" housing for premium line/platinum line plus
- U606.10 Combined filter cartridge carb./sed. 10" housing for premium line/platinum line plus
- U606.15 Activated carbon filter cartridge 10" housing for premium line



Sediment filter

- U630.00 PE-tube 4/6 mm / 1 m

Item code	Item
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CO₂



CO₂ Box

71600 **CO₂ Box**

For the constant supply of carbon dioxide to aquatic plants in the aquarium Complete set for aquaria up to 200 liters. The set consists of a 250 g aluminum CO₂ bottle (filling capacity: env. 250 g) including holder, pressure regulator with bottle pressure display and needle valve, CO₂ hose, diffuser with built-in bubble counter and non-return valve (**reactor compact**) and a CO₂ indicator for indicating the carbon dioxide level within the aquarium.



71620 **CO₂ cylinder ALU 250 g**

250 g CO₂-bottle made from aluminium. Filling capacity: app. 250 g/refillable



CO₂ cylinder ALU

71601 **cylinder base**

Holder for use with aluminium CO₂-bottle, Ø 60–80 mm.

cylinder base



station 2 kg

71413 **station 2 kg** (app. 4.4 lb.) with cage

CO₂ storage bottle **station** is a steel CO₂ storage bottle with an external shut off valve. The cylinder will be supplied with a safety cage and a base stand.



reactor compact

71630 **reactor compact**

CO₂-reactor with integrated non-return valve and bubble counter for aquaria up to 200 liters.



regular mini

71610 **regular mini**

Pressure regulator with bottle pressure display and needle valve to use with CO₂-bottles. Connecting thread W21,8 x 1/14".



CO₂ pipe

71614 **CO₂ pipe 4/6 mm - 5 m**

4/6 mm hose, 5 meter



pipe holder

71615 **pipe holder**

Holder for 6 mm CO₂-hose to fit onto glass of up to 10 mm in thickness.

Item code	Item
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CO₂



CO₂ indicator



bubble counter plus

71650 **bubble counter plus**
Bubble counter for use with CO₂-systems for the supply of water plants.

71640 **CO₂ indicator**
Indicator for showing the carbon dioxide content in fresh water aquaria. Incl. 10 ml **CO₂ indicator solution**.



CO₂ indicator solution

71641 **CO₂ indicator solution 10 ml**
Inject 1 ml of **CO₂ indicator solution** into **CO₂ indicator** directly. It is recommended to change **CO₂ indicator** once a month. Compare the color of the **CO₂ solution** with the included scala and determine the CO₂ content of your aquarium water.



reactor 100

71130 **reactor 100**
A passive **CO₂-reactor** for aquariums up to 250 litres (app. 62.5 gallons) **reactor 100** is operated without an additional pump. The CO₂ is forced through a ceramic diaphragm. This creates tiny bubbles that rise slowly in the water and dissolve on their way up.



reactor 1000

71113 **reactor 1000**
Closed CO₂-reactor for external use for aquaria up to 2,000 litres (app. 500 gallons) **reactor 1000** is a hermetically sealed unit for introducing CO₂ into larger aquariums. The universal mounting plate enables it to be mounted outside the aquarium or inside the cabinet. This powerful unit can supply aquaria up to 2,000 litres (app. 500 gallons) with CO₂. With 12/16 mm hose. Required pump power: 1,500 - 2,000 l/h. (app. 375 - 500 gal.) Total height: app. 37 cm (app. 15"); Ø app. 8 cm (app. 3")



reactor+

71710 **reactor+**
Motor-driven, highly efficient CO₂ reactor for use in planted aquaria up to 1,000 liters. Easy fitting within the aquarium with the supplied suction cups.



regular

71011 **regular** with 2 pressure gauges
Pressure regulator for precise control of CO₂ dosing into the aquarium **regular** is chrome plated and offers: a fixed working pressure of app. 1.5 bar, a needle valve for fine adjustment, two pressure gauges to show both the cylinder and working pressures. **regular** fits industry standard CO₂ cylinders having an external valve. Connecting thread W21,8 x 1/14".

U630.00 **PE-hose 4/6 mm, 1 m**

Item code

Item

CO₂



counter

71850 **counter**

CO₂-bubble counter incl. check valve
High-quality material allows longer operation life and a reliable operation. Bubble counter with combined check valve. The backflow is effectively prevented by the check valve. Suitable for hose connection 4/6 mm.



M-Ventil Standard

230.30 **M-ventil Standard**, nickel plated, 1/8", 2.5 watts

Electronic shut off valve for CO₂-Standard
M-ventil Standard has a high quality nickel plated brass body with a maximum operating pressure of 6 bar, pressure fittings for 6 mm flexible hose and can be connected to all our CO₂ units. The solenoid coil consumes only 2.5 watts of electrical energy to prevent overheating.



M-ventil 1/2"

230.35 **M-ventil 1/2"** for tap water, brass

Water shut off valve
M-ventil 1/2" for water is intended for automatic control of reverse osmosis units. The brass body has connections for 1/2" BSP male fittings and is recommended only for use with tap water. The power uptake is 6 watts.

Item code	Item
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aqua tools

501.80 **Fish trap**



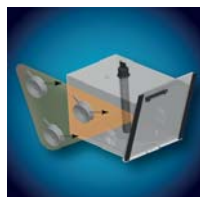
Trap for catching a particular fish in an aquarium
Aquariums can have many hiding places making catching an individual fish extremely difficult without being time consuming and stressful to both yourself and the aquarium inhabitants and can also cause damage to invertebrates when trying to use a net.

Fish trap is baited with some food and as soon as the desired fish has entered the trap the closing mechanism is simply released – by hand. The **Fish trap** is constructed in such a way that when it is removed from the aquarium with the fish inside it remains half full of water. This method considerably reduces the stress on the fish.

Incl. **rubber sucker twin**

The double sucker is made of a highly quality flexible material and is particularly suitable for fixing our **Fish trap** to the inside glass of an aquarium. We recommend using three double suckers to ensure safe fixing of the fish trap. By using this type of fixing, the fish trap does not have to be in contact with the base of the aquarium, making it easier to catch fish than was possible before.

Dimensions (l x w x h): app. 27.5 x 17 x 17 cm



Fish trap

418.11 **rubber sucker twin 3 pcs.**



rubber sucker twin

The double sucker is made of a highly quality flexible material and is particularly suitable for fixing our **Fish trap** to the inside glass of an aquarium. We recommend using three double suckers to ensure safe fixing of the **Fish trap**. By using this type of fixing, the **Fish trap** does not have to be in contact with the base of the aquarium, making it easier to catch fish than was possible before. You can also use the double sucker to connect other items with smooth surfaces to each other.

(Ø env. 45 mm)

501.81 **Trap-pest**

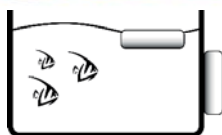


Trap-pest

Universal trap for crabs, snails and bristle worms - for fresh- and saltwater
Trap-pest is an automatic trap for removing undesirable bristle worms, crabs or snails from an aquarium. Bristle worms crawl through a funnel into the trap and cannot find their way out whilst crabs and snails pass through a one way curtain which blocks their return path. The **Trap-pest** is simply baited from the outside.

Dimensions (l x w x h): app. 15.5 x 7.5 x 8.5 cm

67021 **Mega Mag S**
67022 **Mega Mag M**
67023 **Mega Mag L**



Magnetic glass cleaners for panes between 6 and 18 mm (app. 0.24 and 0.72")
Mega Mag Magnetic glass cleaners are waterproof, corrosion-resistant and suitable for use on fresh and saltwater aquariums, removes debris and algae from the aquarium glass. The floating half of the magnet that is placed within the aquarium can be easily attached to help avoid scratching due to sand and gravel being trapped between the two halves.

Type:	Mega Mag S	Mega Mag M	Mega Mag L
Glass thickness up to	6 mm	12 mm	18 mm
Cleaning surface	app. 62 x 33 mm	app. 98 x 36 mm	app. 85 x 67 mm

68000 **defroster+**



defroster+

For defrosting of frozen food and enrichment with amino acids and vitamins. For marine and freshwater fish. The frozen food is thawed in the defroster box, protected from light and vitamin saving. With the **defroster+** sieve, it is separated from the nitrate and phosphate enriched thawing water and can be enriched with essential vitamins and amino acids (**aminovit**). Incl. **defroster+** Box with lid and sieve.



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