



# Marine- & Freshwater Catalogue

**AQUA MEDIC**

2016

Valid From: 07/2016



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now available

AQUA MEDIC®

# aquapHloor

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.

The general delivery and payment terms and conditions are valid. Technical changes reserved.

**AQUA MEDIC®**

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NEU  
NEW - NOUVEAU

AQUA MEDIC

# Bali Sand



Sehr hochwertiger, weißer Bodengrund

High-quality white substrate

Substrat blanc, de très bonne qualité

0,5 - 1,2 mm / 5 kg  
2 - 3 mm / 10 kg

0,5 - 1,2 mm / 10 kg  
2 - 3 mm / 5 kg



D

- Naturbelassen und ohne Farbstoffe
- Fördert den biologischen Abbau von Detritus
- Geeignet für alle Meerwasser-aquarien

ENG

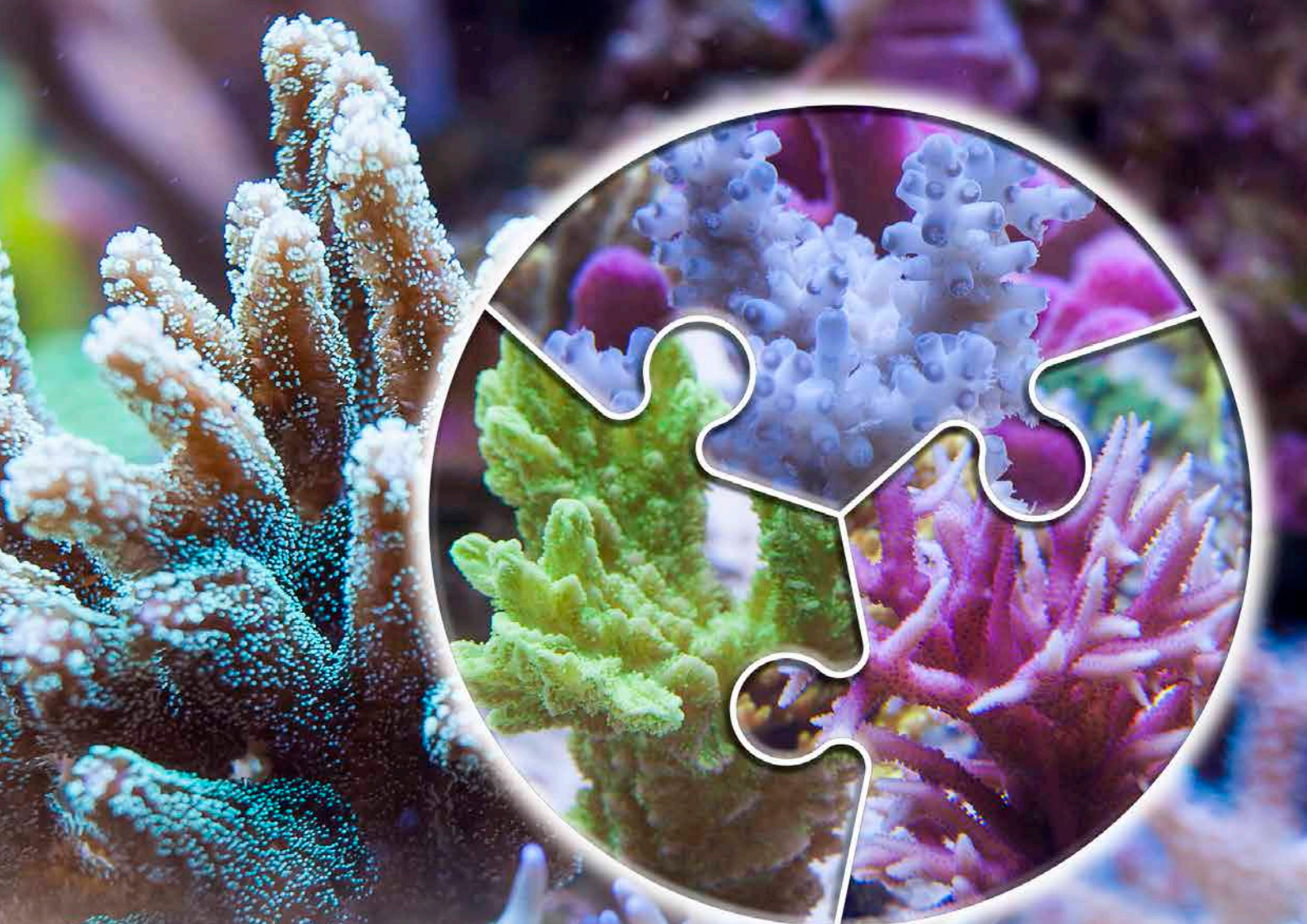
- Natural product, without additives
- Supports the biodegradation of Detritus
- Suitable for use in all saltwater aquaria

F

- Naturel et sans colorant
- Favorise la dégradation biologique des détritius
- Convient pour tous les aquariums d'eau de mer

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[www.aqua-medic.de](http://www.aqua-medic.de)



# TriComplex

supplies corals



dissolved calcium  
for skeletal growth



vital trace elements  
including strontium, fluorine and iodine. And avoids ionic shifts



pH buffer  
optimum for calcium synthesis

# Tri Complex

Content:



2 litres component **blue**:  
pH buffer 1 + iodine  
and fluorine complex



2 litres component **white**:  
pH-buffer 2



2 litres component **red**:  
calcium,  
magnesium,  
strontium  
+ vital elements

## Application/dosage:

To start, add a daily dose of 10 ml each of the three **Tri Complex** components per 100 litres of aquarium water. Check the water's carbonate hardness regularly. If the hardness has increased more than required, reduce the dosage. If required the dosage can be increased to reach the optimal values of 7 - 9° dKH.

Aqua Medic **reefdoser EVO 4** (available separately) is ideal for dispensing additives. Remove screw caps and connect the tubes of the dosing pump with the supplied suction tubes. These are immersed in the fluid until they reach the bottom of the container.

Any small quantities left in the container can be added manually the next day. Dispense equal amounts of all three components to an area of the aquarium with high water flow. The pH value is buffered in the range of 8.3 to 8.6.

A turbidity upon dispensing the white component is normal and has no adverse effect and will dissolve quickly.

Should you use Aqua Medic **Tri Complex** without a dosing pump, we recommend you use a very large disposable syringe (not included) which can then be attached to one of the suction tubes using a 6 mm hose.

We recommend:  
**reefdoser EVO 4**



## AQUA MEDIC

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**NEU**  
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# K - series **K1** **K2** **K3**

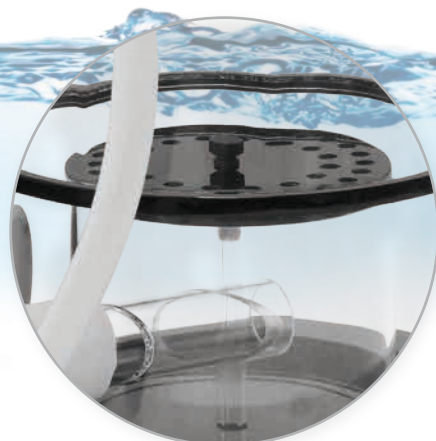


Regelbare und sehr leistungsstarke Abschäumer für den Filtersumpf  
Adjustable and very powerful skimmer for the sump



**In 3 Größen erhältlich**

Available in 3 sizes



**Hohe Luftleistung**  
High air power



**Neues Power Wheel**  
New Power Wheel



Version	Gesamt Leistungsaufnahme Total consumption	Pumpe Pump	Luftleistung Air power	Gesamthöhe ca. Total height app.	Ausbauhöhe Schaumtopf ca. Height foam cup app.	Benötigte Stellfläche ca. Required space app.	opt. Wasserstand im Filterbecken ca. opt. water level in filter sump app.
<b>K 1</b>	max. 18 Watt	DC Runner K1	max. 800 l/h	45 cm	48 cm	20 x 24 cm	14 - 18 cm
<b>K 2</b>	max. 31 Watt	DC Runner K2	max. 1.800 l/h	48 cm	51 cm	35 x 24 cm	18 - 23 cm
<b>K 3</b>	max. 58 Watt	DC Runner K3	max. 3.100 l/h	54 cm	57 cm	40 x 25 cm	18 - 23 cm

**D**

Abschäumer der K-Serie werden in drei Baugrößen angeboten: **K 1** für Aquarien von 100 bis 500 Liter, **K 2** für Aquarien von 200 bis 1.000 Liter, **K 3** für Aquarien von 300 bis 1.500 Liter.

**Ausstattung:**

- Regelbare 24 V Pumpe DC Runner inkl. Controller mit Futterstoptaste und 0-10 V Anschluss
- Hoher Lufteintrag, optimales Blasenbild durch neues Power Wheel
- Leiser Betrieb durch regelbaren Wasserauslauf am Gehäuseboden
- Frei positionierbarer Schalldämpfer
- Schaumentwicklung elektronisch und manuell regelbar
- Geringe Stellfläche durch kompakte Bauweise
- Vollständig zerlegbar für leichte Reinigung

**ENG**

We offer the K-Series skimmer in three different sizes: **K 1** for aquaria 100 up to 500 litres, **K 2** for aquaria 200 up to 1,000 litres, **K 3** for aquaria 300 up to 1,500 litres.

**Equipment:**

- 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

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NEU  
NEW - NOUVEAU

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# Qube 50 plant



High Power LED-Spot zur Beleuchtung von Süßwasseraquarien

High Power LED-Spot light for freshwater aquaria



D

Ausstattung:

- LED Cluster Chip bestehend aus 24 einzelnen LED-Elementen mit ausgewogenem Lichtspektrum
- Hohe Energiedichte speziell abgestimmt für starkes Pflanzenwachstum (PAR=1.410  $\mu\text{mol m}^{-2}\text{s}^{-1}$ )
- Farbe und Lichtmenge über 2 Kanäle manuell einstellbar
- Integrierter 0-10 Volt Anschluss zur Verwendung von externen Steuergeräten
- Die kompakte Bauweise ermöglicht eine ideale Beleuchtung von Nano-Aquarien, sowie die Ausleuchtung dunkler Randbereiche bei größeren Aquarien
- Laufruhiger interner Lüfter für zuverlässige Kühlung des LED Chips
- Flexibler Schwanenhals für einen stabilen Halt und einfache Ausrichtung, sowie Stahlseilaufhängung zur Deckenmontage (im Lieferumfang enthalten)

Abmessungen (Gehäuse)	ca. 80 x 80 x 65 mm
Gewicht inkl. Halter	ca. 725 g
Anzahl Lichtkanäle	2
Anzahl Lichtfarben	6
Ausleuchtungsfläche max:	ca. 500 x 500 mm
PAR Wert	1410 $\mu\text{mol m}^{-2}\text{s}^{-1}$
Gesamt Lumen	1364 lm
Gesamt Leistungsaufnahme	50 Watt max.
Stromversorgung	100-240 V / 50-60 Hz
Stromversorgung Leuchte	24 V

ENG

Features:

- LED Cluster chip consisting of 24 individual LED elements with balanced light spectrum
- High energy density specially designed for strong plant 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

Dimensions (housing)	app. 80 x 80 x 65 mm
Weight incl. holder	app. 725 g
Number of light colours	2
Number of light colours	6
Illuminated area max:	app. 500 x 500 mm
PAR value	1410 $\mu\text{mol m}^{-2}\text{s}^{-1}$
Total lumen	1364 lm
Total consumption	50 Watt max.
Power supply transformer	100-240 V / 50-60 Hz
Power supply light	24 V

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now available

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# Qube control

2-channel light control for Qube

now available



Qube control



Qube 50



## Equipment:

- 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

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**NEU**  
**NEW - NOUVEAU**

**AQUA MEDIC**

# AC Runner *SERIES*



**Kraftvolle Universalpumpe für Aquarien**

Powerful universal pump for aquaria

Puissante pompe universelle pour aquarium

**220-240 V / EU-Plug only**



Version	AC Runner <b>3.0</b>	AC Runner <b>5.0</b>	AC Runner <b>9.0</b>	AC Runner <b>12.0</b>
<b>Stromversorgung Pumpe</b> Power supply pump Voltage pompe	220 - 240 V / 50 Hz			
<b>Pumpenleistung bis zu</b> Pump power up to Débit pompe jusqu' à	3.000 l/Std (l/h)	5.000 l/Std (l/h)	9.000 l/Std (l/h)	12.000 l/Std (l/h)
<b>Max. Förderhöhe bis zu</b> Max. head up to Hauteur refoulement max. jusqu' à	2,7 m	4,2 m	5 m	5,5 m
<b>Leistungsaufnahme gesamt</b> Total power consumption Puissance absorbée total	max. 27 Watt	max. 44 Watt	max. 78 Watt	max. 92 Watt
<b>Saugseite Ø</b> Suction side Ø Côté aspiration Ø	32 mm / 1 ¼ inch	32 mm / 1 ¼ inch	40 mm / 1 ½ inch	40 mm / 1 ½ inch
<b>Druckseite Ø</b> Pressure side Ø Côté débit Ø	25 mm / 1 inch	32 mm / 1 ¼ inch	40 mm / 1 ½ inch	40 mm / 1 ½ inch
<b>Schutzart</b> Protection rating Protection	IP X8			
<b>Abmessungen in mm (L x B x H), ca.</b> Dimensions in mm (l x w x h), app. Dimensions in mm (L x l x H), env.	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 (Korb nicht enthalten) (basket not included) (panier non inclus)	195 x 115 x 130 (Korb nicht enthalten) (basket not included) (panier non inclus)

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[www.aqua-medic.de](http://www.aqua-medic.de)

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11/16

**NEU**  
**NEW - NOUVEAU**

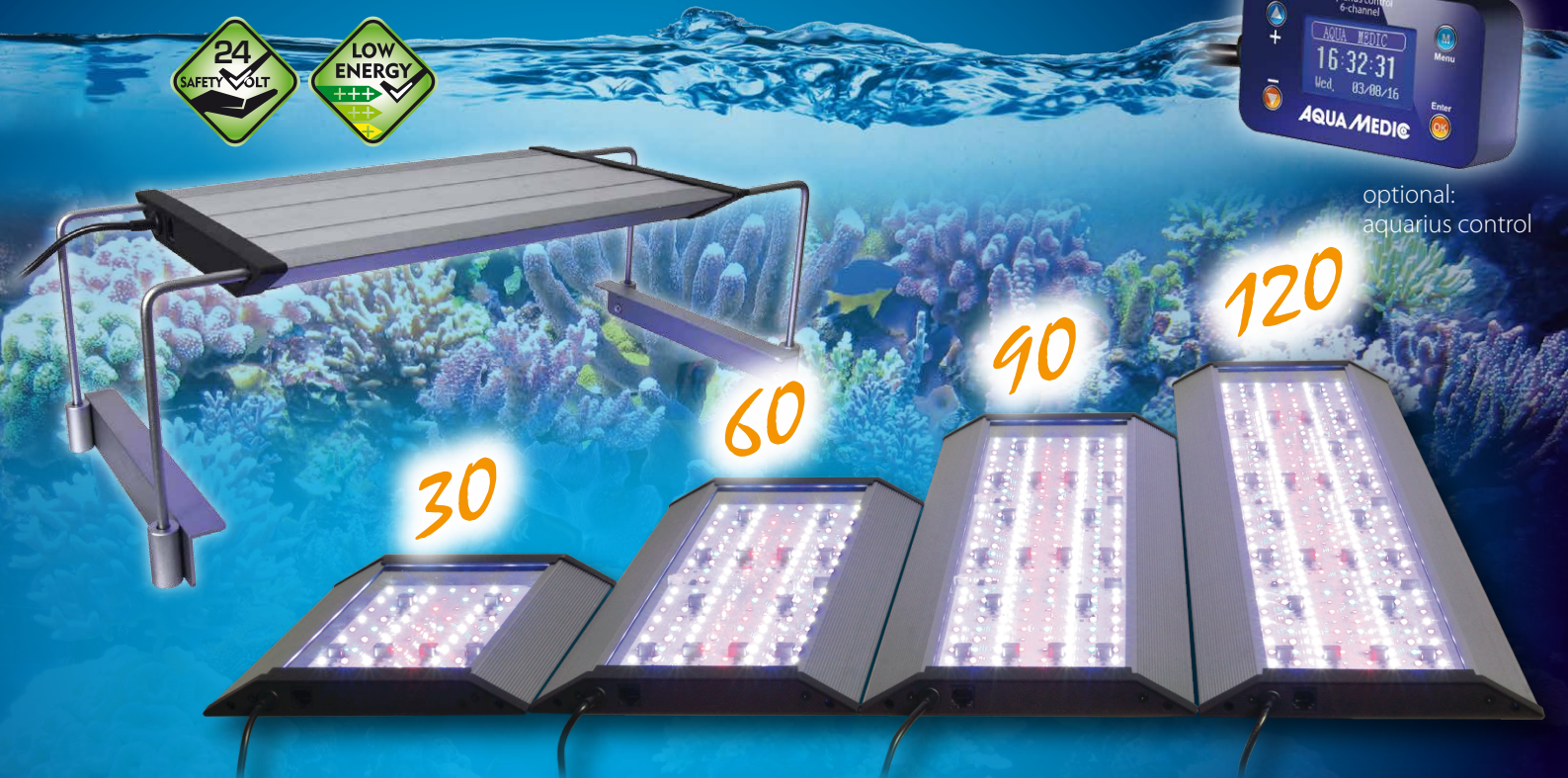
**AQUA MEDIC**

# aquarius

LED Aquarienleuchte für Meerwasseraquarien  
LED aquarium light for saltwater aquaria



optional:  
aquarius control



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

**D**

## LED Aquarienleuchte für Meerwasseraquarien

Die aquarius mit ihrem flachen Aluminiumgehäuse bietet eine besonders gleichmäßige Ausleuchtung Ihres Aquariums. Die Zusammenstellung der sechs einzelnen Lichtfarben ist speziell auf die Bedürfnisse der Meerwasseraquaristik abgestimmt. Die Leuchte ist vorbereitet zum Anschluss einer 6-Kanal-Steuerung, durch die individuelle Einstellungen der Lichtfarbe, Lichtintensität und Lichtverläufe ermöglicht werden.

### Ausstattung:

- LED-Leuchte mit 6 Farben
- Vorbereitung für 6-Kanal Steuereinheit
- Eloxiertes Aluminiumgehäuse zur passiven Kühlung (ohne Lüfter)
- Sicherheitsspannung 24 V mit externem Transformator (100-240 V / 50-60 Hz)
- Variable Halterung zur Montage auf dem Aquarium

### Optional:

- **aquafit II** Stahlseilaufhängung
- aquarius control

**ENG**

## 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
- 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 II** steel wire suspension
- aquarius control

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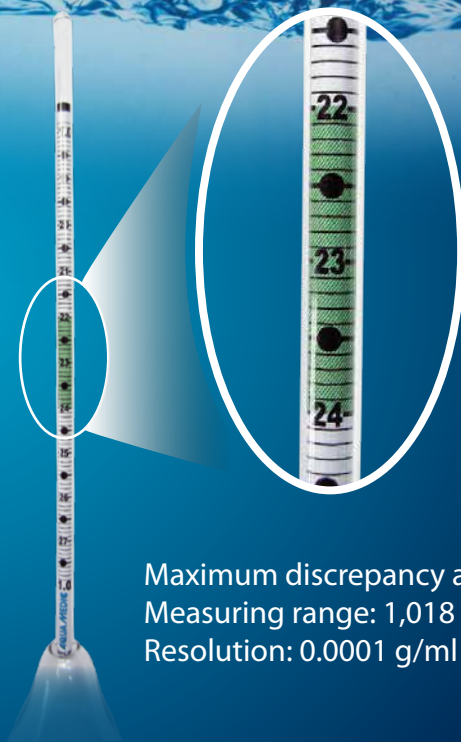
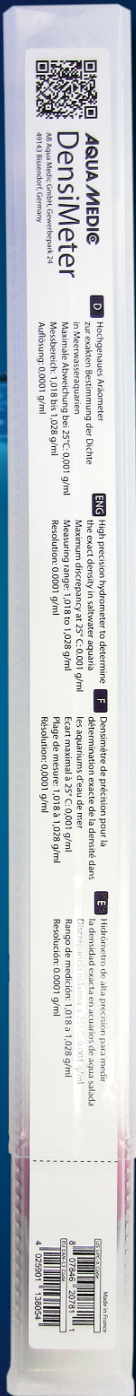
[www.aqua-medic.de](http://www.aqua-medic.de)

now available

AQUA MEDIC

# DensiMeter

High precision hydrometer  
to determine the exact density in saltwater aquaria



app. 355 mm

Maximum discrepancy at 25°C: 0.001 g/ml  
Measuring range: 1,018 to 1,028 g/ml  
Resolution: 0.0001 g/ml

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. In this case, the water temperature of the sample should be, if possible exactly 25°C.

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# platinum line *plus*

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.

up to 400 l/day

up to 99 % pure

up to 1 : 1

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NEU  
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# Refill System Pro

Nachfüllsystem mit Sicherheitsabschaltung

Refill System with safety circuit

Système de remplissage sécurisé



D

Einfache und sichere Nachfüllung des verdunsteten Wassers im Aquarium

- Permanente Überwachung des Wasserstandes im Aquarium durch Infrarotsensor mit Verzögerungsschaltung
- Automatische Wassernachfüllung des verdunsteten Aquarienwassers
- Justierbarer minimaler und maximaler Wasserstand im Aquarium bzw. Filterbecken
- Trockenlaufschutz der Nachfüllpumpe - optischer und akustischer Alarm
- Warnung bei niedrigem Wasserstand des Nachfüllbehälters
- Einfachste Montage und Wartung durch Steckverbindungen an allen Kabeln  
(inkl. Kabelsicherung gegen unbeabsichtigtes Lösen)
- Sicherheitsabschaltung bei defektem Füllstandsensor
- 12 V Kleinspannung, inkl. Sicherheitstransformator (100 - 240 V / 50 - 60 Hz)

ENG

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)

F

Remplissage efficace et sécurisé de l'eau évaporée de l'aquarium

- Surveillance permanente du niveau d'eau par capteur infrarouge avec circuit de temporisation
- Remise à niveau automatique de l'eau évaporée
- Ajustement du niveau d'eau maximal et minimal de l'aquarium ou du bac de filtration
- Protection contre la marche à sec de la pompe de remplissage - alarme visuelle et acoustique
- Avertissement en cas de faible niveau d'eau du récipient de mise à niveau
- Montage et entretien simples par connexion de tous les câbles (Y compris sécurisation du câble afin d'éviter qu'il ne se détache)
- Arrêt de sécurité en cas de sonde défectueuse
- Bas voltage 12 V, y compris transformateur de sécurité (100 - 240 V / 50 - 60 Hz)

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**NEU**  
**NEW - NOUVEAU**

**AQUA MEDIC**

# DC Runner

*X.1 - SERIES*



Kraftvolle, regelbare Universalpumpe für Aquarien, 0-10 Volt Steuerung  
 Powerful, adjustable universal pump for aquaria, 0-10 volt control  
 Puissante pompe universelle réglable pour aquarium, 0-10 Volt contrôle



**D**

- Zum Einsatz als Förder- und Strömungspumpe in Meer- und Süßwasseraquarien
- Inkl. Controller zur Regulierung der Fördermenge
- 0-10 V-Anschluss für externe Steuerung
- Robustes Pumpengehäuse
- Stromsparender Gleichstrommotor 24 V mit hohem Wirkungsgrad
- Polierte Keramiklager und -achsen für optimale Laufruhe und einen wartungsarmen Dauerlauf über viele Jahre
- Aufstellung unter Wasser und außerhalb möglich

**ENG**

- 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

**F**

- Pour utilisation comme pompe de brassage ou pompe d'alimentation dans les aquariums d'eau douce ou d'eau de mer
- Contrôle (Controller) inclus du débit
- Raccordement 0-10 V pour contrôle externe
- Robuste corps de pompe
- Moteur 24 V économe en énergie avec efficacité importante
- Paliers polis et axes en céramique pour un fonctionnement silencieux et sans entretien durant de nombreuses années
- Possibilité d'utilisation sous l'eau ou en dehors de l'eau

Version	DC Runner 1.1	DC Runner 2.1	DC Runner 3.1	DC Runner 5.1	DC Runner 9.1
<b>Stromversorgung Pumpe</b> Power supply pump Voltage pompe	24 V				
<b>Stromversorgung Transformator</b> Power supply transformer Voltage transformateur	100 - 240 V / 50 - 60 Hz				
<b>Pumpenleistung bis zu</b> Pump power up to Débit pompe jusqu' à	1.200 l/Std (l/h)	2.000 l/Std (l/h)	3.000 l/Std (l/h)	5.000 l/Std (l/h)	9.000 l/Std (l/h)
<b>Max. Förderhöhe bis zu</b> Max. head up to Hauteur refoulement max. jusqu' à	1,5 m	2,2 m	2,7 m	3,5 m	4,8 m
<b>Leistungsaufnahme gesamt</b> Total power consumption Consommation électrique total	max. 12 Watt	max. 20 Watt	max. 25 Watt	max. 50 Watt	max. 65 Watt
<b>Saugseite Ø</b> Suction side Ø Raccords côté aspiration Ø	25 mm	25 mm / 1 inch	32 mm / 1 ¼ inch	32 mm / 1 ¼ inch	40 mm / 1 ½ inch
<b>Druckseite Ø</b> Pressure side Ø Raccord côté débit Ø	20 mm	25 mm / 1 inch	25 mm / 1 inch	32 mm / 1 ¼ inch	40 mm / 1 ½ inch
<b>Schutzart</b> Protection rating Protection	IP X8				
<b>Abmessungen in mm (L x B x H), ca.</b> Dimensions in mm (l x w x h), app. Dimensions in mm (L x l x H), env.	125 x 60 x 85	135 x 67 x 67	200 x 90 x 120	190 x 105 x 130	200 x 105 x 160

**AQUA MEDIC**

[www.aqua-medic.de](http://www.aqua-medic.de)

AB Aqua Medic GmbH | Gewerbepark 24 | 49143 Bissendorf | Germany | Telefon +49 5402 99110 | Telefax +49 5402 991119

Item code

Item

**Aquaria**

565.20 **Blenny Qube**

**New**

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 prime white glass.

Equipment:

- Current: **EcoDrift 4.1**, located in the back wall, easily adjustable for desired water moment (2,000 - 4,000 l/h, 24 V, 3 - 10 W).
- Protein skimmer: **EVO 500** (24 V, 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): c. 40 x 50 x 40 cm  
 Water level: c. 38 cm, Volumen: c. 76 l



Blenny Qube

565.01 **Blenny Stand white**

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): c. 40 x 50 x 100 cm



Blenny Stand

**Water Volume calculated before gravel or decoration.**

Item code

Item

**Aquaria**

570.20 **Cubicus Qube**

**New**

**Complete Seawater Aquarium**

Energy saving complete seawater 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 seawater 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 prime white glass which guarantees the observer the colour rendering of the animals at its best.

**Equipment:**

- Current: **EcoDrift 4.1** (2,000 - 4.000 l, 24 V, 3 - 10 W), integrated into the rear panel
- Skimmer: **EVO 500** (7 watts)
- 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 b x h): app. 50 x 60 x 50 cm  
Water level app. 47 cm, Volume app. 140 l



Cubicus Qube



Benny Stand

570.01 **Cubicus Stand** white

570.08 **Cubicus Stand** graphite-black

**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): c. 50 x 60 x 100 cm

571.20 **Cubicus CF Qube** white

571.28 **Cubicus CF Qube** graphite-black

**New**

**Saltwater aquarium incl. cabinet filter system**

- 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 b 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 1.1**
- Protein skimmer **EVO 500**
- High-quality cabinet with softclose, white high gloss or graphite-black, assembled

**Options:**

- Aqua Medic **Refill-System** (See page 32.)
- **Helix Max** UV-C sterilizer 9 W (See page 38.)

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.**



Cubicus CF Qube



Item code

Item

**Aquaria**

522.044 **Kauderni** white



**Kauderni**

- The stylish way to own a sea water aquarium with plug and play technology
- constructed with prime white glass
  - high-quality aluminium cover including adjustable active ventilation
  - Illumination: 2 x **Ocean Light LED** 36 W
  - Filter compartment incl. **EVO 500** (max. 7 W)
  - Two internal baskets for adding further filter media like antiphos Fe or carbolit
  - Pump: **EcoDrift 4.1** (2.000 – 4.000 l/h, 24 V , 3 - 10 W, adjustable)
  - High-quality cabinet with softclose, white high gloss, assembled

Options:

- **Ocean Light LED Control** + 1 x **Y-cable** (See page 41.)
- **sunrise control** + 2 x **Control cables** (See page 42.)

Dimensions (l x b x h): 65.5 x 60 x 146 cm (aquarium app. 65.5 x 60 x 60 cm).  
Water level c. 51 cm, volume app. 200 l.

523.044 **Kauderni CF** white



**Kauderni CF**

Saltwater aquarium incl. cabinet filter system

- 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 b x h): app. 40 x 47 x 45 cm, water level max. 32 cm, volume max. 54 l
- Illumination: 2 x **Ocean Light LED** 36 W
- Circulation pump **DC Runner 1.1**
- Protein skimmer **EVO 500**
- High-quality cabinet with softclose, white high gloss, assembled

Options:

- **Ocean Light LED Control** + 1 x **Y-cable** (See page 41.)
- **sunrise control** + 2 x **Control cables** (See page 42.)
- Aqua Medic **Refill-System** (See page 32.)
- **Helix Max** UV-C sterilizer 11 W (See page 38.)

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

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

Item code

Item

**Aquaria**



Magnifica 100

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

Integrated saltwater aquarium system complete with filtration system, lights & cabinet

- Aquarium with 10 mm float glass, with a 12 mm prime white glass front pane
- high-quality aluminium cover including adjustable active ventilation
- Illumination: 2 x **Ocean Light LED** 54 W
- Filter: Filter compartment incl. **EVO 1000** (max. 9 W)
- Two internal baskets for adding further filter media like **antiphos Fe** or **carbolit**
- Circulation pump: **DC Runner 1.1** (max. 12 W)
- Current pumps: 2 x **EcoDrift 4.1** (24 V , 3 - 10 W, adjustable)
- high-quality cabinet with softclose, white high gloss or graphite-black, assembled

Options:

- **Ocean Light LED Control** + 1 x **Y-cable** (See page 41.)
- **sunrise control** + 2 x **Control cables** (See page 42.)

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



Magnifica 100 CF

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

Saltwater aquarium incl. cabinet filter system

- 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 b x h): app. 50 x 50 x 45 cm, water level max. 32 cm, volume max. 75 l
- high-quality aluminium cover including adjustable active ventilation
- Illumination: 2 x **Ocean Light LED** 54 W
- Circulation pump **DC Runner 3.1**
- Protein skimmer **EVO 1000**
- high-quality cabinet with softclose, white high gloss or graphite-black, assembled

Options:

- **Ocean Light LED Control** + 1 x **Y-cable** (See page 41.)
- **sunrise control** + 2 x **Control cables** (See page 42.)
- Aqua Medic **Refill-System** (See page 32.)
- **Helix Max** UV-C sterilizer 18 W(See page 38.)

Dimensions (l x b x h): app. 100 x 65 x 145 cm  
 (aquarium dimensionsn app. 100 x 65 x 60 cm).  
 Water level c. 50 cm, volume app. 325 litres.

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

Item code

Item



Magnifica 130 CF

## Aquaria

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

Saltwater aquarium incl. cabinet filter system

- 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. 65 x 50 x 45 cm, water level max. 32 cm, volume max. 97 l

- high-quality aluminium cover including adjustable active ventilation
- Illumination: 2 x **Ocean Light LED** 72 W
- Circulation pump **DC Runner 3.1**
- Protein skimmer **EVO 1000**
- high-quality cabinet with softclose, white high gloss or graphite-black, assembled

Options:

- **Ocean Light LED Control** + 1 x **Y-cable** (See page 41.)
- **sunrise control** + 2 x **Control cables** (See page 42.)
- Aqua Medic **Refill-System** (See page 32.)
- **Helix Max** UV-C sterilizer 36 W(See page 38.)

Dimensions (l x w x h): app. 130 x 65 x 145 cm

(aquarium dimensions app. 130 x 65 x 60 cm).

Water level c. 50 cm, volume app. 425 litres.

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

Item code

Item

**Aquaria**

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

**New**



Xenia 65

- Frameless saltwater aquarium incl. cabinet filter system
- Aquarium without support made from prime white glass with polished edges
  - Glass thickness of front pane: 10 mm
  - Incl. glass cabinet filter with four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer, multi reactor) and filter media, settling chamber  
Dimensions of the filter (l x w x h): app. 50 x 50 x 45 cm, water level max. 32 cm, volume max. 75 l
  - Circulation pump **DC Runner 1.1**
  - incl. assembled inlet and outlet piping, emergency overflow, quiet and adjustable overflow
  - incl. empty conduit for hidden cable duct
  - high-quality cabinet with softclose, white high gloss or graphite-black, assambled

Dimensions (l x w x h): app. 65 x 60 x 140 cm,  
(aquarium app. 65 x 60 x 55 cm).  
Water level app. 50 cm, volume app. 195 l.



Xenia 100

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

- Frameless saltwater aquarium incl. cabinet filter system
- Aquarium without support made from prime white glass with polished edges
  - Glass thickness of front pane: 12 mm
  - Incl. glass cabinet filter with four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer, multi reactor) and filter media, settling chamber  
Dimensions of the filter (l x w x h): app. 50 x 50 x 45 cm, water level max. 32 cm, volume max. 75 l
  - Circulation pump **DC Runner 3.1**
  - incl. assembled inlet and outlet piping, emergency overflow, quiet and adjustable overflow
  - incl. empty conduit for hidden cable duct
  - high-quality cabinet with softclose, white high gloss or graphite-black, assambled

Dimensions (l x w x h): app. 100 x 65 x 140 cm,  
(aquarium app. 100 x 65 x 55 cm).  
Water level app. 50 cm, volume app. 325 l.

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

Item code

Item

**Aquaria**



Xenia 130

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

Frameless saltwater aquarium incl. cabinet filter system

- Aquarium without support made from prime white glass with polished edges
- Glass thickness of front pane: 15 mm
- Incl. glass cabinet filter with four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer, multi reactor) and filter media, settling chamber  
Dimensions of the filter (l x w x h): app. 65 x 50 x 45 cm, water level max. 32 cm, volume max. 97 l
- Circulation pump **DC Runner 3.1**
- incl. assembled inlet and outlet piping, emergency overflow, quiet and adjustable overflow
- incl. empty conduit for hidden cable duct
- high-quality cabinet with softclose, white high gloss or graphite-black, assembled

Dimensions (l x w x h): app. 130 x 65 x 140 cm,  
(aquarium app. 130 x 65 x 55 cm).  
Water level app. 50 cm, volume app. 425 l.



Xenia 160

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

**New**

Frameless saltwater aquarium incl. cabinet filter system

- Aquarium without support made from prime white glass with polished edges
- Glass thickness of front pane: 19 mm
- Incl. glass cabinet filter with four-chamber system, pre-filter chamber, two clear water chambers for putting up biological and mechanical filters (e. g. skimmer, multi reactor) and filter media, settling chamber  
Dimensions of the filter (l x w x h): app. 84 x 50 x 45 cm, water level max. 32 cm, volume max. 130 l
- Circulation pump **DC Runner 5.1**
- incl. assembled inlet and outlet piping, emergency overflow, quiet and adjustable overflow
- incl. empty conduit for hidden cable duct
- high-quality cabinet with softclose, white high gloss or graphite-black, assembled

Dimensions (l x w x h): app. 160 x 65 x 140 cm,  
(aquarium app. 160 x 65 x 55 cm).  
Water level app. 50 cm, volume app. 525 l.

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



Item code	Item
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**Aquaria**



Padova

- 502.30 **Padova** red
- 502.37 **Padova** Ash grey
- 502.38 **Padova** graphite-black  
Other colors available on request!

Delivery without filter is possible.

- Lighting recommendation:**
- 83214150 **aquasunLED 150 W dark silver**
  - 83214300 **aquasunLED 300 W dark silver**

Saltwater aquarium  
 Glass thickness: 15 mm, stand from aluminium with cabinet and glass doors.  
 Filtersystem: High-quality closed glass filter with sliding doors, trickle filter and skimmer **aCone 1.5 EVO**. Circulation pump **DC Runner 3.1**.  
 Prepared for the installation of UV - **Helix Max** 18 Watts.

Dimensions over all (l x b x h): app. 140 x 70 x 154 cm,  
 Aquarium without front covers and stress bars (app. 140 x 70 x 60 m)  
 Water level c. 57 cm, Volume app. 550 l

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

**Accessories Aquaria**



Holder 88 mm

- 86606 Holder 88 mm / pair  
Bearing rail for aquaria lights



hopstop

- 418.12 **hopstop**  
**New** 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

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.

**Hydrometer**

- 65900 **salimeter**



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  $\pm 0.0005$  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**



refractometer

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.

Item code

Item

**Salt Water Supplements**

**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.



- 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.

Item code

Item

**Salt Water Supplements**



- 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 sea water aquaria with normal magnesium need. For aquaria with heavy magnesium consumption, we recommend **REEF LIFE Magnesium compact**.



- 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 sea 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 sea 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 sea water aquarium, they are also removed with the skimmer. The result is extremely clear and low-pollution water. The animals feel again well.

Item code	Item
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**Salt Water Supplements**

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.

410.95 **Dolomite 1 l/1250 g**  
 Magnesium and calcium release media for the calciumreactor  
 It increases the calcium and the magnesium levels of the water. We recommend  
 its addition at a rate of 25 % to our **Hydrocarbonate**.

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

- 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.



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 sea water. It's formulation is suited to both, fish and invertebrates. It's 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 feed. 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 (c. 3.24"). Length: app. 52 cm (c. 17"). Hose connection: 6 mm (c. 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 (c. 0.65 gal), wall bracket and connections for air pump. Ø 8 cm (c. 3.2"). Length: 80 cm (c. 32"). Hose connection: 6 mm (c. 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 CO<sub>2</sub>. The micro-algae can be fed directly to many filter-feeding invertebrates, and especially to zooplankton. The growth rate of the micro-algae in the **plankton light reactor** is enormous. If the supply of light, CO<sub>2</sub> 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 (c. 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 (c. 3.2"). Length: app. 80 cm (c. 32"). Hose connection: 6 mm, (c. 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.



65940 **microscope**

**New**

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**

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



Titan 150



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

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



Titan 6000 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		
Dimension (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!

107.100 **nano breeze**

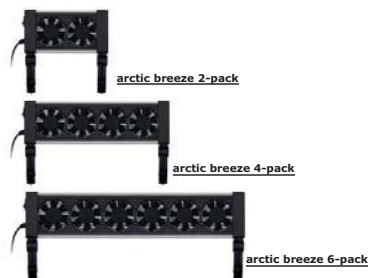


nano breeze

Aquarium cooling fan for nano tanks (Plug and Play)  
 Spray water protected fan (IP54), Ø = 40 mm. Silent long life fan. With real ball bearing and brush free motor. 12 V low voltage. Power uptake only 1 Watt. Rounds per minute: 5500 RPM. **nano breeze** aquarium fan can easily be fixed at the aquarium frame. It cool down the water by increasing the evaporation. For temperature-dependet control we recommend optional the use of our **T controller twin**.

Content: Fan with holder, Glas clip (for 6 – 8 mm thickness), Power supply 12 V

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



arctic breeze 2-pack

arctic breeze 4-pack

arctic breeze 6-pack

Spray water protected fans (IP 55). 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-dependet 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

**Pumps - Current pumps**

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

**New**

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 vibrationreducing 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**

**New**

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



100.301 **Extension cord 1.8 m 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**

- 100.311 **DC Runner 1.1**
- 100.321 **DC Runner 2.1** - available from autumn 2016
- 100.331 **DC Runner 3.1**
- 100.351 **DC Runner 5.1**
- 100.391 **DC Runner 9.1**

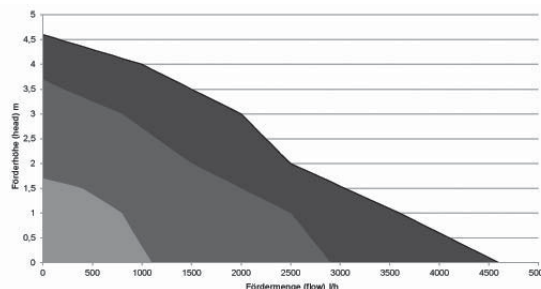
**New**

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 16



Extension cord DC Runner/EcoDrift

100.301 **Extension cord 1.8 m 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

**Pumps - Circulation pumps**



ECO Runner 6000

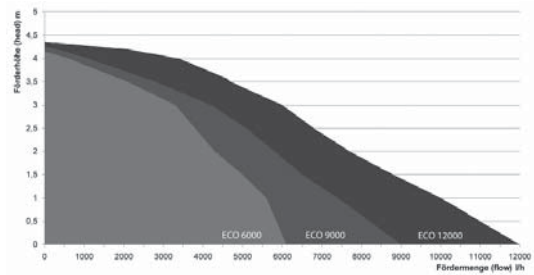


- 100.160 **ECO Runner 6000**
- 100.190 **ECO Runner 9000**
- 100.220 **ECO Runner 12000**

Powerful circulation pump for aquaria

For use as circulation and return pump in salt- and freshwater aquaria. Rugged pump housing. Electronic directed energy saving motor with high efficiency. Polished ceramic shaft and bearing guarantees silent operation and long term maintenance free operation. Submerged and non submerged set up is possible. Prefilter basket and hose connections included.

ECO Runner	6000	9000	12000
Voltage	230 V~/50 Hz		
Max. flow l/h	6,000	9,000	12,000
Max. head	4.10 m	4.30 m	4.50 m
Power consumption/watts	70	95	150
Connection pressure/suction side	32 mm (1 1/4")	40 mm (1 1/2")	
Cable length in m (indoor use)	3		
Protection rating	IP X8		
Dimensions in cm (l x w x h), app.	21 x 11.5 x 18		



OR 1200



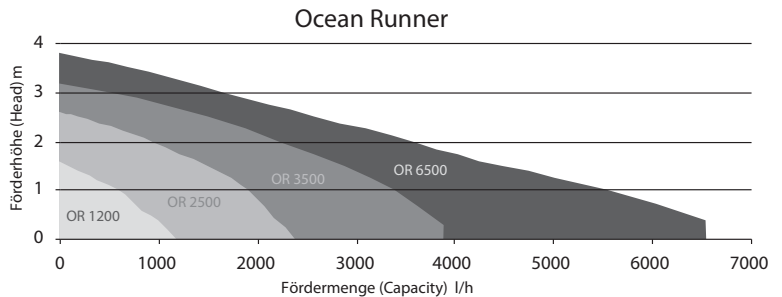
OR 6500

- 100.012 **Ocean Runner OR 1200**
- 100.025 **Ocean Runner OR 2500**
- 100.035 **Ocean Runner OR 3500**
- 100.065 **Ocean Runner OR 6500**

Circulation pump for aquaria

The **Ocean Runner** pumps are powerful universal pumps to be used as circulation or current pumps in both salt- and freshwater aquaria. The **Ocean Runners** are supplied with a rugged pump housing, an energy efficient motor, a polished ceramic shaft and ceramic bearings. All these qualities ensure a quiet and maintenance free performance for many years.

Typ	OR 1200	OR 2500	OR 3500	OR 6500
Max. capacity l/h	1,200 (c. 300 gph)	2,400 (c. 630 gph)	3,500 (c. 900 gph)	6,500 (c. 1,700 gph)
Max. head in m	1.6 (c. 5.2")	2.6 (c. 7.8")	3.3 (c. 10.7")	3.8 (c. 12.6")
Power uptakes watts	25	38	65	95
Hose connection				
inlet	17 mm	17 mm	27 mm	26 mm
outlet	16 mm	17 mm	21 mm	24 mm
Dimensions cm (l x w x h), app.	13 x 10 x 15	15.5 x 12.5 x 17.5	18 x 15 x 18	20 x 16 x 22



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**

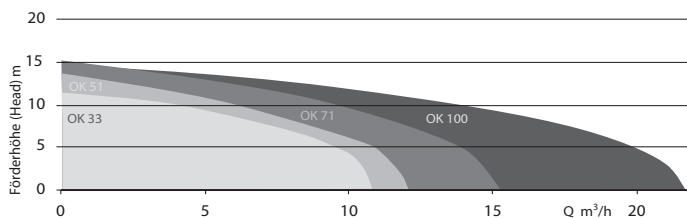
(Necessary to use with any NK or OK pump!)  
 Warranty is void, if pumps are used without motor protection switch!

**Circulation pump OK / NK**

The **OK** and **NK**-series circulation pumps are powerful units having a capacity between 13 and 33 m<sup>3</sup>/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 <sup>3</sup> /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			2.45	2.65	4.00	4.70
V	230	230	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	230 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~, 50/60 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
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**Pumps - Dosing pumps**

104.144 **reefdoser EVO 4**



4-channel dosing pump incl. external controller  
 The Aqua Medic reeferdoser 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. reeferdoser 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**



**reeferdoser 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)

104.015 Dosing pump **SP 1500**  
 104.030 Dosing pump **SP 3000**



The dosing pumps **SP 1500** and **SP 3000** range of dosing pumps are economic peristaltic pumps for pumping small volumes of water. They can be used for bypass filters such as the Nitratereductor **NR 1000** and the Calciumreactor **KR 1000**, to top up evaporated water when combined with an **aquaniveau** and for the automatic dosing of fertilisers and minerals. The pump is supplied a long life Santoprene® hose.  
**SP 1500**: 1.5 l/h (c. 0.04 gph), 4.5 watts  
**SP 3000**: 3.0 l/h (c. 0.08 gph), 4.5 watts

104.031 **SP 3000 Niveaumatt**



Automatic top up unit with peristaltic pump and float switch  
 The **SP 3000 Niveaumatt** will automatically top up evaporated water in fresh and saltwater aquariums. It comprises a **Niveaumatt 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 **Niveaumatt SP 3000** automatically tops up the tank with water from a reservoir (not supplied).  
 Technical data **Niveaumatt**: Capacity: 3 l/h pump, hose: Santoprene®, power consumption: 4.5 watts

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



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

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 (c. 5.6" x 3.2" x 14.6")
Immersion depth	app. 23 cm

**Motor driven adjustable internal and external skimmer**

410.010 **EVO 1000**

410.030 **EVO 3000**



EVO 1000

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

**Motor driven external skimmer**

412.110 **aCone 1.0 EVO**

412.115 **aCone 1.5 EVO**

412.130 **aCone 3.0 EVO**



aCone 1.0 EVO



aCone 1.5 EVO



aCone 3.0 EVO

Adjustable and very powerful skimmer for the sump  
We offer the **aCone EVO** skimmer in three different sizes: **aCone 1.0 EVO** for aquaria up to 800 litres, **aCone 1.5 EVO** for aquaria up to 1.500 litres, **aCone 3.0 EVO** for tanks up to 2.500 litres. The pump power of the **DC Runner** pumps and foam production can be continuously adjusted by the included controller. Thus, the skimmer can be adapted perfectly to the water level and individual needs. The 3D needle wheel will provide a large amount of air and optimum bubble structure. The integrated Silencer ensures an almost soundless operation.

**aCone EVO** skimmer have to be placed in a filter tank. No additional pump for the water supply is required. **Incl. controller.**

	aCone EVO 1.0	aCone EVO 1.5	aCone EVO 3.0
Power Consumption	max. 10 watt	max. 21 watt	max. 40 watt
Pump	DC Runner 1.1	DC Runner 3.1	DC Runner 5.1
Total height	app. 45 cm	app. 53 cm	app. 59.5 cm
Height foam cup	app. 47 cm	app. 54 cm	app. 61 cm
Required space	app. 20 x 33 cm	app. 35 x 32 cm	app. 50 x 40 cm



Item code

Item

**Protein skimmer**



Turboflotor 5000 Shorty Compact



Turboflotor 5000 Shorty II

- 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 (c. 500 gph). The skimmer may also be directly connected to the overflow of the aquarium. In this case it is recommended that a bypass be installed 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

- 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 (c. 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. **Ocean Runner OR 3500** or **ECO Runner 3700**.

The venturi pumps of our **ECO Runner** series with **air 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: 1 x **ECO Runner 3700** - 38 Watt

**T 5000 single 6.0:** Total height app. 185 cm, required space app. 50 x 29 cm (without outlet D40). Venturi pump: 1 x **ECO Runner 6000** - 55 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. (c. 2,500 gph). It is recommended for larger aquariums up to 10,000 litres (c. 2,500 gallons) and professional aquaculture systems. Technical data: Reaction chamber Ø: 50 cm (c. 20"), total height including foam cup: 200 cm (c. 80"), Injector pump power consumption: 500 watts, max. water flow: 10,000 l/h (c. 2,500 gph)

- 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 c. 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 (c. 20"), total height including foam collection cup: 310 cm (c. 122"), injector pump power consumption: 900 watts, maximum water throughput: 20,000 l/h (c. 5,000 gph).



Turboflotor 20000

Item code

Item



Trickle filter T 10000

**Protein skimmer**

- 401.01 **Trickle filter** for **Turboflotor 10000**, with **BactoBalls**
- 401.01-1 **Trickle filter** for **Turboflotor 10000**, w/o **BactoBalls**
- 401.00 **Trickle filter** for **Turboflotor 20000**, with **BactoBalls**
- 401.00-1 **Trickle filter** for **Turboflotor 20000**, w/o **BactoBalls**

**Air driven internal skimmer**



miniflotor

- 410.50 **miniflotor**

Internal protein skimmer for aquaria up to 200 litres (c. 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 (c. 2"), length: with long tube app. 45 cm (c. 18") - with short tube app. 32 cm (c. 12.8"), total width: app. 15 cm (c. 6"), Immersion depth: long tube app. 33 cm (c. 13.2"), short tube app. 20 cm (c. 8")



midiflotor

- 410.55 **midiflotor**

Internal protein skimmer for aquaria up to 400 litres (c. 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 (c. 3"), length: app. 52 cm (c. 21"), total width: app. 15 cm (c. 6"), Immersion depth: app. 30 - 35 cm (c. 12" - 14")

**Accessories Protein skimmer**



Mini



Midi



Maxi

Wooden airstones

- 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.

Item code

Item

**Filter systems**

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 3700** 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 steriliser** as well as the top up system **Refill-System**.  
Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h)

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

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**501.110 Fish Station**



Fish Station

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 3700** 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 steriliser** as well as the top up system **Refill-System**.  
Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h)

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

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**501.010 Reef Station**



Reef Station

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 **aCone 1.5 EVO** protein skimmer and **ECO Runner 3700** 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 steriliser** as well as the top up system **Refill-System**.  
Dimensions of the filter: app. 75.5 x 47.5 x 62 cm (l x w x h)

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

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Item code

Item

**Filter systems**



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

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 m<sup>3</sup>/h (c. 3,000 gph)
- All components are already piped.

Total required space: app. 2,600 x 950 x 2,550 mm (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.



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

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 m<sup>3</sup>/h (c. 3,000 gph)
- All components are already piped.

Total required space: app. 1,900 x 950 x 1,650 mm (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.

Item code

Item

**Filter systems**

- 502.75 **Refill-System**
- 502.75-1 Canister 20 l for **Refill-System**

Refill-System



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.
- Safety shutdown circuit in case of a defective level sensor.
- 12 V low voltage, incl. transformer 100 - 240 V / 50 - 60 Hz.

**Accessories filter systems**

- 501.70 Overflow box **OFB 2500 I**
- 501.75 Overflow box **OFB 5000 I**



Overflow box OFB 5000 I

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 (c. 625 gph), **OFB 5000** for up to 5,000 l/h (c. 1,250 gph)  
**OFB 2500** (l x w x h): app. 19 x 18 x 25 cm (c. 8" x 7.2" x 10"), **OFB 5000** (l x w x h): app. 19 x 25 x 25 cm (c. 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 tub , 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	app. 80 x 60 x 380 mm	app. 100 x 100 x 465 mm
Filling quantity	app. 150 ml	app. 350 ml	app. 650 ml
Voltage	220 - 240 V/50 - 60 Hz	220 - 240 V/50 - 60 Hz	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

Item code

Item

**Filter components**



FB 5000

410.600 **Fluidised bed filter FB 5000**

Fluidised bed sand filter

The **FB 5000** fluidised 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 fluidised – 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 (c. 2,500 gallons).

Incl. 20 kg Quartz sand.

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



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 (c. 150 gallons) for between 3 - 6 months. The **phosphatfilter Fe** can be used for fresh- and saltwater aquaria.

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



NR 1000

410.750 **Nitratereducator NR 1000**

Denitrification filter for aquariums up to 1,000 litres (c. 250 gallons)

The Nitratereducator **NR 1000** is an anaerobic biological reactor for removing nitrates from marine and freshwater aquaria. It has a 10 l (c. 4.5 gal) volume and an internal circulation pump. The Nitratereducator **NR 1000** works with a flow rate of 1 to 4 l/h (c. 0.25 to 1 gph). The Nitratereducator **NR 1000** is a closed unit that can be integrated into filter systems, but may also be installed to stand alone under the aquarium. To monitor this process, it is possible to use a redox potential controller (ORP controller) in conjunction with an electrode inserted in the inbuilt PG 13.5 port or the Dosing pump **SP 1500** (supplied) can be connected for a fully controlled system.

Dimensions excluding electrode (l x w x h):

app. 17 x 17 x 54 cm (c. 7" x 7" x 22").

Recommended accessories: **Denimar**-powder and **Deniballs** to feed the anaerobic bacteria, pressure resistant mV (Redox or ORP) probe with PG 13.5 threaded connection.



NR 5000

410.850 **Nitratereducator NR 5000**

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

The Nitratereducator **NR 5000** uses the same biological principle as the smaller models. It has a volume of 30 l (c 7.5 gal) and is supplied with an internal circulation pump, plus the connection for a pressurised 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 (c. 3 - 8 gph).

Dimensions excluding electrode (l x w x h): app. 50 x 30 x 96 cm (c. 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.

Item code

Item

**Filter components**



**KR 1000**

**410.350 Calciumreactor KR 1000**

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

The Calciumreactor **KR 1000** is a closed system designed for universal use. It can be operated on a bypass system, independent of the water level in the aquarium, or alternatively be installed in the filter sump. The Calciumreactor **KR 1000** has an integral port to accommodate a PG 13.5 threaded electrode to measure the pH value and a **SP 3000** dosing pump for controlled water flow. Dimensions - without electrode (l x w x h): app. 17 x 17 x 54 cm (c. 7" x 7" x 22").

Recommended accessories: pressure resistant **pH probe** – long - threaded PG 13.5, **Hydrocarbonate** as refill.



**KR 5000**

**410.450 Calciumreactor KR 5000**

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

The Calciumreactor **KR 5000**, like our smaller models, is designed as a closed system. An integral pump provides internal water circulation. A PG 13.5 threaded port accepts a electrode for measuring and controlling the pH within the vessel. The reactor has a volume of 30 litres (c. 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 (c. 20" x 20" x 38.5"). Recommended accessories: pressure resistant **pH probe** – long - threaded PG 13.5, **Hydrocarbonate** as refill.



**KS 1000**

**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. The Kalkwasser stirrers are manufactured in 2 sizes:

Kalkwasser stirrer **KS 1000**: for aquariums up to 1,500 litres (c. 400 gal); dimensions: app. 11 cm Ø x 50 cm high, (c. 4.3" Ø x c. 20"), connection: 4/6 mm (c. 1/4") hose

Recommended accessories: **Niveumat** or **aquaniveau** with Dosing pump **SP 3000**



Item code	Item
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**Filter material**



filter bag

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



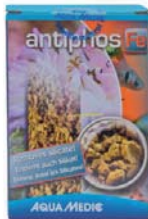
prefilter bag



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 c. 10 g phosphate/kg. Subject to the conditions 500 ml of **antiphos Fe** will treat a normally populated 300 l aquarium for c. 3 – 6 months.



- 11512 **carbolit** 500 g/1.25 l,  
1.5 mm Pellets (c. 1.1 lbs/125 gal)
- 12513 **carbolit** 400 g/1.25 l,  
4 mm Pellets (c. 0.9 lbs/100 gal)
- 11517 **carbolit** 5 l/3.5 kg,  
1.5 mm Pellets (c. 7.7 lbs/1 gal)
- 12517 **carbolit** 5 l/3 kg,  
4 mm Pellets (c. 6.6 lbs/1 gallons)
- 11516 **carbolit** 25 kg/62.5 l,  
1.5 mm Pellets (c. 55 lbs)
- 12516 **carbolit** 25 kg/62.5 l,  
4 mm Pellets (c. 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 (c. 6.25 gal)
- 410.81 **BactoBalls** 5 l bucket (c. 1.3 gal)
- 410.82 **BactoBalls** 15 l bucket (c. 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 m<sup>2</sup>/m<sup>3</sup> allows or a high concentration of active bacterial biomass.



BactoBalls

Item code

Item

**Filter material**



- 410.79 **sulfur pearls** 1 l
- 410.79-1 **sulfur pearls** 5 l 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 (c. 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 (c. 0.2 gal) each is enough to supply the **Nitrate-reductor** 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 (c. 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 (c. 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** sterilisers 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.



**Helix max 18 W**

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	bis 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/Std.	20 m³/Std.	30 m³/Std.	60 m³/Std.
Fresh water aquarium	10 - 20 m³	20 - 40 m³	50 - 70 m³	70 - 110 m³
Recommended max. flow	15 m³/Std.	30 m³/Std.	50 m³/Std.	70 m³/Std.
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.			1055 x 545	982 x 787

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

Item code

Item

Light - LED

83216050 **Qube 50**

**New**

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.



Qube 50

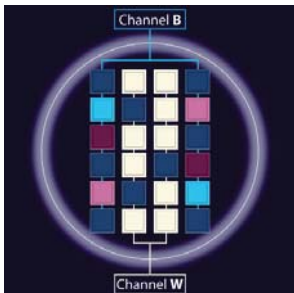


LED	cool white	12,000 K	9 pcs.
	royal blue	450 - 455 nm	9 pcs.
	sky blue	465 - 470 nm	2 pcs.
	violet	420 - 430 nm	2 pcs.
	UV	400 - 405 nm	2 pcs.

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
PAR value	1250 $\mu\text{mol m}^{-2}\text{s}^{-1}$
Total lumen	834 lm
Total consumption	50 watts max.
Power supply transformer	100 - 240 V/50 - 60 Hz
Power supply light	24 V



Item code	Item
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**Light - LED**

- 83010012 **spectrus 60**
- 83010013 **spectrus 90**

LED aquarium light for saltwater aquaria  
The **spectrus** with its ultra-slim design, in combination with a perfectly balanced light spectrum is the ideal lighting solution for your aquarium.

Latest Wi-Fi technology allows for convenient and easy control by your smartphone or tablet. The free Aqua Medic app gives you almost unlimited possibilities by the 6-channel controller to adjust the lighting, power and colour variation perfectly to the needs of your animals.

**Equipment:**

- 6-channel controller for the light colours, high-power CREE LEDs.
- Unique simulation of cloud movement and thunderstorms, programmable.
- Wi-Fi control for smartphone or tablet by a free app, available for IOS in iTunes Store and Android in the Google Playstore
- Manual control directly on the LED lamp is possible without app
- Ultra-slim housing made of aluminium
- Temperature-controlled active cooling by a super-silent fan
- Fixing of the LED lamp either by a holder directly at the aquarium or by the steel wire suspension **aquafit 4**. (Both system are included).
- A high-power supply unit (Meanwell) ensures a constant and safe power supply.

**Standard kit:**

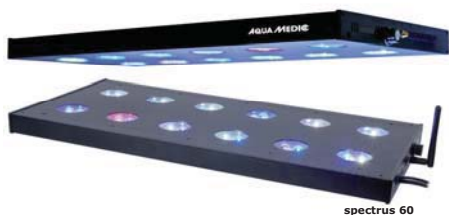
<b>spectrus 60</b>					
Channel 1	white	7000 - 8300 K	5 W	16 pcs.	
Channel 2	blue	465 - 485 nm	3 W	8 pcs.	
Channel 3	royal blue	450 - 465 nm	5 W	6 pcs.	
Channel 4	UV	405 - 410 nm	3 W	2 pcs.	
Channel 5	violet	420 - 430 nm	3 W	2 pcs.	
Channel 6	red	620 - 630 nm	3 W	2 pcs.	

<b>spectrus 90</b>					
Channel 1	white	7000 - 8300 K	5 W	18 pcs.	
Channel 2	blue	465 - 485 nm	3 W	10 pcs.	
Channel 3	royal blue	450 - 465 nm	5 W	8 pcs.	
Channel 4	UV	405 - 410 nm	3 W	4 pcs.	
Channel 5	violet / red	420 - 430 nm + 620 - 630 nm	3 W	3 pcs./3 pcs.	
Channel 6	green	520 - 535 nm	3 W	2 pcs.	

There are lenses with 120° scattering angle installed.

<b>Technical data</b>	<b>spectrus 60</b>	<b>spectrus 90</b>
Total consumption	160 watts max.	210 watts max.
Dimensions (housing)	app. 560 x 265 x 32 mm	app. 880 x 265 x 32 mm
Weight	app. 5.5 kg	app. 7.8 kg
Number of light channels	6	6
Number of light colours	6	7
Fitting for Aquariums with length	app. 580 - 1000 mm	app. 900 - 1300 mm
Lighting area max.	app. 1000 x 650 mm	app. 1300 x 650 mm
Total lumen	app. 3500 lm	app. 4350 lm

- 83010100 **LED white cree XTE 7000 - 8300K 5 W**
- 83010101 **LED Blue cree XPE 465 - 485 nm 3 W**
- 83010102 **LED Royal blue XPE cree 450 - 460 nm 5 W**
- 83010103 **LED UV 3535 405 - 410nm 3 W**
- 83010104 **LED Violet 3535 420 - 430nm 3 W**
- 83010105 **LED red cree XPE 620 - 630nm 3 W**
- 83010106 **LED green cree XPE 520 - 535 nm 3 W**
- 83010107 **LED daylight XTE 2200-2700K 5W**
- 83010108 **LED daylight XTE 6000-7000K 5W**



spectrus 60



spectrus 90



Item code	Item
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**Light - LED**



Ocean Light LED 36 W

- 86611 **Ocean Light LED 18 W/30 cm**
- 86612 **Ocean Light LED 36 W/60 cm**
- 86613 **Ocean Light LED 54 W/90 cm**
- 86614 **Ocean Light LED 72 W/120 cm**

- 86622 **Ocean Light LED twin 2 x 18 W/30 cm**
- 86624 **Ocean Light LED twin 2 x 36 W/60 cm**
- 86625 **Ocean Light LED twin 2 x 54 W/90 cm**
- 86626 **Ocean Light LED twin 2 x 72 W/120 cm**



Ocean Light LED

LED aquarium shadow column for sea water aquariums

The **Ocean Light LED** is equipped with high performance LEDs á 3 watt. Through the use of white and blue LEDs arises a colour temperature of app. 14.000 K. The integrated lenses, which are produced with high optical precision, arrange for a absolute plain illumination level.

The shapely body of the **Ocean Light LED** is made of silver-grey anodized, sea water resistant aluminium. The heat conductive construction allows an operation without ventilators.

Therefore the light is completely noiseless. An appropriate fitting, which is adjustable to the length of the aquarium, could be attached to the sides or the aquarium frame and is included in delivery. Available as an option: **aquafit 3**.



Ocean Light LED twin

Technical data:

- 3 Watt high performance LEDs
- light efficiency app. 120 Lumen/watts
- colour temperature 14.000 K
- safety voltage 24 V with external power supply unit

Versions	LEDS	Dimensions (l x w x h) app.	Fitting adjustable for Aquariums/length
<b>Ocean Light LED 18 W</b>	2 x 3 Watt blue and 4 x 3 Watt 12.000 K	30 x 12 x 2,5 cm	30 - 50 cm
<b>Ocean Light LED 36 W</b>	4 x 3 Watt blue and 8 x 3 Watt 12.000 K	60 x 12 x 2,5 cm	60 - 80 cm
<b>Ocean Light LED 54 W</b>	6 x 3 Watt blue and 12 x 3 Watt 12.000 K	90 x 12 x 2,5 cm	90 - 110 cm
<b>Ocean Light LED 72 W</b>	8 x 3 Watt blue and 16 x 3 Watt 12.000 K	120 x 12 x 2,5 cm	120 - 140 cm
<b>Ocean Light LED twin 2 x 18 W</b>	4 x 3 Watt blue and 8 x 3 Watt 12.000 K	30 x 21 x 2,5 cm	30 - 50 cm
<b>Ocean Light LED twin 2 x 36 W</b>	8 x 3 Watt blue and 16 x 3 Watt 12.000 K	60 x 21 x 2,5 cm	60 - 80 cm
<b>Ocean Light LED twin 2 x 54 W</b>	12 x 3 Watt blue and 24 x 3 Watt 12.000 K	90 x 21 x 2,5 cm	90 - 110 cm
<b>Ocean Light LED twin 2 x 72 W</b>	16 x 3 Watt blue and 32 x 3 Watt 12.000 K	120 x 21 x 2,5 cm	120 - 140 cm

**Clearance item – while quantities last.**

83200001 **Ocean Light LED Control**



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.**

86608 **Y-cable**



Y-cable

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

Item code

Item

**Light - LED**



Control cable

86604 **Control cable**

Control cable for connecting the **Ocean Light LED** to the **sunrise control**. Up to 3 **Ocean Light LED** lamps can be connected to the **sunrise control**. A separate control cable is necessary for every additional **Ocean Light LED**. Cable length: 1,75 m



sunrise control

83200000 **sunrise control**

Programmable light control with PWM for e.g. **aquareefLED/Ocean Light LED**

- Four separately programmable and dimmable channels, for example white & blue LEDs, moonlight & cloud movement
- Up to 3 **aquareefLEDs/Ocean Light LED** are controllable at the same time
- 10 control programmes are pre-programmed and can be changed with the included software **DimEdit**
- No installation on the PC is required
- Software update is possible online via USB
- 24 V, low voltage for safety
- Cable with stereo jack (control cable) for one **aquareefLED** is already included.

Available as an option: **Control cable** for **Ocean Light LED**.



aquasunLED

83214100 **aquasunLED 100 W dark silver**  
 83214150 **aquasunLED 150 W dark silver**  
 83214200 **aquasunLED 200 W dark silver**  
 83214300 **aquasunLED 300 W dark silver**

LED aquarium light for saltwater aquaria  
 Programmable light control for Sunrise/Sunset, moonlight and cloud movement.

The 100 watt and 150 watt versions have got 1 watt high-power LEDs. (70 % 1 watt white LEDs app. 12,000 K and 30 % 1 watt blue LEDs)  
 The 200 watt and 300 watt versions have got 3 watt high-power LEDs. (66 % 3 watt white LEDs app. 12,000 K and 33 % 3 watt blue LEDs)  
 The light is equipped with a programmable computer control. The light channels for white LEDs, blue LEDs, moonlight and cloud movement are separately controlled by pulse width modulation that makes natural lighting possible. Even a cycle for moon phase is taken into account.  
 The housing is made of saltwater resistant high-quality anodized aluminium. The special construction with passive cooling makes it possible to operate the light without fans, making the unit very quiet.

Technical data:  
 - luminous efficiency app. 120 lumen/watt  
 - colour temperature app. 14,000 K  
 - For safety 24 V with external power pack  
 - incl. steel wire suspension **aquafit 3**  
 - computer control with USB connection for timer and dimming

Light control:  
 - USB-connection for PC  
 - Software "DimEdit" for Windows is included, no installation on the PC is required.  
 - 10 control programmes are pre-programmed and can be changed individually with the included software „DimEdit“. A software update will be possible online.  
 - 4 separately programmable and dimmable channels for white LEDs, blue LEDs, moonlight and cloud movement.

Dimensions:  
**aquasunLED 100 and 200 watt:** app. 84.5 x 36 x 5.5 cm (l x w x h)  
**aquasunLED 150 and 300 watt:** app. 124.5 x 36 x 5.5 cm (l x w x h)

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-proofed 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 10.000 lumen and of the 200 W light 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-proofed body on the light. The control gear (Meanwell) could be dimmed with a PWM control- e.g. with the Aqua Medic **sunrise control LEDspot**.

The **LEDspots** will be cooled passive 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.

83400000 **sunrise control for LEDspot and LEDspot flex** 200 W

**sunrise control** with special control cable and inverted program for dimming the Aqua Medic **LEDspots**. With one additional control cable each, two more **LEDspots** can be dimmed.

83400001 **Control cable LEDspot and LEDspot flex** 200 W

Control cable for connecting the Aqua Medic **LEDspots** to the **sunrise control LEDspot**

Up to 3 **LEDspots** can be connected to the **sunrise control LEDspot**.

A separate control cable is necessary for each spot.

**Will be mounted in the factory.**



sunrise control



Item code

Item

Light - LED



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**.

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 lense to 90°. By an optional manual dimming, the **Potentiometer** (incl. approx. 7.50 m cable) both light channels can be adjusted optimal to the individual needs.

A holder for the ceiling is included.

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:	60°, (90°, 120°)



LEDspot 200 W flex

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, the **Potentiometer** (incl. approx. 7.50 m cable) both light channels can be adjusted optimal to the individual needs.

A holder for the ceiling is included.

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° / optional 90°



LEDspot 400 W flex

83414210 Potentiometer LEDspot 200 W/400 W flex

Manual dimming for **LEDspot 200 W/400 W 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.



Potentiometer

Item code	Item
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**Light - LED**



aquasunspot 3 x 1



aquasunspot 7 x 1

- 83314003 **aquasunspot** 3 x 1
- 83314007 **aquasunspot** 7 x 1
- 83314012 **aquasunspot** 12 x 1
- 83314303 **aquasunspot** 3 x 3

- 83315003 **aquasunspot** 3 x 1 blue
- 83315007 **aquasunspot** 7 x 1 blue
- 83315012 **aquasunspot** 12 x 1 blue
- 83315303 **aquasunspot** 3 x 3 blue



aquasunspot 12 x 1



aquasunspot 3 x 3



aquasunspot 3 x 1 blue



aquasunspot 7 x 1 blue



aquasunspot 12 x 1 blue



aquasunspot 3 x 3 blue

LED Spot light for saltwater aquaria

**aquasunspot** are constructed using 1 or 3 watt power LEDs. The combination of white (**10000 K**) and blue LEDs results in a perfect colour spectrum for coral reef aquariums. The light efficiency is c. **90 lumen/watts**. **aquasunspot blue**: Same features as **aquasunspot** but provided with just blue LEDs instead of white & blue LEDs. Can be used as blue additional lighting or moonlight. **aquasunspot 3** can be used in standard light fittings usually used for 12 V halogen lamps with a 2 pin socket. **aquasunspot 7** and **aquasunspot 12** can be used in light fittings using the E27 socket; **aquasunspot 12** is also compatible with PAR lamps.

Technical data:

aquasunspot	watts	LED	
3 x 1	3	2 white/1 blue	2 pins base GU 5.3/MR 16, 12 V ~ or =, Ø 5 cm
7 x 1	7	4 white/3 blue	base E27, 230 V/50 Hz, Ø 9,2 cm
12 x 1	12	8 white/4 blue	base E27, 230 V/50 Hz, Ø 12 cm
3 x 3	9	2 white/1 blue	2 pins base GU 5.3/MR 16, 12 V ~ or =, Ø 5 cm
3 x 1 blue	3	3 blue	2 pins base GU 5.3/MR 16, 12 V ~ or =, Ø 5 cm
7 x 1 blue	7	7 blue	base E27, 230 V/50 Hz, Ø 9,2 cm
12 x 1 blue	12	12 blue	base E27, 230 V/50 Hz, Ø 12 cm
3 x 3 blue	9	3 blue	2 pins base GU 5.3/MR 16, 12 V ~ or =, Ø 5 cm



aquamoonLED

**83314001 aquamoonLED**

Night light for Aquariums

The **aquamoonLED** is equipped with a **aquasunspot 3 x 1 blue** with 3 W with a deep blue fluoresce light radiation. The use of such a moonlight allows the observance of nocturnal animals and reduces the easily startling of the fishes it also avoids that the fishes jump out by night. Also the reproduction and the growth of corals will be influenced by the moonlight. The **aquamoonLED** is conducted by a 12 V safety voltage. The LEDs of the **aquasunspot 3 x 1 blue** have a durability of 50.000 Hrs. A 12 V transformer and a appropriate holder with mounting clip for glass panels of 6 – 8 mm glass size are included in delivery. Measurement: app. 10 x 5 x 10 cm (l x w x h)

Item code

Item

**Light - T5**



Ocean Light T5



T5 reflector



Without bulbs, colour: black

- 83841-1 **Ocean Light T5 4 x 24 W**
- 83842-1 **Ocean Light T5 4 x 39 W**
- 83862-1 **Ocean Light T5 6 x 39 W**
- 83863-1 **Ocean Light T5 6 x 54 W**
- 83882-1 **Ocean Light T5 8 x 39 W**
- 83883-1 **Ocean Light T5 8 x 54 W**

Super-flat aquarium luminaries system for T5 tubes

Aluminium housing - powder coated, holding unit to mount the light system on top of the aquarium, optionally equipped with Aqua Medic **aquafit 2** steel wire hanging system, equipped with high performance reflectors, equipped with LED moonlight (separately switchable). 2 electric circuits offer 2 different time settings.

Dimensions (l x w x h):

4 x 24 W: app. 68 x 23.3 x 5 cm, 4 x 39 W: app. 97.5 x 23.3 x 5 cm,  
6 x 39 W: app. 97.5 x 29.3 x 5 cm, 6 x 54 W: app. 125.5 x 29.3 x 5 cm,  
8 x 39 W: app. 97.5 x 35.3 x 5 cm, 8 x 54 W: app. 125.5 x 35.3 x 5 cm

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**

- 88700 **aqualine T5 Reef Blue 24 W** 55 cm (c. 22")
- 88701 **aqualine T5 Reef Blue 39 W** 85 cm (c. 34")
- 88702 **aqualine T5 Reef Blue 54 W** 115 cm (c. 46")
- 88703 **aqualine T5 Reef Blue 80 W** 145 cm (c. 58")

**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 (c. 22")
- 88711 **aqualine T5 Reef White 15K 39 W** 85 cm (c. 34")
- 88712 **aqualine T5 Reef White 15K 54 W** 115 cm (c. 46")
- 88713 **aqualine T5 Reef White 15K 80 W** 145 cm (c. 58")

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**.

Item code

Item

**Light - T5**



- 88720 **aqualine T5 Reef White 10K 24 W** 55 cm (c. 22")
- 88721 **aqualine T5 Reef White 10K 39 W** 85 cm (c. 34")
- 88722 **aqualine T5 Reef White 10K 54 W** 115 cm (c. 46")
- 88723 **aqualine T5 Reef White 10K 80 W** 145 cm (c. 58")

**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.

**Light - Metal halide**

Please should be added to the luminaire part number, to complete order confirmation:

**-1 black, -3 RAL-number from our colour card, -4 silver.**



- 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



**aquasunlight NG**

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

- 80423 **Sylveo 2 250 W cw**
- 80424 **Sylveo 2 400 W cw**



**Sylveo 2**

Splash proof luminaries for metal halide lamps. Aquarium lights in a splash-proofed aluminium housing. All the control gear is mounted within the aluminium housing. Models are available for 250 and 400 watts metal halide bulbs and **aqualine 10000** lamps are included.

**Sylveo 2 250 W** and **Sylveo 2 400 W**: app. 41.9 x 44.9 x 17.1 cm (l x w x h), silver power coated, protection class IP 65. **Other wattages available on demand.**

Item code

Item

**Light - Metal halide**



- 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.

- 80974 **Colorlite 400 W** blue
- 80975 **Colorlite 1000 W** blue

Item code	Item
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**Accessories Light**

Suspension	Aqua Medic light system
<b>aquafit</b>	aquaspacelight 400 aquasunlight NG aquastarlight T5 Ocean Light T5 sunbeam
<b>aquafit 2</b>	asquareefLED aquasunLED Ocean Light T5
<b>aquafit 3</b>	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 lightning 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 the height and the angle of unit.



80402 **aquafit 3**

**Steel Wire Suspension**

Suitable for Aqua Medic **Ocean Light LED** 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.

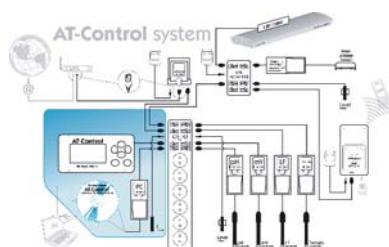
**aquafit 3** consists of 2 pieces of 2 metre stainless steel wire with stopper, ceiling plate with retaining bush, steel wire with height and angle adjustment unit attached, screws and plugs. The suspension kit allows fixing of the light unit to a suitable ceiling and provides easy adjustment in both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



Item code

Item

**Measurement and control technology**



- 78000 **AT-Control system set** incl. **Interface USB & Temperature sensor**
- 78005 **Power Box**
- 78033 **Interface pH**
- 78032 **Interface mV**  
Electrodes & test fluids see page 50.
- 78034 **Interface Level + Temperature**
- 78054 **Temperature probe**
- 78056 **Level Sensor cpl.**
- 78030 **Interface Conductivity**
- 78050 **Conductivity Probe**
- 78031 **Interface Density**
- 78051 **Density Probe**
- 78051-2 **Calibration liquid 52 mS 50 ml for AT-Control**
- 78036 **Ethernet module**  
Connection for the **AT-Control** to the Internet for online-control of the aquarium
- 78037 **Interface USB**  
Connection for your PC.
- 78047 **Active Hub**  
Additional 6 pcs. USB-connections **AT-Control**
- 78039 **SMS Module**  
By the aid of the **SMS module**, the **AT-Control** can send alerts and notification of emergent to your mobile phone.
- 78038 **Interface Water Leakage**  
Connection for up to two water leakage sensor
- 78058 **Water leakage sensor**
- 230.00 **Electrode holder**

A centralised microprocessor controller for aquariums, terrariums or other applications

**AT-Control** can measure and control pH, ORP (Redox potential), temperature, conductivity, water level and using the numerous timed circuits, lighting, dosing etc. Programming and control can also be undertaken using a PC via an USB connection. The system is modular in arrangement. It can be enlarged from a basic module to a complete control unit for several aquariums. All the modules are interconnected via USB ports. The data can be downloaded to a PC and shown graphically.

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.



Titanium heater

- 110.010 **Titanium heater 100 W** for aquaria up 100 - 250 l, length: app. 27 cm (c. 10.6")
- 110.020 **Titanium heater 200 W** for aquaria up 250 - 500 l, length: app. 28 cm (c. 11")
- 110.030 **Titanium heater 300 W** for aquaria up 500 - 1,000 l, length: app. 30 cm (c. 11.8")
- 110.050 **Titanium heater 500 W** for aquaria up 1,000 - 1,500 l, length: app. 32 cm (c. 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 seawater 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 CO<sub>2</sub> system and a solenoid valve the pH can be maintained at a constant level, and the CO<sub>2</sub> 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.



pH-control-Set

200.50 **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
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**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  $\mu$ 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  $\pm 0.1$  °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:  $\pm 1$  °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 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.



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 **Nitratereducter** 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.



Item code

Item

**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  $\pm 0.1$  °C. In the "cooling" mode, the accuracy is  $\pm 0.5$ °C. The maximum operating power is 1,000 watts for heaters and 600 watts for coolers.



**77113 aquaniveau with 1 switch**  
**77114 aquaniveau with 2 switch**

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. One switch controls the pumping from a storage vessel (not supplied), the other, if opted for, provides protection to prevent the top up pump (not supplied) from running dry. As maximum/minimum contact to control reverse osmosis units, in conjunction with a solenoid valve. Both level switches are low voltage.



**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 count in the water decreases, minimising the risk of ill health in 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.

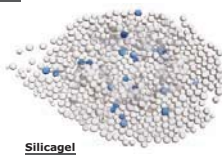
	<b>Ozone 25</b>	<b>Ozone 50</b>	<b>Ozone 100</b>	<b>Ozone 200</b>	<b>Ozone 300</b>
Ozone output in mg/h	2 - 25	5 - 50	10 - 100	50 - 200	50 - 300
Continuously adjustable %	0 - 100	0 - 100	0 - 100	0 - 100	0 - 100
Power consumption/watt	3	3,6	4,8	6	10
Air flow rate l/h	30 - 500	30 - 500	50 - 500	100 - 500	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



**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 blue to pink.



**12730 Silicagel 1 l**

**Ozone Booster - Refill**

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

Item code

Item

**Measurement and control technology**

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



Electronic shut off valve for CO<sub>2</sub>-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 CO<sub>2</sub> units. The solenoid coil consumes only 2.5 watts of electrical energy to prevent overheating.

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.

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

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 the closed versions of the Nitratereductors **NR 400** and Calciumreactors **KR 400**. These electrodes are available in a short version for the Calciumreactor **KR 1000** and the Nitratereductor **NR 1000**.



- 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

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
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**Reverse osmosis**



- 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 (c. 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.



- 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 (c. 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. We TFC (Polyamide / Polysulfone) membranes 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 c. 2,000 l/day (c. 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 c. 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.

**Accessories for easy line & premium line**



- 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.



- U605.60 Membrane 90 l / day
- U605.65 Membrane 150 l / day
- 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



- U606.10 Combined filter cartridge carb./sed. 10" housing for premium line
- U606.15 Activated carbon filter cartridge 10" housing for premium line

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

Item code

Item

**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**

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.

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)



rubber sucker twin

501.81 **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



Trap-pest



aquaspoon

microscope



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.

65940 **microscope**

Pocket microscope with illumination

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

**New**

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 (c. 8.6" x 5.9")
- 429.02 **filter bag 2**, 2 pcs., 22 x 30 cm (c. 8.6" x 11.8")
- 429.03 **filter bag 3**, 2 pcs., 22 x 45 cm (c. 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.

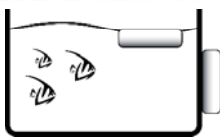


- 67021 **Mega Mag S**
- 67022 **Mega Mag M**
- 67023 **Mega Mag L**

Magnetic glass cleaners for panes between 6 and 18 mm (c. 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 (c. 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 (c. 0.4" – 0.75")

**Mega Mag 2** for glass from 15 – 32 mm (c. 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 c. 2 oz) sticks
- 420.61 **Reef Construct**, 1008 g, 18 x 56 g (18 x c. 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

**New**

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



Item code

Item

**aqua tools**



defroster

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.



frag board

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.



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

Frag stones



hopstop

418.12 **hopstop**

**New**

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.



hose clip

410.38 **hose clip** Ø 5 - 6 mm

410.39 **hose clip** Ø 6 - 7 mm

**New**

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



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



68010 **Shot Extension**  
68011 **Shot Injector** (10 pcs.)

Syringe with extension to eradicate aiptasia and glass anemones or other nuisance organisms simply in saltwater aquaria.



Coral holder

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.



Item code

Item

**Filter accessories**

415.80 **aqua grid**



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 interconnect 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.**

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 (c. 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 (c. 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 (c. 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 (c. 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, (c. 12.8")

418.05 **Overflow comb with holder 50 cm**

**New** **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).

418.06 **combfix 6 pcs.**

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

415.31 **Round grate 40 mm black**

415.41 **Round grate 40 mm transparent**

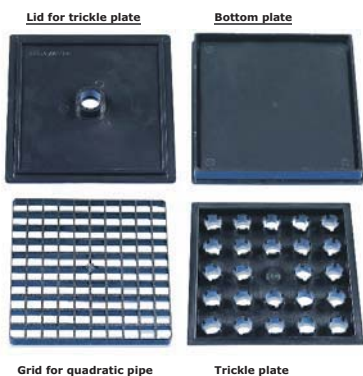
415.32 **Round grate 50 mm black**

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 (c. 1.6", 2" and 2.5")



Lid for trickle plate

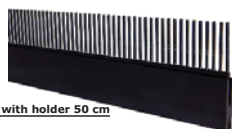
Bottom plate

Grid for quadratic pipe

Trickle plate



Overflow comb with holder 32 cm



Overflow comb with holder 50 cm



combfix



Round grate

Item code

Item

**Filter accessories**



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**
- 418.25 **Outlet strainer 25 mm**
- 418.32 **Outlet strainer 32 mm**
- 418.40 **Outlet strainer 40 mm**
- 418.50 **Outlet strainer 50 mm**
- 418.63 **Outlet strainer 63 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 **Nitratoreductor** and the **Calciumreactor**.

Item code	Item
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**Filter accessories**



- 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

**New**

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



Regulation valve FBS

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. **Nitratreductor** and **Calciumreactor**).



Regulation valve 4/6



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 (Nitratreductor 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.



Non-return valve



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**



Fish Box small

- 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 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.



Fish Box small with handle



# Süßwasser Freshwater Eau Douce

**AQUA MEDIC**

2016

Stand  
Valid From 07/2016  
Valable au

Item code	Item
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**Aquaria**



ECOplant Formosa 50



Formosa 50

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

Freshwater aquarium incl. stainless steel pot filter

- Aquarium constructed from optically prime white glass.
- Incl. stainless steel pot filter **aquafresh 50**, pre-filter 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 **ECOplant Formosa 50** with 2 x 18 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

	LEDs 6,500 K, white	LEDs 3,500 K, white	Dimensions (l x w x h) app.	Fitting adjustable for Aquariums/length
<b>ECOplant LED max. 2 x 18 W</b>	8 pcs.	4 pcs.	30 x 21 x 2,5 cm	30 - 50 cm

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

**Accessories Aquaria**



Holder 88 mm

- 86606 Holder 88 mm / pair
- Bearing rail for aquaria light



hopstop

- 418.12 **hopstop**
- New** 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 sea water. It's formulation is suited to both, fish and invertebrates. It's regular use enhances growth, strengthens the immune system and increases the willingness to spawn.

Item code

Item

**Plankton**

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 feed. 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 (c. 3.24"). Length: app. 52 cm (c. 17"). Hose connection: 6 mm (c. 1/4"), air pump **Mistral 50 ECO**



aquabreed complete

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 (c. 0.65 gal), wall bracket and connections for air pump. Ø 8 cm (c. 3.2"). Length: 80 cm (c. 32"). Hose connection: 6 mm (c. 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 CO<sub>2</sub>. The micro-algae can be fed directly to many filter-feeding invertebrates, and especially to zooplankton. The growth rate of the micro-algae in the **plankton light reactor** is enormous. If the supply of light, CO<sub>2</sub> 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 (c. 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 (c. 3.2"). Length: app. 80 cm (c. 32"). Hose connection: 6 mm, (c. 1/4")

**Algal resources**

- 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.

65940 **microscope**

Pocket microscope with illumination

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

**New**



microscope



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 sea 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 sea 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 craw/ 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
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**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.



- 21138 **volcanit** 5 kg

Freshwater aquarium gravel

**volcanit** is a pH-neutral aquarium gravel of volcanic origin. The fine pore structure of the gravel encourages bacterial activity that enhances the biological release of nutrients from within the gravel. The results are superb plant growth. **volcanit** is mixed with 10 % ferrolit, a natural long term iron fertilizer derived from Laterite. The resultant black and red colour enhances the beauty of the aquarium plants and the hues of the fish.

**Pumps - Air pumps**



Mistral 50 ECO

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



Mistral 200



Mistral 300

Type:	Mistral 50 ECO	Mistral 200	Mistral 300
Power requirements:	220 V, 50/60 Hz	230 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



Mistral 4000

Type:	Mistral 2000	Mistral 4000
Power requirements:	220 - 240 V~, 50/60 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**



aquafresh 50

500.35 **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** - available from autumn 2016

**New**



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 9/12 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 3700** 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 steriliser as well as the top up system **Refill-System**. 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**
- 502.75 **Refill-System**

Item code

Item

**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 tub, 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	app. 80 x 60 x 380 mm	app. 100 x 100 x 465 mm
Filling quantity	app. 150 ml	app. 350 ml	app. 650 ml
Voltage	220 - 240 V/50 - 60 Hz	220 - 240 V/50 - 60 Hz	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

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 (c. 150 gallons) for between 3 - 6 months. The **phosphatfilter Fe** can be used for fresh- and saltwater aquaria. Ø app. 8 cm (c. 3.2"), length app. 24 cm (c. 9.45"), hose connection: 12 and 16 mm



phosphatfilter FE

410.750 Nitratereducator **NR 1000**

Denitrification filter for aquariums up to 1,000 litres (c. 250 gallons)

The Nitratereducator **NR 1000** is an anaerobic biological reactor for removing nitrates from marine and freshwater aquaria. It has a 10 l (c. 4.5 gal) volume and an internal circulation pump. The Nitratereducator **NR 1000** works with a flow rate of 1 to 4 l/h (c. 0.25 to 1 gph). The Nitratereducator **NR 1000** is a closed unit that can be integrated into filter systems, but may also be installed to stand alone under the aquarium. To monitor this process, it is possible to use a redox potential controller (ORP controller) in conjunction with an electrode inserted in the inbuilt PG 13.5 port or the Dosing pump **SP 1500** (supplied) can be connected for a fully controlled system. Dimensions excluding electrode (l x w x h): app. 17 x 17 x 54 cm (c. 7" x 7" x 22"). Recommended accessories: **Denimar**-powder and **Deniballs** to feed the anaerobic bacteria, pressure resistant mV (Redox or ORP) probe with PG 13.5 threaded connection.



NR 1000

Item code

Item

**Filter material**



- 429.01 **filter bag 1**, 2 pcs., 22 x 15 cm (c. 8.6" x 5.9")
- 429.02 **filter bag 2**, 2 pcs., 22 x 30 cm (c. 8.6" x 11.8")
- 429.03 **filter bag 3**, 2 pcs., 22 x 45 cm (c. 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 c. 10 g phosphate/kg. Subject to the conditions 500 ml of **antiphos Fe** will treat a normally populated 300 l aquarium for c. 3 – 6 months.



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



BactoBalls

- 410.80 **BactoBalls** 25 l box (c. 6.25 gal)
- 410.81 **BactoBalls** 5 l bucket (c. 1.3 gal)
- 410.82 **BactoBalls** 15 l bucket (c. 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 m<sup>2</sup>/m<sup>3</sup> allows or 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 (c. 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 (c. 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 (c. 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 (c. 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**



**Helix Max 18 W**

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

**Helix Max UV** sterilisers 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	bis 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

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**



83010012 **spectrus 60**  
 83010013 **spectrus 90**

LED aquarium light for fresh- and saltwater aquariums  
 The **spectrus** with its ultra-slim design, in combination with a perfectly balanced light spectrum is the ideal lighting solution for your aquarium.

Latest Wi-Fi technology allows for convenient and easy control by your smartphone or tablet. The free Aqua Medic app gives you almost unlimited possibilities by the 6-channel controller to adjust the lighting, power and colour variation perfectly to the needs of your animals.

**Equipment:**

- 6-channel controller for the light colours, high-power CREE LEDs.
- Unique simulation of cloud movement and thunderstorms, programmable.
- Wi-Fi control for smartphone or tablet by a free app, available for IOS in iTunes Store and Android in the Google Playstore
- Manual control directly on the LED lamp is possible without app
- Ultra-slim housing made of aluminium
- Temperature-controlled active cooling by a super-silent fan
- Fixing of the LED lamp either by a holder directly at the aquarium or by the steel wire suspension **aquafit 4**. (Both system are included).
- A high-power supply unit (Meanwell) ensures a constant and safe power supply.

**Standard kit:**

<b>spectrus 60</b>					
Channel 1	white	7000 - 8300 K	5 W	16 pcs.	
Channel 2	blue	465 - 485 nm	3 W	8 pcs.	
Channel 3	royal blue	450 - 465 nm	5 W	6 pcs.	
Channel 4	UV	405 - 410 nm	3 W	2 pcs.	
Channel 5	violet	420 - 430 nm	3 W	2 pcs.	
Channel 6	red	620 - 630 nm	3 W	2 pcs.	

<b>spectrus 90</b>					
Channel 1	white	7000 - 8300 K	5 W	18 pcs.	
Channel 2	blue	465 - 485 nm	3 W	10 pcs.	
Channel 3	royal blue	450 - 465 nm	5 W	8 pcs.	
Channel 4	UV	405 - 410 nm	3 W	4 pcs.	
Channel 5	violet / red	420 - 430 nm + 620 - 630 nm	3 W	3 pcs./3 pcs.	
Channel 6	green	520 - 535 nm	3 W	2 pcs.	

There are lenses with 120° scattering angle installed.

<b>Technical data</b>	<b>spectrus 60</b>	<b>spectrus 90</b>
Total consumption	160 watts max.	210 watts max.
Dimensions (housing)	app. 560 x 265 x 32 mm	app. 880 x 265 x 32 mm
Weight	app. 5.5 kg	app. 7.8 kg
Number of light channels	6	6
Number of light colours	6	7
Fitting for Aquariums with length	app. 580 - 1000 mm	app. 900 - 1300 mm
Lighting area max.	app. 1000 x 650 mm	app. 1300 x 650 mm
Total lumen	app. 3500 lm	app. 4350 lm



spectrus 60



spectrus 90



- 83010100 **LED white cree XTE 7000 - 8300K 5 W**
- 83010101 **LED Blue cree XPE 465 - 485 nm 3 W**
- 83010102 **LED Royal blue XPE cree 450 - 460 nm 5 W**
- 83010103 **LED UV 3535 405 - 410nm 3 W**
- 83010104 **LED Violet 3535 420 - 430nm 3 W**
- 83010105 **LED red cree XPE 620 - 630nm 3 W**
- 83010106 **LED green cree XPE 520 - 535 nm 3 W**
- 83010107 **LED daylight XTE 2200-2700K 5W**
- 83010108 **LED daylight XTE 6000-7000K 5W**

Item code	Item
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**Light - LED**



ECOplant LED 2 x 18 W



ECOplant LED



ECOplant LED 2 x 18 W

- 87611 **ECOplant LED max. 18 W/30 cm**
- 87612 **ECOplant LED max. 36 W/60 cm**
- 87613 **ECOplant LED max. 54 W/90 cm**
- 87622 **ECOplant LED twin max. 2 x 18 W/30 cm**

LED aquarium light for fresh water aquaria

The **ECOplant LED** is equipped with high performance LEDs à 3 watt. By using LEDs of 6500 K and 3500 K, there is a colour temperature similar to daylight of app. 5500 K. The integrated lenses with 70° beam angle ensure an absolute plain illumination level. The housing is made of silver-grey anodized aluminum. The heat conductive construction allows an operation without fans. Therefore, the light is completely silent. A fitting (included in shipment) adjustable in height can be attached to the sides of the aquarium. The lamp has been designed especially for use above plant aquaria.

**Ocean Light LED Control** is available as an accessory. By this controller, moonlight and sunrise can be simulated. Available as an option: **aquafit 3**.

Technical data:

- 3 Watt high performance LEDs
- colour temperature 5,500 K
- safety voltage 24 V with external power supply unit

Versions	LEDs 6,500 K, white	LEDs 3,500 K, white	Dimensions (l x w x h) app.	Fitting adjustable for Aquariums/length
<b>ECOplant LED max. 18 W</b>	4 pcs.	2 pcs.	30 x 12 x 2,5 cm	30 - 50 cm
<b>ECOplant LED max. 36 W</b>	8 pcs.	4 pcs.	60 x 12 x 2,5 cm	60 - 80 cm
<b>ECOplant LED max. 54 W</b>	12 pcs.	6 pcs.	90 x 12 x 2,5 cm	90 - 110 cm
<b>ECOplant LED max. 2 x 18 W</b>	8 pcs.	4 pcs.	30 x 21 x 2,5 cm	30 - 50 cm

83200001 **Ocean Light LED Control**



Ocean Light LED Control

Programmable controller for **ECOplant LED** light fixtures

- Two independently programmable / dimmable channels, for white and blue LEDs (sunrise, sunset and moonlight).
- Optional Y-cable is available meaning up to 3 **ECOplant 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 **ECOplant 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.**

86608 **Y-cable**



Y-cable

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

86604 **Control cable**



Control cable

Control cable for connecting the **ECOplant LED** to the **sunrise control**. Up to 3 **ECOplant LED** lamps can be connected to the **sunrise control**. A separate control cable is necessary for every additional **ECOplant LED**.  
**sunrise control - See page 42.**  
Cable length: 1,75 m

Item code

Item

**Light - T5**



T5 reflector



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**

- 88720 **aqualine T5 Reef White 10K 24 W** 55 cm (c. 22")
- 88721 **aqualine T5 Reef White 10K 39 W** 85 cm (c. 34")
- 88722 **aqualine T5 Reef White 10K 54 W** 115 cm (c. 46")
- 88723 **aqualine T5 Reef White 10K 80 W** 145 cm (c. 58")

**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 (c. 22")
- 88731 **aqualine T5 Plant Grow 39 W** 85 cm (c. 34")
- 88732 **aqualine T5 Plant Grow 54 W** 115 cm (c. 46")
- 88733 **aqualine T5 Plant Grow 80 W** 145 cm (c. 58")

**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**

- 81911 **aqualine 5000 70 W 5K**
- 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.

- 110.010 **Titanium heater 100 W** for aquaria up 100 - 250 l, length: app. 27 cm (c. 10.6")
- 110.020 **Titanium heater 200 W** for aquaria up 250 - 500 l, length: app. 28 cm (c. 11")
- 110.030 **Titanium heater 300 W** for aquaria up 500 - 1,000 l, length: app. 30 cm (c. 11.8")
- 110.050 **Titanium heater 500 W** for aquaria up 1,000 - 1,500 l, length: app. 32 cm (c. 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 seawater 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 CO<sub>2</sub> system and a solenoid valve the pH can be maintained at a constant level, and the CO<sub>2</sub> 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.

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**



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**



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**



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**



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
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**Reverse osmosis**



premium line 90/150



premium line 300



easy line



Merlin plus (PRF-RO)



Demineralisation filter



Activated carbon prefilter



Sediment prefilter

- 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 (c. 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.

- 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 (c. 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. We TFC (Polyamide / Polysulfone) membranes 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 c. 2,000 l/day (c. 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 c. 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.

**Accessories for easy line & premium line**

- 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 tab water is too high.

- U605.60 Membrane 90 l / day
- U605.65 Membrane 150 l / day
- 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
- U606.10 Combined filter cartridge carb./sed. 10" housing for premium line
- U606.15 Activated carbon filter cartridge 10" housing for premium line

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

Item code	Item
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**CO<sub>2</sub>**

71600 **CO<sub>2</sub> 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 CO<sub>2</sub> bottle (Filling capacity: env. 250 g) including holder, pressure regulator with bottle pressure display and needle valve, CO<sub>2</sub> hose, diffuser with built-in bubble counter and non-return valve (**reactor compact**) and a CO<sub>2</sub> indicator for indicating the carbon dioxide level within the aquarium.



71620 **CO<sub>2</sub> cylinder ALU 250 g**

250 g CO<sub>2</sub>-bottle made from aluminium. Filling capacity: env. 250 g



CO<sub>2</sub> cylinder ALU

cylinder base

71601 **cylinder base**

Holder for use with aluminium CO<sub>2</sub>-bottle, Ø 60–80 mm.



station 2 kg

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

CO<sub>2</sub> storage bottle **station** is a steel CO<sub>2</sub> storage bottle with an external shut off valve. The cylinder will supplied with a safety cage and a base stand.



reactor compact

71630 **reactor compact**

CO<sub>2</sub>-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 CO<sub>2</sub>-bottles. Connecting thread W21,8 x 1/14".



CO<sub>2</sub> pipe

71614 **CO<sub>2</sub> pipe 4/6 mm - 5 m**

4/6 mm hose, 5 meter



pipe holder

71615 **pipe holder**

Holder for 6 mm CO<sub>2</sub>-hose to fit onto glass of up to 10 mm in thickness.

Item code	Item
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**CO<sub>2</sub>**



CO<sub>2</sub> indicator



bubble counter plus

71650 **bubble counter plus**  
Bubble counter for use with CO<sub>2</sub>-systems for the supply of water plants.



CO<sub>2</sub> indicator solution

71640 **CO<sub>2</sub> indicator**  
Indicator for showing the carbon dioxide content in fresh water aquaria. Inkl. 10 ml **CO<sub>2</sub> indicator solution**.

71641 **CO<sub>2</sub> indicator solution 10 ml**  
Inject 1 ml of **CO<sub>2</sub> indicator solution** into **CO<sub>2</sub> indicator** directly. It is recommended to change **CO<sub>2</sub> indicator** once a month. Compare the color of the **CO<sub>2</sub> solution** with the included scala and determine the CO<sub>2</sub> content of your aquarium water.



reactor 100

71130 **reactor 100**  
A passive **CO<sub>2</sub>-reactor** for aquariums up to 250 litres (c. 62.5 gallons) **reactor 100** is operated without an additional pump. The CO<sub>2</sub> 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 CO<sub>2</sub>-reactor for external use for aquaria up to 2,000 litres (c. 500 gallons) **reactor 1000** is a hermetically sealed unit for introducing CO<sub>2</sub> 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 (c. 500 gallons) with CO<sub>2</sub>. With 12/16 mm hose tails. Required pump power: 1,500 - 2,000 l/h. (c. 375 - 500 gal.) Total height: app. 37 cm (c. 15"); Ø app. 8 cm (c. 3")



reactor+

71710 **reactor+**  
Motor-driven, highly efficient CO<sub>2</sub> reactor for use in planted aquaria up to 1,000 liters. Easy fitment within the aquarium with the supplied suction cups.



regular

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

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

Item code	Item
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**CO<sub>2</sub>**

counter



71850 **counter**

CO<sub>2</sub>-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 CO<sub>2</sub>-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 CO<sub>2</sub> 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**



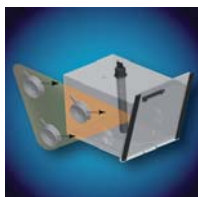
Trap for catching a particular fish in an aquarium  
Aquariums can have many hiding places making catching an individual fish extremely difficult without being time consuming and stressful to both yourself and the aquarium inhabitants and can also cause damage to invertebrates when trying to use a net.

**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

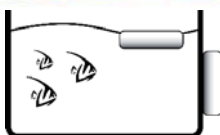
Universal trap for crabs, snails and bristle worms - for fresh- and saltwater  
**Trap-pest** is an automatic trap for removing undesirable bristle worms, crabs or snails from an aquarium. Bristle worms crawl through a funnel into the trap and cannot find their way out whilst crabs and snails pass through 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 (c. 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.







# AQUA MEDIC®

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