

# AQUATICS 2015 CATALOGUE

PLANTCARE PLANTFERTILISER FISHFOOD

SHRIMPFOOD WATERCARE WATERTREATMENT

AQUARIUMTECHNIQUE AQUARIUMLIGHTING

NANOMARINUS NANOFRESHWATER AQUASCAPING



**DENNERLE**

[www.dennerle.com](http://www.dennerle.com)





#### **SUSTAINABILITY AS A COMPANY PHILOSOPHY**

Dennerle offers products for the aquarist that can do more than merely fight symptoms. We likewise ensure that even at the production stage, natural resources are used sparingly. But it should also be possible to use the products themselves in an environmentally sustainable way – for example by having an above-average lifespan (e.g. Trocal) or by using concentrates to reduce packaging waste (e.g. water care).

We design functioning, coordinated products which are oriented towards maintaining the natural cycle and are harmless to the environment, people and animals. In doing so we make it possible to experience a bit of nature at home in a sustainable way.





## Experience nature

The „aquarium“ ecosystem – complex but not complicated.

Every aquarium is a biological system, the individual factors of which are inextricably linked. According to the Dennerle philosophy, the foundation of an aquarium is healthy plant growth, because the plants constantly remove harmful substances from the water and simultaneously produce the oxygen that the fish need to survive.

Since 1966, Dennerle has taken a holistic view of the aquarium ecosystem in order to easily replicate the biological cycles as a functioning system equivalent to natural processes. Our coordinated products form a system with which underwater landscapes are easy and safe to care for.

Dennerle - since 1966





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# WE LIVE AQUATICS

## AQUATIC PLANTS ARE THE FOCUS OF OUR WORK

Dennerle has represented enchanting plant aquariums since 1966. Company founder Ludwig Dennerle's love for aquatics and research into aquatic plants was the stimulus for the global development of our company and our products, which has always remained faithful to the principle: Experience nature.

In the underwater world, aquatic plants are the most sensitive element and are thus both an indicator of the water quality and a prerequisite for healthy fish. If the plants are healthy, you hold the key to a functioning aquarium.

## QUALITY CREATES TRUST

Our company has been certified in accordance with ISO 9001:2008 since December 2012 and is thus equipped for quality management according to the highest standards.

Even though Dennerle has always placed particular emphasis on offering quality products, this philosophy has now been further emphasised and expanded. As part of continuous improvement, whole processes are regularly put to the test in order to ensure customer-oriented production and implementation.

We also guarantee our high standards of quality in the plant domain with a global production network which is maintained by skilled horticulturists, master gardeners and landscape gardening engineers.







In addition to the production plant in Vinningen, Dennerle aquarium plants have grown and thrived for centuries in the tropics under optimum conditions.

## THE TROPICAL SUN IN THEIR HEARTS

Dennerle is one of Europe's leading cultivators of aquarium plants. Our core competences include Echinodorus, which we sell across Europe, along with over 200 other different species. Almost all cultures grow above water in the emersed form. The strong and balanced nutrition of the plants is therefore the focus of our production methods.

When provided with this „nutrient depot“ the plants grow quickly and safely in the aquarium and quickly grow new submerged leaves.

We receive plant shipments from the tropics on a weekly basis, and here in Vinningen they grow to reach their final sale size. With the tropical sun in their hearts, our plants find their way into stores and millions of aquariums across Europe.



Plant production without real craftsmanship is unimaginable.



# WE LOOK CLOSELY

## DENNERLE DOES ITS OWN RESEARCH AND DEVELOPMENT – FOR GOOD REASON

Without your own research there are no real innovations. So the Dennerle research division is the creative core of our company. Here the latest scientific knowledge meets years of experience from all areas of practical aquatics.

Our success proves us right. For decades the name Dennerle has represented numerous solutions that have made lasting changes to the world of aquatics, and made it easier for aquarists across Europe to dive into the underwater world.

To ensure that this is also the case in the future, Dennerle is always breaking the mould. In collaboration with microbiologists, chemists and botanists, we develop products that can do more than just fight symptoms. Our aspiration is to positively influence the biological processes from the beginning so that we can fulfil our aim: Experience nature.



### **We research for your success**

Information from continuous market observations guarantee customer-oriented products.

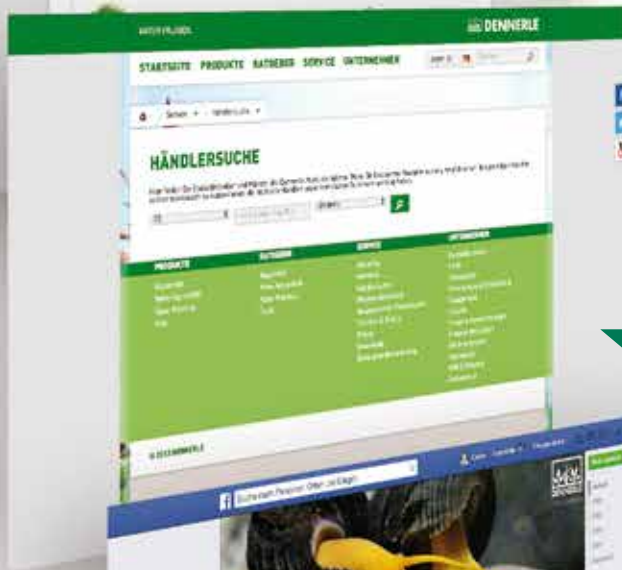
# DENNERLE ON THE INTERNET

We use online media as an information platform for trade and for the consumer:



[www.dennerle.com](http://www.dennerle.com)

In our comprehensive plant database, information about hundreds of species is available.



With our dealer search your specialist store is found quickly. Your customers are just a few clicks away.



## SOCIAL MEDIA



In the Facebook community Dennerle reaches the fanbase quite directly.

Klick: [www.facebook.de/dennerle](https://www.facebook.de/dennerle)



Dennerle regularly gives information about products and solutions to problems on YouTube.

[www.youtube.com/DennerleGmbH](http://www.youtube.com/DennerleGmbH)





# IT DOESN'T GET **ANY** **CLOSER**

## **WE WANT AN ACCURATE VIEW**

Stefan Hummel - our aquarium plant expert – often travels around the world, true to the Dennerle motto „experience nature“, to examine aquarium plants in their natural environment.

One of the most exciting destinations, however, was the clear waters of the small town of „Bonito“ in south west Brazil. They are an Eldorado for any aquarist or nature enthusiast! Their rich variety of fish and the overwhelming abundance of huge plant populations under water are breathtaking.

For the Echinodorus enthusiast the headwaters of the „Rio Baia Bonito“ are an unbelievable experience: Plants up to 1 m high, with pink-coloured heart leaves, stand in the crystal-clear water. And this is just one of the many destinations in which the „planta hunter“ looks more closely in order to be able to incorporate his observations in Dennerle products.







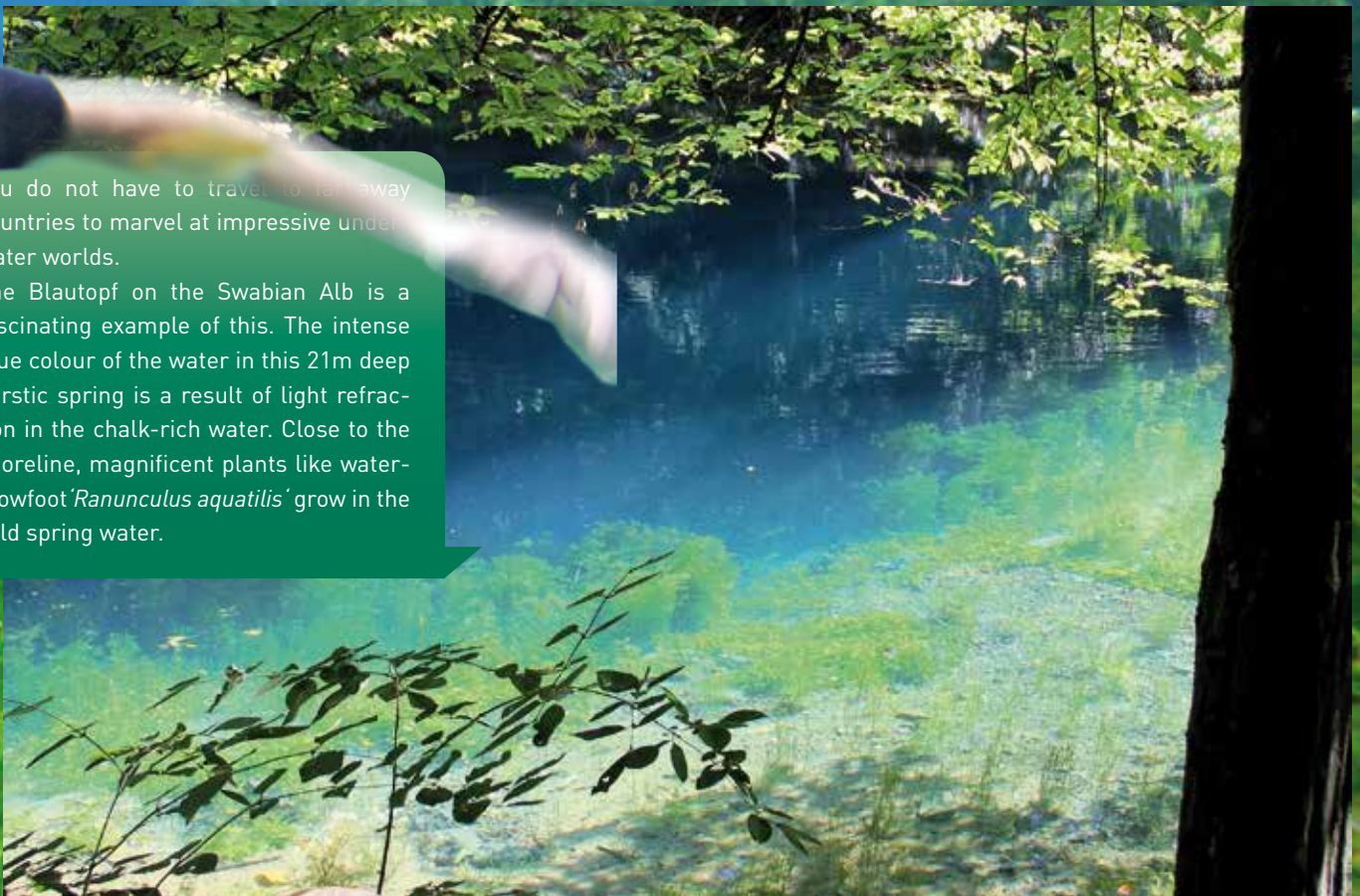
#### Learning from nature

Dennerle research does not start with a test tube.

As here in the Rio Sucuri, Brazil, life under water can be best understood when you are in the middle of it.

You do not have to travel to far away countries to marvel at impressive underwater worlds.

The Blautopf on the Swabian Alb is a fascinating example of this. The intense blue colour of the water in this 21m deep karstic spring is a result of light refraction in the chalk-rich water. Close to the shoreline, magnificent plants like water-crowfoot '*Ranunculus aquatilis*' grow in the cold spring water.



#### Always on hand: The „CrustaHunter“

Chris Lukhaup is one of the best known experts and book authors for shrimps and crayfish in aquatics.

As an established expert in all things that scuttle under water, the „CrustaHunter“ is the ideal diving partner in rivers around the world.

Together, both „hunters“ are an unbeatable team when it comes to constantly expanding knowledge about aquaristics.





# CO<sub>2</sub>

## The elixir of life for your aquarium plants.

Aquarium plants grow 4x better when they are fertilised with carbon dioxide (CO<sub>2</sub>).

Troublesome algae stand virtually no chance, as plants immediately „vacuum up“ all the nutrients that promote algae growth such as phosphates and nitrates.

**LESS  
ALGAE**

**MORE  
OXYGEN**

**HEALTHIER  
FISH**

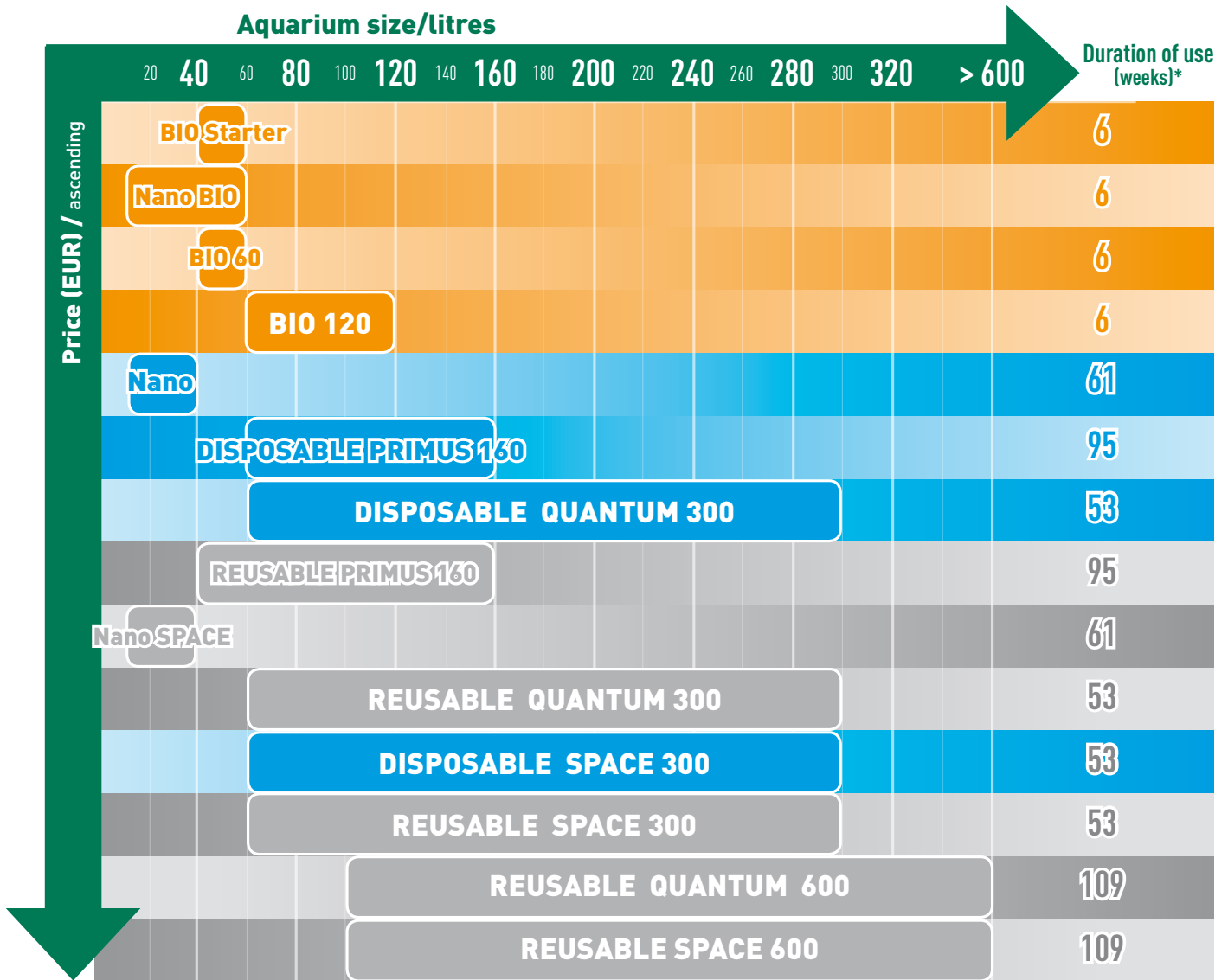
**MORE  
BEAUTIFUL AQUATIC PLANTS**

**FEWER  
HARMFUL SUBSTANCES**





# Which CO<sub>2</sub> system is right for my aquarium?



On this chart you can easily choose the appropriate carbon dioxide system, based on your aquarium size. To do this, you just have to know your aquarium size and choose between bio-CO<sub>2</sub>, disposable and reusable CO<sub>2</sub> systems.

\*Calculated as duration of use per cartridge/bottle: lighting duration 10 hours (night cut-off valve (compressed gas systems only), 10 bubbles per minute per 100 l aquarium water). The actual duration of use can vary depending on the lighting duration, light intensity and plant community.



## BIO CO<sub>2</sub>

### CO<sub>2</sub> FERTILISATION THE EASY WAY

CO<sub>2</sub> production based on controlled, constant yeast fermentation. Ideal for all CO<sub>2</sub> beginners, as well as those wanting to try it out.

Learn more



## DISPOSABLE SYSTEM

### CO<sub>2</sub> FERTILISATION THE CONVENIENT WAY

The system with the practical disposable CO<sub>2</sub> bottle. Ideal anywhere where the nearest CO<sub>2</sub> refill service is a long way away.



## REUSABLE SYSTEM

### CO<sub>2</sub> FERTILISATION THE SUSTAINABLE WAY

CO<sub>2</sub> supply via liquid gas in a refillable, reusable bottle. Especially suited to very large aquaria.

Learn more





## CO<sub>2</sub> SUPPLY

### BECAUSE ALL AQUARIUMS NEED CO<sub>2</sub>

#### Aquarium water almost always contains too little CO<sub>2</sub>.

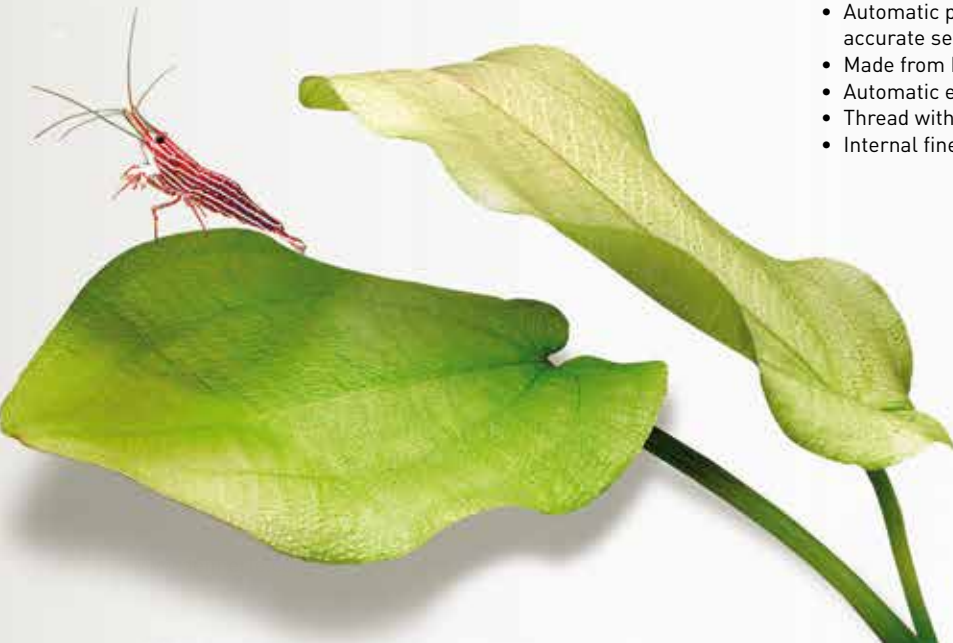
Even in tap water, natural CO<sub>2</sub> is removed at the water works as a result of aeration. The aquatic plants greedily absorb these low volumes. It is usually not enough. And in contrast with nature, there is no natural replenishment in the aquarium. Stems and leaves appear weak and pale with no sign of strong growth. Their defences are weakened, algae settle on the leaves.



**Most modern CO<sub>2</sub>-technique  
= security and quality**

**The unique pressure regulator from the Evolution range presents the latest CO<sub>2</sub> technology for all aquariums.**

- Just one control knob for the simplest operation
- Constant bubble count to Dynamic Valve Control (DVC)
- Automatic pressure compensation when adjusting for fast, accurate setup.
- Made from high-strength aluminium alloy, so low weight
- Automatic excessive pressure prevention
- Thread with safety vent
- Internal fine filter for high operational safety





### BIO CO<sub>2</sub> Starter Set

#### Complete set consisting of:

CO<sub>2</sub> supply bottle with CO<sub>2</sub> Control Gel, Mini-Topper, bottle support, starter capsule, CO<sub>2</sub> hose

Order No.	PU	Contents
3007	1	



4 001615 030075



### BIO CO<sub>2</sub> 60 Complete Set

#### For aquariums up to 60 litres

Complete set consisting of: CO<sub>2</sub> supply bottle with CO<sub>2</sub> Control Gel, starter capsule, Micro-Flipper, bottle support, CO<sub>2</sub> hose, bubble counter

(IN PARTICIPATING STORES / SEE P. 130)



more infos on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)

3008	1	
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4 001615 030082



### BIO CO<sub>2</sub> 120 Complete Set

#### For aquariums up to 120 litres

Complete set consisting of: CO<sub>2</sub> supply bottle with CO<sub>2</sub> Control Gel, starter capsule, Mini-Flipper, thermal container, CO<sub>2</sub> hose, bubble counter, PerfectPlant SystemSet

(IN PARTICIPATING STORES / SEE P. 130)



more infos on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)

3009	1	
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4 001615 030099



### BIO CO<sub>2</sub> supply bottle

#### With CO<sub>2</sub> control gel

for consistent CO<sub>2</sub> production.  
CO<sub>2</sub> supply for over one month of constant CO<sub>2</sub> fertilisation

A supply bottle produces - depending on temperature - a CO<sub>2</sub> total amount of min. 30g (300.000 bubbles)!

3004	6	
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4 001615 030044



### BIO CO<sub>2</sub> supply bottle

#### Twin pack

for consistent CO<sub>2</sub> production.  
CO<sub>2</sub> supply for over two months of constant CO<sub>2</sub> fertilisation

3005	3	2 pc.
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4 001615 030051



### CO30 bubble counter

1556	1	
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4 001615 015560







### DISPOSABLE 160 Primus

**For aquariums up to 160 litres**

Complete set consisting of:  
Convenient 500 g disposable CO<sub>2</sub> supply cylinder, CO<sub>2</sub> Evolution Primus pressure regulator, CO<sub>2</sub> Mini-Flipper diffuser, CO<sub>2</sub> special check valve, CO<sub>2</sub> hose 2 m, CO<sub>2</sub>- long-term test Correct, CO<sub>2</sub> special-indicator, PerfectPlant SystemSet

Order No.	PU	Contents
2972	1	



4 001615 029727



### DISPOSABLE 160 Primus Special Edition

**For features see art. 2972  
+ solenoid valve & timer**

Order No.	PU	Contents
2975	1	



4 001615 029758



### DISPOSABLE 300 Quantum

**For aquariums up to 300 litres**

Complete set consisting of:  
Convenient 500 g disposable CO<sub>2</sub> supply cylinder, CO<sub>2</sub> Evolution Quantum pressure regulator, CO<sub>2</sub> Flipper diffuser, CO<sub>2</sub> special check valve, CO<sub>2</sub> hose 2 m, CO<sub>2</sub> long-term test Correct, CO<sub>2</sub> special indicator, PerfectPlant SystemSet

Order No.	PU	Contents
2974	1	



4 001615 029741



### DISPOSABLE 300 Quantum Special Edition

**For features see art. 2974  
+ solenoid valve & timer**

Order No.	PU	Contents
2976	1	



4 001615 029765





### CO<sub>2</sub> disposable cylinder 500 g

#### Supply cylinder

For convenient CO<sub>2</sub>-fertilisation of aquariums.

Order No.	PU	Contents
3013	3	



### CO<sub>2</sub> disposable cylinder 850 g

Order No.	PU	Contents
3019	1	1 pc.



### REUSABLE 160 PRIMUS

#### For aquariums up to 160 litres

Complete set consisting of:  
Refillable 500 g CO<sub>2</sub> supply cylinder with stable safety stand,  
CO<sub>2</sub> Evolution Primus pressure regulator, CO<sub>2</sub> Mini-Flipper diffuser,  
CO<sub>2</sub> hose 2 m, CO<sub>2</sub> special check valve,  
CO<sub>2</sub> long-term test Correct, CO<sub>2</sub> special indicator, spanner and Allen key,  
PerfectPlant SystemSet

Order No.	PU	Contents
3074	1	



### REUSABLE 160 PRIMUS Special Edition

#### For aquariums up to 160 litres

For features see Art. 3074  
+ solenoid valve & timer

Order No.	PU	Contents
3039	1	



### REUSABLE 300 QUANTUM

#### For aquariums up to 300 litres

Complete set consisting of:  
Refillable 500 g CO<sub>2</sub> supply cylinder with stable safety stand, CO<sub>2</sub> Evolution Quantum pressure regulator, CO<sub>2</sub> Flipper diffuser, CO<sub>2</sub> hose 2 m, CO<sub>2</sub> special check valve, CO<sub>2</sub> long-term test Correct, CO<sub>2</sub> special indicator, spanner and Allen key,  
PerfectPlant SystemSet

Order No.	PU	Contents
3076	1	





### REUSABLE 300 QUANTUM Special Edition

For aquariums up to 300 litres  
For features see art. 3076

+ solenoid valve & timer

Order No.	PU	Contents
3044	1	



4 001615 030440



### REUSABLE 300 SPACE

For aquariums up to 300 litres

Complete set consisting of:  
Refillable 500 g CO<sub>2</sub> supply cylinder with stable safety stand, CO<sub>2</sub> Evolution Space pressure regulator, CO<sub>2</sub> Flipper diffuser, CO<sub>2</sub> hose 2 m, CO<sub>2</sub> special check valve, CO<sub>2</sub> long-term test Correct, CO<sub>2</sub> special indicator, spanner and Allen key, PerfectPlant SystemSet



more info on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)

Order No.	PU	Contents
3077	1	



4 001615 030778



### REUSABLE 600 QUANTUM

For aquariums up to 600 litres

Complete set consisting of:  
Refillable 2,000 g CO<sub>2</sub> supply cylinder with stable safety stand, CO<sub>2</sub> Evolution Quantum pressure regulator, CO<sub>2</sub> Maxi-Flipper diffuser, CO<sub>2</sub> hose 2 m, CO<sub>2</sub> special check valve, CO<sub>2</sub> long-term test Correct, CO<sub>2</sub> special indicator, spanner and Allen key, PerfectPlant SystemSet

Order No.	PU	Contents
3078	1	



4 001615 030785



### REUSABLE 600 SPACE

For aquariums up to 600 litres

Complete set consisting of:  
Refillable 2,000 g CO<sub>2</sub> supply cylinder with stable safety stand, CO<sub>2</sub> Evolution Space pressure regulator, CO<sub>2</sub> Maxi-Flipper diffuser, CO<sub>2</sub> hose 2 m, CO<sub>2</sub> special check valve, CO<sub>2</sub> long-term test Correct, CO<sub>2</sub> special indicator, spanner and Allen key, PerfectPlant SystemSet

Order No.	PU	Contents
3079	1	



4 001615 030792



### REUSABLE 600 SPACE Special Edition

For aquariums up to 600 litres

For features see art. 3079 (here refillable 500 g CO<sub>2</sub> supply) + pH controller Evolution Deluxe, pH-electrode, electrode holder, calibration solutions for pH4 and pH7, distilled water

Order No.	PU	Contents
3046	1	



4 001615 030464







### CO<sub>2</sub> reusable cylinder, 500 g grey

#### Supply cylinder

With excess pressure safeguard and chrome-plated cage (valve guard). Tested at 250 bar in accordance with the TÜV technical control board. Height: 440 mm (with cage), Diameter: 61 mm

Order No.	PU	Contents
3047	1	



4 001615 030471



### CO<sub>2</sub> reusable cylinder, 2000 g grey

#### Supply cylinder

With excess pressure safeguard and chrome-plated cage (valve guard). 250 bar TÜV tested. Height: 455 mm (with cage), Diameter: 120 mm

Order No.	PU	Contents
3048	1	



4 001615 030488

## PRESSURE REGULATOR



### CO<sub>2</sub> Pressure Regulator NANO

#### Universal device for use with

- Dennerle disposable CO<sub>2</sub> cartridges (80 g)
- with adapter for Dennerle disposable CO<sub>2</sub> bottles
- with adapter for all reusable CO<sub>2</sub> bottles

Order No.	PU	Contents
2996	1	



4 001615 029963



### CO<sub>2</sub> Pressure Regulator

#### Evolution PRIMUS

- Simple and precise bubble count adjustment
- Fits Dennerle CO<sub>2</sub> disposable cylinders
- Incl. adapter for CO<sub>2</sub> reusable cylinders

Order No.	PU	Contents
3059	1	



4 001615 030594



### CO<sub>2</sub> Pressure Regulator

#### Evolution QUANTUM

- With cylinder pressure manometer for 0-250 bar and bubble count scale
- Fits Dennerle CO<sub>2</sub> disposable cylinders
- Incl. adapter for CO<sub>2</sub> reusable cylinders

Order No.	PU	Contents
3062	1	



4 001615 030624



### CO<sub>2</sub> Pressure Regulator

#### Evolution-SPACE

The first aquarium pressure regulator with an integrated solenoid valve for night cut-off

- Control status displayed visually by means of a blue LED
- Universal device for use with
  - Dennerle CO<sub>2</sub> disposable-cartridges (80 g)
  - with adapter for Dennerle CO<sub>2</sub> disposable cylinders
  - with adapter for all CO<sub>2</sub> reusable cylinders

Order No.	PU	Contents
3063	1	



4 001615 030631





### CO<sub>2</sub> Topper

**For aquariums up to 120 litres**

Efficient, compact CO<sub>2</sub> diffuser.  
With built-in bubble counter pipe and waste gas vent.

Order No.	PU	Contents
3066	1	



4 001615 030662



### CO<sub>2</sub> Micro-Perler

**For aquariums up to 250 litres**

Efficient, compact and compatible with all CO<sub>2</sub> systems.  
With integrated bubble counter.

Order No.	PU	Contents
3065	1	



4 001615 030655



### CO<sub>2</sub> Micro-Perler Special

**For aquariums up to 400 litres**

Specifically for external filters.  
Connected in place of the existing suction cage.  
Efficient and compact.  
Including CO<sub>2</sub> bubble counter Exact.

Order No.	PU	Contents
3072	1	



4 001615 030723



### CO<sub>2</sub> Nano-Flipper

**For aquariums up to 40 litres**

With 2 CO<sub>2</sub> sumps for various sizes and with waste gas vent.  
No motor required.  
Size: 2.8 x 4.5 x 0.95 cm  
(Dimensions excluding sump)

Order No.	PU	Contents
5987	1	



4 001615 059878



### CO<sub>2</sub> Micro-Flipper

**For aquariums up to 60 litres**

With CO<sub>2</sub> sump and waste gas vent.  
No motor required.  
Size: 4.5 x 10.5 x 3.5 cm

Order No.	PU	Contents
3075	1	



4 001615 030754



### CO<sub>2</sub> Mini-Flipper

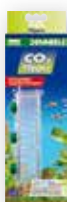
**For aquariums up to 160 litres**

With CO<sub>2</sub> sump and waste gas vent.  
No motor required.  
Size: 6.2 x 22.7 x 4 cm

Order No.	PU	Contents
3071	1	



4 001615 030716



### CO<sub>2</sub> Flipper

**For aquariums up to 300 litres**

With CO<sub>2</sub> sump and waste gas vent.  
No motor required.  
Size: 9 x 25 x 4 cm

Order No.	PU	Contents
3069	1	



4 001615 030693





## CO<sub>2</sub> Maxi-Flipper

**For aquariums up to 600 litres**

With CO<sub>2</sub> sump and waste gas vent.  
No motor required.  
Size: 11 x 36 x 4 cm

Order No.	PU	Contents
3070	1	



4 001615 030709



## CO<sub>2</sub> Cyclo Turbo

**For aquariums up to 750 litres**

Compact CO<sub>2</sub> diffuser.  
With waste gas vent. Powered by motor  
filter or separate motor pump. Expanda-  
ble up to 5,000 litres  
Size: approx. 5.5 x 16.5 cm (w x h)

Order No.	PU	Contents
3067	1	



4 001615 030679

## CRYSTAL LINE



## CO<sub>2</sub> mini crystal diffuser pot

**Ultra-fine atomisation, effective  
dissolving of CO<sub>2</sub>**

- Ideal for small and mini aquariums
- Made of high-quality crystal glass
- Compatible with all CO<sub>2</sub> supply systems
- incl. transparent long-life sucker

Order No.	PU	Contents
2980	1	



4 001615 029802



## CO<sub>2</sub> mini crystal diffuser pipe

**Ultra-fine atomisation, effective  
dissolving of CO<sub>2</sub>**

- Ideal for small and mini aquariums
- Made of high-quality crystal glass
- Compatible with all CO<sub>2</sub> supply systems
- incl. transparent long-life sucker

Order No.	PU	Contents
2982	1	



4 001615 029826







### CO<sub>2</sub> mini crystal long-term test

#### Complete set

for continuous, direct CO<sub>2</sub> measurement in mg/l

- Including pH measurement
- Made of high-quality crystal glass
- For all aquariums

Order No.	PU	Contents
2985	1	



4 001615 029857



### CO<sub>2</sub> maxi crystal long-term test

#### Complete set

for continuous, direct CO<sub>2</sub> measurement in mg/l

- Including pH measurement
- Made of high-quality crystal glass
- For all aquariums

Order No.	PU	Contents
2986	1	



4 001615 029864



### CO<sub>2</sub> crystal bubble counter

For precise setting and control of the amount of CO<sub>2</sub>

- Made of high-quality crystal glass
- Compatible with all CO<sub>2</sub> supply systems

Order No.	PU	Contents
2984	1	



4 001615 029840



### Refill capsule 1x80 g

CO<sub>2</sub> source for CO<sub>2</sub> Nano set

Order No.	PU	Contents
2994	1	



4 001615 029949



### Refill capsule 3x80 g

CO<sub>2</sub> source for CO<sub>2</sub> Nano set

Order No.	PU	Contents
2995	1	3 pc.



4 001615 029956





### pH Controller Evolution DeLuxe

#### Precisely controls the CO<sub>2</sub> supply

- Continuously measures the pH value in the aquarium electronically
- Automatically regulates the CO<sub>2</sub> supply
- Ultimate ease of use:  
1 button = 1 function
- Includes Profi-Line pH electrode, electrode holder, calibration solutions and calibration station DeLuxe equipment
- with comfort calibration
- calibration memory
- audible alarm
- automatic pH adjustment
- programmable switch points
- alarm function
- CO<sub>2</sub> supply indicator light
- dimmable display
- child safety lock

Order No.	PU	Contents
3093	1	



4 001615 030938



### pH electrode

#### For continuous measurement of the pH value.

Modern gel electrode, with Quali-Safe electrode protector. Laboratory quality.

3089	1	
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4 001615 030891



### pH electrode set

#### For continuous measurement of the pH value in freshwater and marine aquariums

- For Dennerle pH controller and pH measurement devices with BNC connectors
- Ready for immediate use
- Aquarium computer

#### Complete set including:

- modern gel electrode
- electrode holder
- calibration station
- calibration solution pH 4 and pH 7
- distilled water

2971	1	
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4 001615 029710



### pH electrode holder

For secure attachment of the pH electrode in the aquarium.

- pH electrode in the aquarium.
- Made of high-quality plastic.
- With light shield to prevent algae formation.

3094	1	
------	---	--



4 001615 030945





### CO<sub>2</sub> night cut-off valve Comfort with timer

Controls the CO<sub>2</sub> supply using a timer or the Dennerle pH Controller Evolution. Maintenance free with indicator light. Including Special CO<sub>2</sub> check valve.

Order No.	PU	Contents
3049	1	



4 001615 030495



### CO<sub>2</sub> solenoid valve

For controlling the CO<sub>2</sub>-supply via alternative means:

- Timer – switches the CO<sub>2</sub> supply off overnight
- pH-Controller – continuously measures the pH value and regulates the required CO<sub>2</sub> supply
- Aquarium computer

2970	1	
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4 001615 029703



### CO<sub>2</sub> long-term test Correct

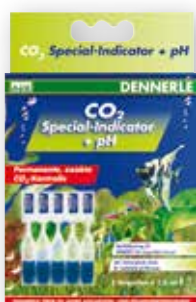
Continuous, precise control of the CO<sub>2</sub> content in the aquarium.

Complete set consisting of: test container, special CO<sub>2</sub> indicator and six-colour comparison scale.

3040	3	
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4 001615 030402



### Special CO<sub>2</sub> indicator

Refill pack for CO<sub>2</sub> long-term test Correct.

Contents: 5 vials approx. 1.3 ml. With six-colour comparison scale. Lasts 5 months.

3041	4	
------	---	--



4 001615 030419



### CO<sub>2</sub> bubble counter Exact

Continuous, direct CO<sub>2</sub> monitoring.

- 3 fastening options.
- Reflector bracket ensures it can be read with ease.
- Complete set consisting of: Holder, long-life suckers and strap.

3050	1	
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4 001615 030501







### Special CO<sub>2</sub> check valve

Reliably protects CO<sub>2</sub> units from back-flowing water.

With a special, permanently elastic, CO<sub>2</sub>-proof membrane.

Order No.	PU	Contents
3053	3	



### Softflex CO<sub>2</sub> hose, 2m

Reliably protects against CO<sub>2</sub> leaks.

Special CO<sub>2</sub>-proof plastic, hose diameter 4/6 mm. Highly flexible, easy to install. Resistant to up to 7 bar pressure

Order No.	PU	Contents
3060	3	2 m



### Softflex CO<sub>2</sub> hose, 5m

Reliably protects against CO<sub>2</sub> leaks.

Special CO<sub>2</sub>-proof plastic, hose diameter 4/6 mm. Highly flexible, easy to install. Resistant to pressure up to 7 bar

Order No.	PU	Contents
3061	3	5 m



### CO<sub>2</sub> hose, transparent, 2m

Order No.	PU	Contents
2990	1	2 m



### CO<sub>2</sub> long-life suckers

transparent, small, 2 pieces

Order No.	PU	Contents
2988	1	2 pc.



### CO<sub>2</sub> long-life suckers

transparent, large, 2 pieces

Order No.	PU	Contents
2989	1	2 pc.





### CO<sub>2</sub> adapter

Nano-/Space pressure regulator for disposable cylinders

Order No.	PU	Contents
2997	1	



4 001615 029970



### CO<sub>2</sub> adapter

Nano-/Space pressure regulator for reusable cylinders

Order No.	PU	Contents
2998	1	



4 001615 029987



### CO<sub>2</sub> adapter

Disposable pressure regulator for reusable cylinders

Order No.	PU	Contents
2999	1	



4 001615 029994



### CO<sub>2</sub> adapter

Reusable pressure regulator for disposable cylinders

Order No.	PU	Contents
3000	1	



4 001615 030006



### CAGE protective cage

for 350-500 g CO<sub>2</sub>-cylinders

Order No.	PU	Contents
1519	1	



4 001615 015195



### CAGE protective cage

for 1500-2000 g CO<sub>2</sub> cylinders

Order No.	PU	Contents
1517	1	



4 001615 015171







## Distilled water

Order No.	PU	Contents
1452	1	250 ml



4 001615 014525



## pH Calibration Solution 4

Order No.	PU	Contents
1445	1	50 ml



4 001615 014457



## pH Calibration Solution 7

Order No.	PU	Contents
1446	1	50 ml



4 001615 014464



## KCL Solution

Order No.	PU	Contents
1448	1	50 ml



4 001615 014488

## REPLACEMENT PARTS



## C030 Starter Capsule

Order No.	PU	Contents
1557	1	5 pc.



4 001615 015577



## C030 Thermal Container

Order No.	PU	Contents
1555	1	



4 001615 015553



## Seal for „Classic-Line“ CO<sub>2</sub> pressure regulator

Order No.	PU	Contents
3028	3	2 pc.



4 001615 030280



## O-ring for reusable pressure regulator

Order No.	PU	Contents
3056	1	2 pc.



4 001615 030563



## Seal for Nano pressure regulator

Order No.	PU	Contents
3035	1	2 pc.



4 001615 030358





**Seal**  
for „Comfort-Line“ CO<sub>2</sub> pressure  
regulator

Order No.	PU	Contents
3029	3	2 pc.



**Classic-Line CO<sub>2</sub> stand**

Order No.	PU	Contents
3034	1	



**Ceramic disc + seal**  
for Micro-Perler

Order No.	PU	Contents
3073	1	



**Long-life sucker, green**

Order No.	PU	Contents
3043	2	2 pc.



**Long-life sucker, large black**

Order No.	PU	Contents
3042	2	2 pc.



**Sucker for Nano/Micro-Flipper**

Order No.	PU	Contents
3052	1	4 pc.



**Spanner SW27**

Order No.	PU	Contents
3051	1	



**Screwdriver**  
for CO<sub>2</sub> pressure regulator

Order No.	PU	Contents
3058	1	



**Nano Flipper, small cover**

Order No.	PU	Contents
3054	1	



**Nano Flipper, large cover**

Order No.	PU	Contents
3055	1	






**Micro-Flipper, cover**

Order No.	PU	Contents
3057	1	


**CO<sub>2</sub> Mini-Flipper, cover**

Order No.	PU	Contents
1598	1	


**CO<sub>2</sub> Flipper 200, cover**

Order No.	PU	Contents
1597	1	


**CO<sub>2</sub> Maxi-Flipper, cover**

Order No.	PU	Contents
1599	1	


**CYCLO replacement cover**

Order No.	PU	Contents
1590	1	


**CYCLO head part  
without cover (1590)  
and distributor junction (1584)**

Order No.	PU	Contents
1585	1	


**CYCLO Turbo Insert**

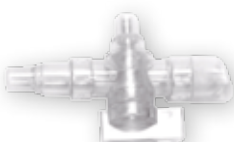
Order No.	PU	Contents
1580	1	


**CYCLO Extension**

Order No.	PU	Contents
1588	1	


**CYCLO Closure Mesh**

Order No.	PU	Contents
1589	1	


**CYCLO Distributor Junction**

Order No.	PU	Contents
1584	1	





# THE NEW PLANT CARE

## – PRESENTED BY THE PLANT PROFESSIONALS:



**PlantElixir**  
UNIVERSAL FERTILIZER

Universal growth medium for  
simply planted aquariums



**V30Complete**  
BASIC FERTILIZER

Complete fertiliser concentrate for sophisticated  
plant aquariums (fertilisation every 2 to 4 weeks,  
optimum for system fertilisation incl. E15 iron  
fertiliser and S7 VitaMix)



**scaper's screen**  
HIGH-PERFORMANCE FERTILIZER

Complete fertiliser for strongly lit aquariums  
(daily to weekly fertilisation)



Weekly fertiliser costs  
With the Perfect Plant fertiliser system  
(for a 100-litre aquarium): € 0.88

**V30** (50ml): € 0.13 (add 3 ml/month)

**E15** (20 Tabs): € 0.23 (add 1/2 tab/month)

**S7** (50 ml): € 0.52 (add 3 ml per week)

The latest formulations  
ensure outstanding success  
in any aquarium.



## Plant Elixir

### Universal growth product

The easy all-round plant care

#### • IDEAL FOR BEGINNERS •

#### Plant care support using fertiliser

0.02% N total nitrogen, 0.11% K<sub>2</sub>O total potassium oxide, 0.29% organic matter  
To aid growth of ornamental plants in aquariums

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Raw materials:** NK-fertiliser 3+13 with trace nutrients

**Other constituents:** 0.02% Mg magnesium, 0.14% S sulphur, 0.0018% B boron, 0.0005% Cu copper, 0.0001% Co cobalt

#### Preparation aid:

Contains calcium sorbate and sodium sorbate preservatives  
Application aid: Contains EDTA, HEDTA, DTPA chelating agents and vitamin C for nutrient stabilisation

#### Storage advice:

Store at room temperature. Protect from heat and frost. Keep out of reach of children and pets.

**Application guidelines:** See packaging for detailed application instructions and dosages.

**Additional contents:** 0.025% Fe iron, 0.01% Mn manganese, 0.001% Mo molybdenum, 0.0005% Zn zinc, 0.0001% Al aluminium, 0.0003% Li lithium, 0.00004% Ni nickel, 0.0001% V vanadium

Order No.	PU	Contents
4539	6	250 ml for 1.250 l
4540	6	500 ml for 2.500 l



Time span		
250 ml	50 l	25 weeks
	100 l	12 weeks
	200 l	6 weeks
500 ml	50 l	50 weeks
	100 l	24 weeks
	200 l	12 weeks



## V30 Complete

### Complete fertiliser

Highly active nutrients for healthy, strong aquarium plants, now with double the active ingredients

#### • DOSATOR-COMPATIBLE •

#### K-fertiliser solution with trace nutrients, with DTPA, EDTA, HEDTA chelating agents

3% K<sub>2</sub>O water soluble potassium oxide, 0.024% B total boron = water soluble boron, 0.003%\* Co total cobalt = water soluble cobalt, 0.006%\* Cu total copper = water soluble copper, 0.35%\* Fe total iron = water soluble iron, 0.15%\* Mn total manganese = water soluble manganese, 0.012% Mo total molybdenum = water soluble molybdenum, 0.008%\* Zn total zinc = water soluble zinc  
\*up to 100% DTPA, EDTA, HEDTA chelation at pH 3-8

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Other constituents:** 0.27% N total nitrogen, 1.8% S water soluble sulphur, 0.75% MgO water soluble magnesium oxide, 0.32% Na water soluble sodium, 4% organic matter

#### Preparation aid:

Preservatives:

vitamin C;

**Application aid:** As chelating agents: DTPA, EDTA, HEDTA

#### Storage advice:

Store at room temperature. Protect from heat and frost. Keep out of reach of children and pets.

#### Application guidelines:

For fertilisation of ornamental plants in aquariums only. See packaging for detailed application instructions and dosages.  
Note: Official guidance recommendations take precedence.

**Additional contents:** 0.0018% Al aluminium, 0.0036% Li lithium, 0.0005% Ni nickel, 0.0009% V vanadium

4536	6	25 ml for 800 l
4537	6	50 ml for 1,600 l
4538	3	100 ml for 3,200 l
4522	1	250 ml for 8,000 l
4523	1	500 ml for 16,000 l



Time span		
25 ml	50 l	33 weeks
	100 l	16 weeks
50 ml	100 l	33 weeks
	200 l	16 weeks
100 ml	200 l	33 weeks
	500 l	13 weeks
250 ml	500 l	33 weeks
	1.000 l	16 weeks
500 ml	500 l	66 weeks
	1.000 l	33 weeks







## S7 VitaMix

### Vital substances

Vital micro-nutrients for balanced plant growth.

- Now with double the active ingredients

### • DOSATOR-COMPATIBLE •

#### Liquid plant care support using fertiliser

0.06% N total nitrogen, 0.65% K<sub>2</sub>O water soluble potassium oxide, 1.07% organic matter

To aid growth of ornamental plants in aquariums

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Raw materials:** NK-fertiliser 1.8 + 20 with trace nutrients, other constituents: 0.14% Mg magnesium, 0.41% S sulphur, 0.008% B boron, 0.002% Cu copper, 0.001% Co cobalt

**Preparation aid:** Contains potassium sorbate and sodium formate preservatives

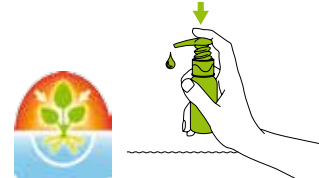
**Application aid:** Contains chelating agents: EDTA, HEDTA and DTPA for nutrient stabilisation; colouring

**Storage advice:** Store at room temperature. Protect from heat and frost. Keep out of reach of children and pets.

**Application guidelines:** See packaging for detailed application instructions and dosages. Take care with boron-sensitive plants

**Additional contents:** 0.065% Fe iron, 0.026% Mn manganese, 0.004% Mo molybdenum, 0.002% Zn zinc, 0.0006% Al aluminium, 0.001% Li lithium, 0.0006% Ni nickel, 0.0003% V vanadium

Order No.	PU	Contents
4542	6	25 ml for 800 l
4543	6	50 ml for 1,600 l
4544	3	100 ml for 3,200 l
4505	1	250 ml for 8,000 l
4506	1	500 ml for 16,000 l



### time span

25 ml	50 l	16 weeks
	100 l	8 weeks
50 ml	50 l	33 weeks
	100 l	16 weeks
100 ml	100 l	33 weeks
	200 l	16 weeks
250 ml	200 l	41 weeks
	500 l	16 weeks
500 ml	500 l	33 weeks
	1.000 l	16 weeks



## Dosator

### Automatic daily fertilisation for aquarium plants

- Permanent, consistent and appropriate nutrient supply
- For consistent, balanced plant growth
- For aquaria 50 - 3000 litres
- Suitable for V30 Complete fertiliser and S7 VitaMix trace elements
- Automated long-term dosing following the principle of osmosis
- Prevents algae formation by optimizing the levels of nutrients

### • NO ELECTRICITY • WITH REFILL INDICATOR

4585	1	
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## Replacement part set

### Dosator dosing rings/membranes

4605	1	4 pc.
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## Replacement part set

### Dosator suction cup/seals

4606	1	4 pc.
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### E15 FerActiv

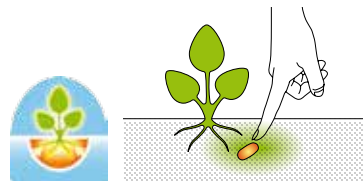
#### Iron fertiliser

Plant-available, „white“ nutrient iron combats yellow, translucent leaves

**NK-fertiliser 2+14 with iron and manganese, with EDTA chelating agent**  
2.2% N total nitrogen, 14% K<sub>2</sub>O water soluble total potassium oxide, 2.98% Fe total iron = water soluble iron\*  
0.81% Mn total manganese = water soluble manganese\*  
\*up to 100% EDTA chelation at pH 3-8  
**Net weight:** see packaging;  
**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Other constituents:** 7.05% S water soluble sulphur, 7.21% Na water soluble sodium, 45.9% organic matter;  
**Preparation aid:** As filler: sodium sulphate; as pressing aid: cellulose, silicon dioxide, PVP, calcium stearate;  
**Application aid:** As chelating agent: EDTA;  
**Storage advice:** Store at room temperature. Protect from heat and frost. Keep out of reach of children and pets.  
**Application guidelines:** For fertilisation of ornamental plants in aquariums only. See packaging for detailed application instructions and dosages.  
Note: Official guidance recommendations take precedence.

Order No.	PU	Contents
4548	6	10 tablets for 1,000 l
4549	6	20 tablets for 2,000 l
4550	1	40 tablets for 4,000 l
4551	1	100 tablets for 10,000 l



Time span		
10 tablets	50 l	40 weeks
	100 l	20 weeks
20 tablets	100 l	40 weeks
	200 l	20 weeks
40 tablets	200 l	40 weeks
	500 l	16 weeks
100 tablets	500 l	40 weeks
	1,000 l	20 weeks



### System Set

#### Perfect Plant The 3 part fertiliser system

#### Contents:

**V30 Complete** (complete fertiliser)

**S7 VitaMix** (trace elements)

**E15 FerActiv** (iron fertiliser)

4577	1	for 800 l
4578	3	for 1,600 l



### PlantaGold 7

#### Growth booster

The nutrient activator: Pure growing power thanks to natural bio-enzymes

**Plant care support using vegetable matter and fertiliser**  
1.31% N total nitrogen, 0.23% P<sub>2</sub>O<sub>5</sub> total phosphate, 0.32% N total nitrogen, 89.2% organic matter  
To aid growth of ornamental plants in aquariums

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Raw materials:** 98.49% vegetable matter from food production, iron chelate with 13% Fe water soluble iron  
100% EDTA chelation;

**Application aid:** As chelating agent: EDTA; capsule material: Hydroxypropylmethylcellulose; colouring;

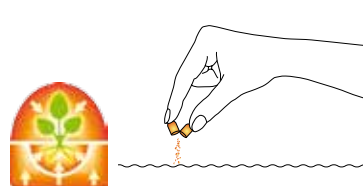
**Storage advice:**

Store at room temperature. Protect from heat and frost. Keep out of reach of children and pets.

**Application guidelines:** See packaging for detailed application instructions and dosages.

**Contents:** 0.24% Fe iron

4552	6	10 capsules for 1,000 l
4553	6	20 capsules for 1,000 l
4554	3	40 capsules for 2,000 l



Time span		
10 capsules	50 l	10 weeks
	100 l	5 weeks
20 capsules	50 l	20 weeks
	100 l	10 weeks
40 capsules	50 l	40 weeks
	100 l	20 weeks





### PowerTabs

#### Special root fertiliser

For extra growing power! Nutrients delivered straight to the roots

**NK-fertiliser 1+2 with trace nutrients in clay using clay minerals and fertiliser**

1.2% N total nitrogen, 2.5% K<sub>2</sub>O total potassium oxide, 1.5% water soluble potassium oxide, 3.45% total iron, 0.02% water soluble iron

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Raw materials:** 76% bentonite, NPK-fertiliser 10+4+34 with trace nutrients; **Other constituents:** 2.9% MgO total magnesium dioxide, 22.9% organic matter; **Preparation aid:** As pressing aid: povidone, hypromellose and calcium stearate; tablet coating with hypromellose, titanium dioxide and colouring

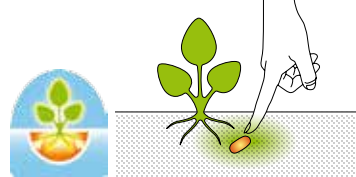
**Storage advice:** Store in a dry place at room temperature. Protect from heat and frost. Keep out of reach of children and pets.

**Application guidelines:** For fertilisation of ornamental plants in aquariums only. See packaging for detailed application instructions and dosages.

**Note:** Official guidance recommendations take precedence.

**Additional contents:** 0.22% P<sub>2</sub>O<sub>5</sub> phosphate, 0.0015% B boron, 0.0011% Cu copper, 0.016% Mn manganese, 0.0015% Mo molybdenum, 0.0011% Zn zinc

Order No.	PU	Contents
4556	6	10 tablets
4557	3	30 tablets



### Deponit NutriBalls

#### Nutrient balls

The ideal initial growth promoter and growth refresher

• IDEAL FOR BEGINNERS •

**Liquid plant care support using fertiliser**

0.06% N total nitrogen, 0.65% K<sub>2</sub>O water soluble potassium oxide, 1.07% organic matter

To aid growth of ornamental plants in aquariums

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Raw materials:** NK-fertiliser 1.8 + 20 with trace nutrients, other constituents: 0.14% Mg magnesium, 0.41% S sulphur, 0.008% B boron, 0.002% Cu copper, 0.001% Co cobalt

**Preparation aid:** Contains potassium sorbate and sodium formate preservatives

**Application aid:** Contains chelating agents: EDTA, HEDTA and DTPA for nutrient stabilisation; colouring

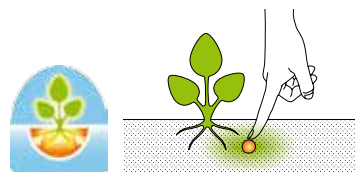
**Storage advice:**

Store at room temperature. Protect from heat and frost. Keep out of reach of children and pets.

**Application guidelines:** For detailed application instructions and dosages, see directions above. Take care with boron-sensitive plants

**Additional contents:** 0.065% Fe iron, 0.026% Mn manganese, 0.004% Mo molybdenum, 0.002% Zn zinc, 0.0006% Al aluminium, 0.001% Li lithium, 0.00006% Ni nickel, 0.0003% V vanadium

4558	6	10 balls
4559	6	30 balls







## Scaper's Green

### High performance fertiliser

Ideal for sophisticated plant aquariums and aquascaping

#### K-fertiliser solution with trace nutrients, with DTPA, EDTA chelating agents

1.3% K<sub>2</sub>O water soluble potassium oxide  
0.006% B total boron = water soluble boron  
0.001%\* Co total cobalt = water soluble cobalt  
0.002%\* Cu copper = water soluble copper  
0.133%\* Fe total iron = water soluble iron  
0.052% Mn total manganese = water soluble manganese  
0.003% Mo total molybdenum = water soluble molybdenum  
0.003%\* Zn total zinc = water soluble zinc  
\*up to 100% DRPA, EDTA chelation at pH 3-8

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Other constituents:** 1.15% S water soluble sulphur, 0.79% MgO water soluble magnesium oxide, 0.07% Na water soluble sodium, 1.87% organic matter

**Preparation aid:** Preservatives: potassium sorbate, sodium formate, nutrient stabiliser, vitamin C

**Application aid:** As chelating agent: DTPA, EDTA; colouring

#### Storage advice:

Store at room temperature. Protect from heat and frost.

Keep out of reach of children and pets.

**Application guidelines:** For fertilisation of ornamental plants in aquariums only. See packaging for detailed application instructions and dosages.

Note: Official guidance recommendations take precedence.

**Additional contents:** 0.0001% Al aluminium, 0.0009% Li lithium, 0.0001% Ni nickel, 0.0001% V vanadium

Order No.	PU	Contents
4530	6	100 ml for 1,000 l
4531	6	250 ml for 2,500 l
4532	3	500 ml for 5,000 l



Time span		
100 ml	50 l	20 weeks
	100 l	10 weeks
250 ml	100 l	25 weeks
	200 l	12 weeks
500 ml	200 l	25 weeks
	500 l	10 weeks



## NPK Booster

### Macro fertiliser

Extra phosphate and nitrate power for sophisticated plant aquariums and aquascaping

#### NK-fertiliser solution 1+1

1.1% N total nitrogen, 1% nitric nitrogen, 1.3% water soluble potassium oxide

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Other constituents:** 0.14% P<sub>2</sub>O<sub>5</sub> water soluble phosphate, 0.21% water soluble sulphur, 0.15% MgO water soluble magnesium oxide, 1.2% Na water soluble sodium, 1.76% organic matter

**Preparation aid:** Preservatives: potassium sorbate

**Application aid:** Colouring

#### Storage advice:

Store at room temperature. Protect from heat and frost.

Keep out of reach of children and pets.

**Application guidelines:** For fertilisation of ornamental plants in aquariums only. See packaging for detailed application instructions and dosages.

Note: Official guidance recommendations take precedence.

4533	6	100 ml for 1,000 l
4534	6	250 ml for 2,500 l
4535	3	500 ml for 5,000 l





### Plant tweezers XL

For setting up and caring for natural aquariums

- Length: 45 cm
- Stainless steel
- Extra robust design

Order No.	PU	Contents
5892	1	



### Nano Aquascaping Set

Design tools for mini-aquariums.

Comprised of:

- Plant clippers, length 25 cm  
For trimming roots, stem plants and mosses
- Gravel spatula, length 32 cm, spatula width: 15 + 68 mm  
An elegant means of smoothing and modelling the substrate
- Plant tweezers, length 27 cm  
For simple positioning of aquarium plants.
- Made of stainless steel

Order No.	PU	Contents
5891	1	





# How to find your way around:



Leaf active



Root active



Leaf and root active



Substrate active



All-round action

**These symbols will help you.**  
You will find them on all Dennerle fertiliser products.



## Leaf active

All aquatic plants absorb nutrients from the water via the leaves.



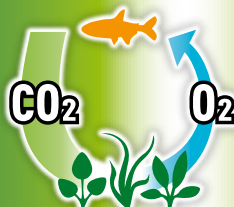
## Root active

There are many nutrients that plants can only absorb from the soil. They must therefore be fertilised directly at the root.

## plus CO<sub>2</sub>

Also for healthy plant growth:

A good CO<sub>2</sub> supply is essential for the uptake and utilisation of fertiliser nutrients.



## Dosator

Automatic fertilisation  
following nature's example!





With unique activator pearls



A VIEW  
OF WHAT  
**LIES**  
BENEATH



## GROWING-POWER MADE IN GERMANY



SINCE 1966.

**Ready mix.**  
**The professional nutrient substrate for all aquarium plants.**

- ✓ Immediate and lasting effects
- ✓ Prevents algae
- ✓ Optimum substrate pH value
- ✓ Reliable growth + strong root development





## DeponitMix Professional

### Multi-mineral nutrient substrate

The long-term substrate for all aquarium plants

#### • OPTIMIZED FORMULA •



DeponitMix Professional 60



DeponitMix Professional 120



DeponitMix Professional 200

Order No.	PU	Contents
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- THE ORIGINAL FROM THE AQUARIUM PLANT NURSERY
- CONCENTRATED GROWING POWER FOR HEALTHY, RICH GREEN PLANTS
- LONG-ACTING NUTRIENTS FOR MANY YEARS OF MAGNIFICENT GROWTH
- EUROPE'S ONLY SUBSTRATE WITH ACTIVATOR PEARLS FOR INCREASED SOIL FERTILITY •

4595	10	2,4 kg
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4596	5	4,8 kg
------	---	--------



4597	3	9,6 kg
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## NutriBasis 6in1

Nutrient substrate for aquariums – dry mix



NutriBasis 6in1  
2,4 kg packing



NutriBasis 6in1  
4,8 kg packing



NutriBasis 6in1  
9,6 kg packing

- INSTANT AND LONG-TERM EFFECT •
- CONCENTRATED POWER FOR CONTINUOUS LUSH GROWTH •
- WITH ALL IMPORTANT NUTRIENTS AND TRACE ELEMENTS •

4586	12	2,4 kg
------	----	--------



4587	6	4,8 kg
------	---	--------



4588	3	9,6
------	---	-----



## SUBSTRATE STARTER BACTERIA



## FB1 SubstrateStart

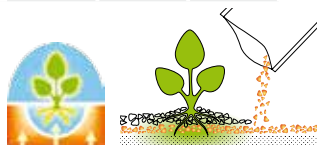
Substrate starter bacteria

Makes the substrate into an active bio-filter – right from the start

- FOR NEW SET-UPS •
- IDEAL FOR BEGINNERS •

Order No.	PU	Contents
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4561	6	50 g for 120 l
------	---	----------------







### Scaper's Soil

#### Active substrate for plant aquaria

- Nutrient substrate for strong plant growth
- With all essential minerals and trace elements
- With fertile volcanic soil
- With bio-filtering function for healthy, clear water
- Actively creates soft, slightly acidic water (approx. pH 6-6.5, KH 0-2 °d)
- With valuable humic and fulvic acids
- Special nutrient formula – does not promote algae

Order No.	PU	Contents
4580	6	4 l
4581	3	8 l



• WITH FERTILE VOLCANIC SOIL •  
(ANDOSOL)



### About andosol:

Scaper's soil has a particularly growth promoting effect due to its content of natural andosol. The term is composed of the Japanese an do, which means „black soil“, and the Latin sol for „ground“. Andosols develop preferably in mountainous, rainy regions on the basis of mineral-rich volcanic ash. The soils are characterized by a dark brown to jet black color. They are particularly rich in vital nutrients, minerals and trace elements. At the same time, they have a high content of humic and fulvic acids valuable. Andosol floors are therefore extremely fertile and agriculturally highly appreciated.







**Natural white,**  
grain size 1-2 mm  
5 kg bag

Order No.	PU	Contents
1743	6	5 kg



**Dark brown**  
grain size 1-2 mm  
5 kg bag

Order No.	PU	Contents
1729	3	10 kg



**Slate grey**  
grain size 1-2 mm  
5 kg bag

Order No.	PU	Contents
1744	6	5 kg



**Fawn**  
grain size 1-2 mm  
5 kg bag

Order No.	PU	Contents
1730	3	10 kg



**Moss green**  
grain size 1-2 mm  
5 kg bag

Order No.	PU	Contents
1748	6	5 kg



**Diamond black**  
grain size 1-2 mm  
5 kg bag

Order No.	PU	Contents
1731	3	10 kg



Order No.	PU	Contents
1749	6	5 kg



Order No.	PU	Contents
1732	3	10 kg



Order No.	PU	Contents
1754	6	5 kg



Order No.	PU	Contents
1728	3	10 kg



Order No.	PU	Contents
1755	6	5 kg



Order No.	PU	Contents
1733	3	10 kg





**Azure blue**  
grain size 1-2 mm  
5 kg-bag

Order No.	PU	Contents
2760	6	5 kg
2761	6	5 kg
2762	6	5 kg



**Panama yellow**  
grain size 1-2 mm  
5 kg-bag



**India red**  
grain size 1-2 mm  
5 kg-bag



## DENNERLE QUARTZ GRAVEL

**OUTSTANDING LOOK.  
PERFECT BIO-FUNCTION.**

- Lime free
- CO<sub>2</sub>-resistant
- Non-fading
- Water-neutral

- **Rounded corners – protection for bottom feeding fish**





Order No.	PU	Contents
5856	5	2 kg
<b>Sumatra Brown</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5857	5	2 kg
<b>Arkansas Grey</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5858	5	2 kg
<b>Sunda White</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5859	5	2 kg
<b>Java Green</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5875	5	2 kg
<b>Panama Yellow</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5876	5	2 kg
<b>India Red</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5877	5	2 kg
<b>Azure Blue</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5913	5	2 kg
<b>Sulawesi Black</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		
5914	5	2 kg
<b>Borneo Brown</b> 2-kg bag 1 pack for 10 l grain size 0,7 - 1,2 mm		

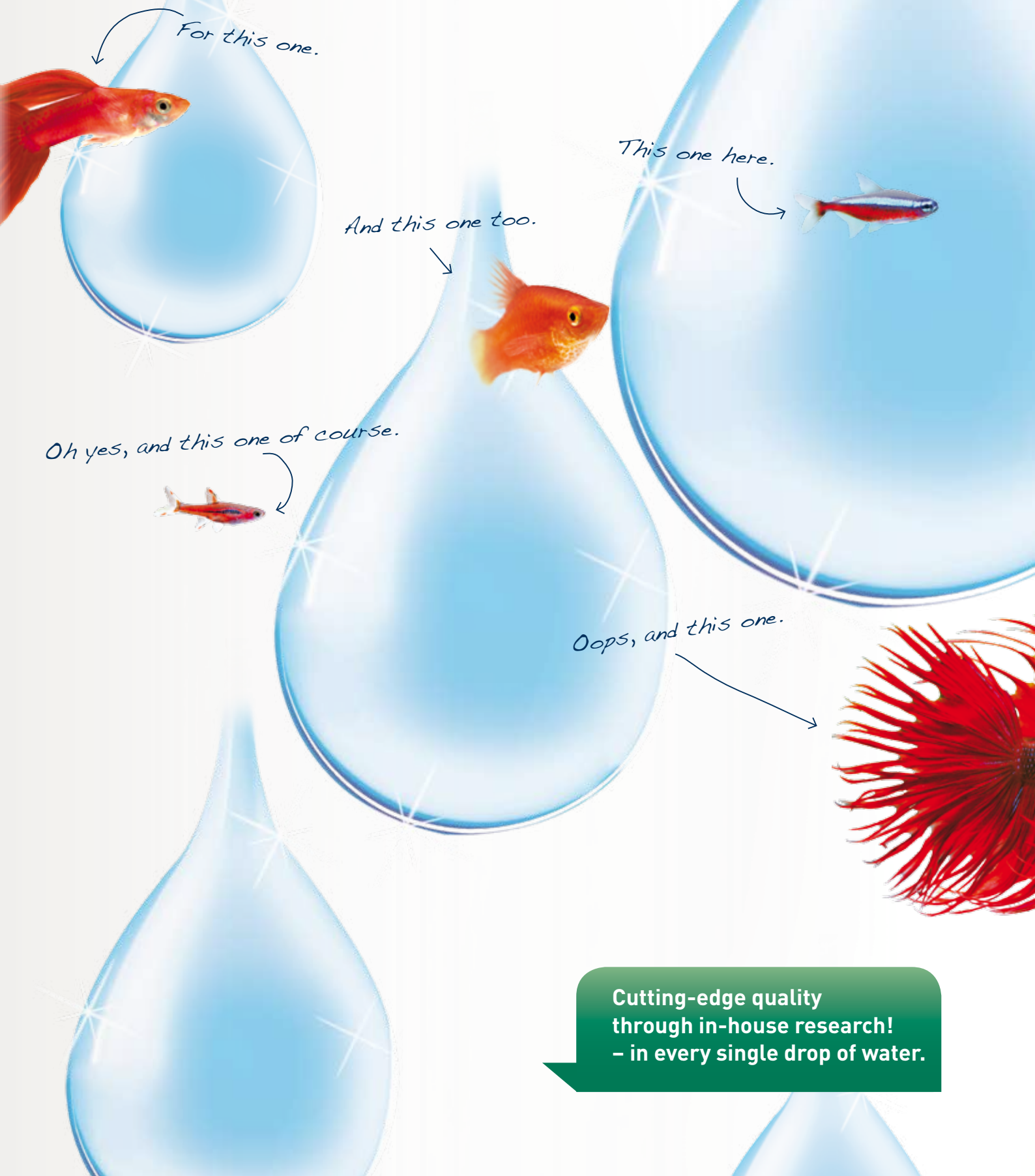






WATER CARE

# FOR THOSE FOR WHOM WATER IS NOT ALL THE SAME.



*For this one.*

*This one here.*

*And this one too.*

*Oh yes, and this one of course.*

*Oops, and this one.*

Cutting-edge quality  
through in-house research!  
– in every single drop of water.



## ClearUp!

### Mineral care clarifier

The universal aquarium optimiser:  
Cleans, maintains, activates

- ClearUp! produces a „white cloud“ in the aquarium, consisting of millions of micro-fine mineral particles
- The mineral particles act like a cleansing summer rain. Like little magnets they extract fine suspended matter, colourings, unpleasant odours, ammonium, heavy metals, medication residues and other harmful substances from the water
- After no more than 24 hours the „cleansing cloud“ has disappeared.

The fascinating effect of ClearUp!

- The whole aquarium is visibly revived
- The fish become more active, eat better and display rich, brilliant colours
- The water acquires a striking clarity and brilliance

• LONG RANGE •



Order No.	PU	Contents
1694	6	25 ml for 800 l
2739	6	50 ml for 1.600 l
2740	3	100 ml for 3.200 l
2741	1	250 ml for 8.000 l



more information: [www.purudor.com/dennerleagmbh](http://www.purudor.com/dennerleagmbh)



## Avera

### Water treatment

Instantly transforms harmful tap water into fish and plant friendly aquarium water:

- Neutralises harmful chlorine
- Binds toxic heavy metals (copper, lead)
- Adds natural bio-active ingredients
- With Complete Care Complex, all-round protection for all fish:
- Valuable care colloids and aloe vera provide gills and mucous membranes with lasting protection
- Dexpanthenol promotes the healing of minor injuries
- Active iodine ensures healthy thyroid function
- With vitamin B complex – prevents stress
- Immune stimulators strengthen the body's defences

• LONG RANGE •

1693	6	25 ml for 800 l
2721	6	50 ml for 1.600 l
2722	3	100 ml for 3.200 l
2723	1	250 ml for 8.000 l
2724	1	500 ml for 16.000 l





## AveraProtect

### Water treatment

For aquarium water suitable for fish

- Neutralises harmful chlorine
- Binds toxic heavy metals
- Protects the fish

For 2,000 l of fresh water

• EFFECTIVE IMMEDIATELY •

Order No.	PU	Contents
2758	6	500 ml



4 001615 027587



## FB7 BiActive

### Clear water filter bacteria

Highly active, concentrated mixture of live cleaning bacteria

- Removes fish excretions, food residues and dead plant matter, even in inaccessible areas
- Activates aquarium filter, improves the filter performance
- With sludge-degrading bacteria: Reduce organic sludge on the aquarium bed and in the filter
- For all freshwater aquariums

• GUARANTEE •

AT LEAST 100,000,000 LIVING CLEAR WATER BACTERIA PER MILLILITRE

1692	6	25 ml for 800 l
2728	6	50 ml for 1.600 l
2729	3	100 ml for 3.200 l
2730	1	250 ml for 8.000 l



4 001615 016925



4 001615 027280



4 001615 027297



4 001615 027303



## TR7 Tropic

### Tropical water treatment

- Creates aquarium water just like natural, tropical water
- No visually disruptive water discoloration
- Makes it easier to acclimatise and care for all fish from black water regions, such as discus, neons, scalars and dwarf cichlids
- With valuable humic substances and tannins from humic peat, oak bark and alder cones
- Reduces stress by creating water conditions like those in nature
- Strengthens the mucous membrane, strengthens the body's defences
- Increases spawning and hatching rates

• POPULAR WITH SHRIMP BREEDERS •

1696	6	25 ml for 800 l
2725	6	50 ml for 1.600 l
2726	3	100 ml for 3.200 l
2727	1	250 ml for 8.000 l



4 001615 016963



4 001615 027259



4 001615 027266



4 001615 027273







## Elements+

### Trace elements

- With multivitamin complex
- Provides fish with all essential trace elements
- Adds the specific minerals which are lacking in tap water or become depleted in aquariums, such as iron, zinc, manganese, molybdenum and lithium
- Ideal for adding trace elements to osmosis water

Order No.	PU	Contents
1697	6	25 ml for 800 l
2742	6	50 ml for 1.600 l
2743	3	100 ml for 3.200 l



## KH+

### Water hardener

- Quickly and safely raises the carbonate hardness to species-appropriate levels
- Increases and stabilises the pH value
- Readily soluble, simple to use
- For healthy growth, vitality and wellbeing
- For all freshwater aquariums, ideal for hardening osmosis water

2731	6	50 g for 1.600 hardness litres
2732	1	250 g for 8.000 hardness litres
2735	1	1.100 g for 35.000 hardness litres



## GH/KH+

### Water hardener

- Increases total hardness and carbonate hardness in a 2:1 ratio
- Creates a natural ion spectrum in the water, similar to that which tropical fish are accustomed to in their native waters
- Stabilises the pH value
- Ideal for hardening osmosis water
- For all freshwater aquariums

2734	1	250 g for: GH 6.000 hardness litres KH 3.000 hardness litres
2737	1	1.100 g for: GH 26.000 hardness litres KH 13.000 hardness litres





## Catappa Leaves

### Indian almond leaves

The mature, dried leaves of the Indian almond tree *Terminalia catappa* are considered to be one of the recipes for success by Asian breeders and exporters of aquarium fish. They contain numerous natural active ingredients which have a positive effect on water and fish.

• 100% NATUR •

Order No.	PU	Contents
2744	6	10 pc. for 1.000 l



4 001615 027440



## Aqua Rico Black Cones

### Alder cones

- For aquarium water just like natural, tropical water
- Promote wellbeing, vitality and spawning
- Strengthen and protect the mucous membranes
- Prevent fungal diseases and spawn mould
- Have a slightly acidifying effect and stabilize the pH value

• 100% NATUR •

Order No.	PU	Contents
2748	6	40 g for 1.200 l



4 001615 027488



## Aqua Rico Catappa Bark

### Indian almond bark

Natural water maintenance and decoration

- Aquarium water just like natural, tropical water
- For fish (discus, catfish, tetras, etc.), shrimps and crayfish
- Protects the mucous membrane, guards against infections
- Purely natural product

8 pieces for 800 l, 12 cm

• 100% NATUR •

Order No.	PU	Contents
2756	6	8 pc.



4 001615 027563





### NitratStop Supra

**Removes nitrate from freshwater aquariums**

- Deprives algae of nutrients
- Can be re-used many times
- Can be regenerated with common household salt
- **Combats algae**

• BINDS UP TO 12,500 MG NITRATE •

Order No.	PU	Contents
3636	6	250 ml



### PhosphatStop Supra

**Removes phosphate from freshwater aquariums**

- Deprives algae of nutrients
- Fast, visible success
- Effective for up to 6 months
- **Combats algae**

• BINDS UP TO 24,000 MG PHOSPHATE •

Order No.	PU	Contents
3637	6	300 g







## Clear water ActiveCarbon Special

**High efficiency filter carbon for freshwater aquariums**

- Binds residual medication quickly and reliably
- Removes chlorine and contaminants from tap water
- For crystal-clear, healthy aquarium water

• FAST EFFECT •  
• VERY PRODUCTIVE •

Order No.	PU	Contents
3734	4	1 l



## Clear water MicroFilter Fleece 25x75cm

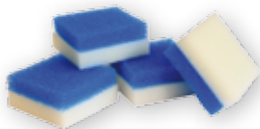
**Highly effective, micro-fine special filter mat for all aquaria**

- Removes even suspended algae („green water“)
- Innovative high-density microfibre
- For crystal-clear, clean water

• PREVENTS ALGAL BLOOMS AND GREEN WATER •

3739	10	1 pc.
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**Filter cartridges CO.C.200**  
4+4

Order No.	PU	Contents
1908	1	8 pc.



**Filter cartridges 2-layer**  
Pack of 2

Order No.	PU	Contents
1903	1	2 pc.

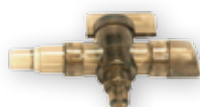


BIOTROP-STABILISATOR



**BIOTROP Stabiliser**  
Unit cover

Order No.	PU	Contents
1937	1	



**BIOTROP Stabiliser**  
Unit distributor junction

Order No.	PU	Contents
1940	1	





## Turbo Skimmer

### Surface skimmer for aquariums

- Removes scum
- Increases the oxygen content in fresh and saltwater
- For unrestricted lighting
- Fully adjustable surface water / deep water suction ratio
- Floating skimmer basket automatically adjusts to the water level
- For all aquariums from 25 cm in height
- Compact shape
- For all exterior and hang-on filters

Order No.	PU	Contents
5608	1	



4 001615 056082



## Gravel cleaner

- With double valve for simple use
- Slimline suction pipe (50 cm)  
- ideal for plant aquariums

Order No.	PU	Contents
5890	1	1



4 001615 058901



## Cleanator

### Cleaning sponge for aquarium glass

- 2 sides (sponge and stainless steel)
- effortlessly and effectively removes even the most stubborn algae and limescale deposits
- gets into the tightest of corners, thanks to its ergonomic shape

Order No.	PU	Contents
4603	18	



4 001615 046038



## SnailCatcher

### To remove unwanted snails

- With extendable telescopic handle
- Length: 28 – 31 cm

Order No.	PU	Contents
4039	1	



4 001615 040395







## REVERSE OSMOSIS



Dennerle reverse osmosis provides the purest aquarium water  
For those for whom it really matters – use quality products when it comes to your water.



## Osmose Compact 130

### Complete system

#### For producing soft, high-purity water

- Maximum output: 130 l / day at 25°C and 4 bar pressure
- Output under normal operating conditions: 70 - 120 l / day at 10-15 °C and 3-6 bar pressure
- Retention rate: at least 95%
- Supplied ready for connection, including 3/4" tap adapter („washing machine adapter“)
- Simple to use

Order No.	PU	Contents
7039	1	



4 001615 070392



## Osmose Professional 190

### Complete system

#### For producing soft, high-purity water

- Maximum output: 190 l / day at 25°C and 4 bar pressure
- Output under normal operating conditions: 100 - 170 l / day at 10-15 °C and 3-6 bar pressure
- Retention rate: at least 95%
- Supplied ready for connection, including 3/4" tap adapter („washing machine adapter“)
- Simple to use

Order No.	PU	Contents
7040	1	



4 001615 070408



## Flow restrictor 200cc for Osmose Compact 130

Order No.	PU	Contents
7037	1	



4 001615 070378



## Flow restrictor 300 cc for Osmose Professional 190

Order No.	PU	Contents
7038	1	



4 001615 070385



## Osmose ReMineral+

### Multi-mineral salt

#### for osmosis water and other soft water. For all freshwater aquariums. For increased hardness and mineralisation

- Increases total hardness and carbonate hardness
- Stabilises the pH value
- With valuable minerals and trace elements

Order No.	PU	Contents
7035	1	250 g for: 5,000 hardness litres
7036	1	1,100 g for: 22,000 hardness litres

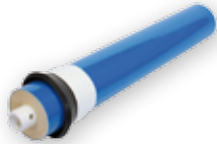


4 001615 070354



4 001615 070361





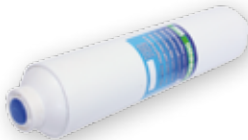
**Replacement membrane  
for Osmose Compact 130**

Order No.	PU	Contents
7022	1	



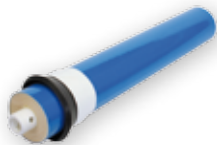
**Osmose fine filter**

Order No.	PU	Contents
7023	1	



**Osmose carbon filter**

Order No.	PU	Contents
7027	1	



**Replacement membrane  
For Osmose Professional 190**

Order No.	PU	Contents
7028	1	



**Osmose fitting 1/4 straight**

Order No.	PU	Contents
7024	1	



**Osmose fitting 1/4 angle**

Order No.	PU	Contents
7025	1	



**Osmose fitting 1/8 angle**

Order No.	PU	Contents
7026	1	







**Osmose hose**  
blue

Order No.	PU	Contents
7029	1	2 m



**Osmose hose**  
white

Order No.	PU	Contents
7030	1	2 m



**Osmose hose inserts**

Order No.	PU	Contents
7031	1	25 pc..



**Osmose key**  
membrane casing

Order No.	PU	Contents
7032	1	



**Osmose tap adapter**  
chrome-plated

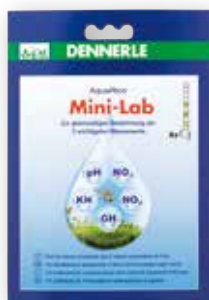
Order No.	PU	Contents
7033	1	



**Osmose tap**  
2-way combi-adapter

Order No.	PU	Contents
7034	1	





## Mini-Lab

### 60-second test

- 5 test strips
- For simultaneous determination of the five most important water values in freshwater: pH, KH, GH, nitrite, nitrate

Order No.	PU	Contents
7125	6	5 pc.



4 001615 071252



## Nitrate immersion test

### Important for:

algae problems, large stocks of fish, few plants

- With nitrite warning zone.
- Laboratory quality.

25 test strips. For instant measurement

• DIP - READ - DONE •

Order No.	PU	Contents
7150	1	25 pc.



4 001615 071504



## 3-in-1 immersion test

pH • KH • GH

Measures pH value, carbonate hardness and total hardness.

- Laboratory quality.

25 test strips. For instant measurement

Order No.	PU	Contents
7121	3	25 pc.



4 001615 071214

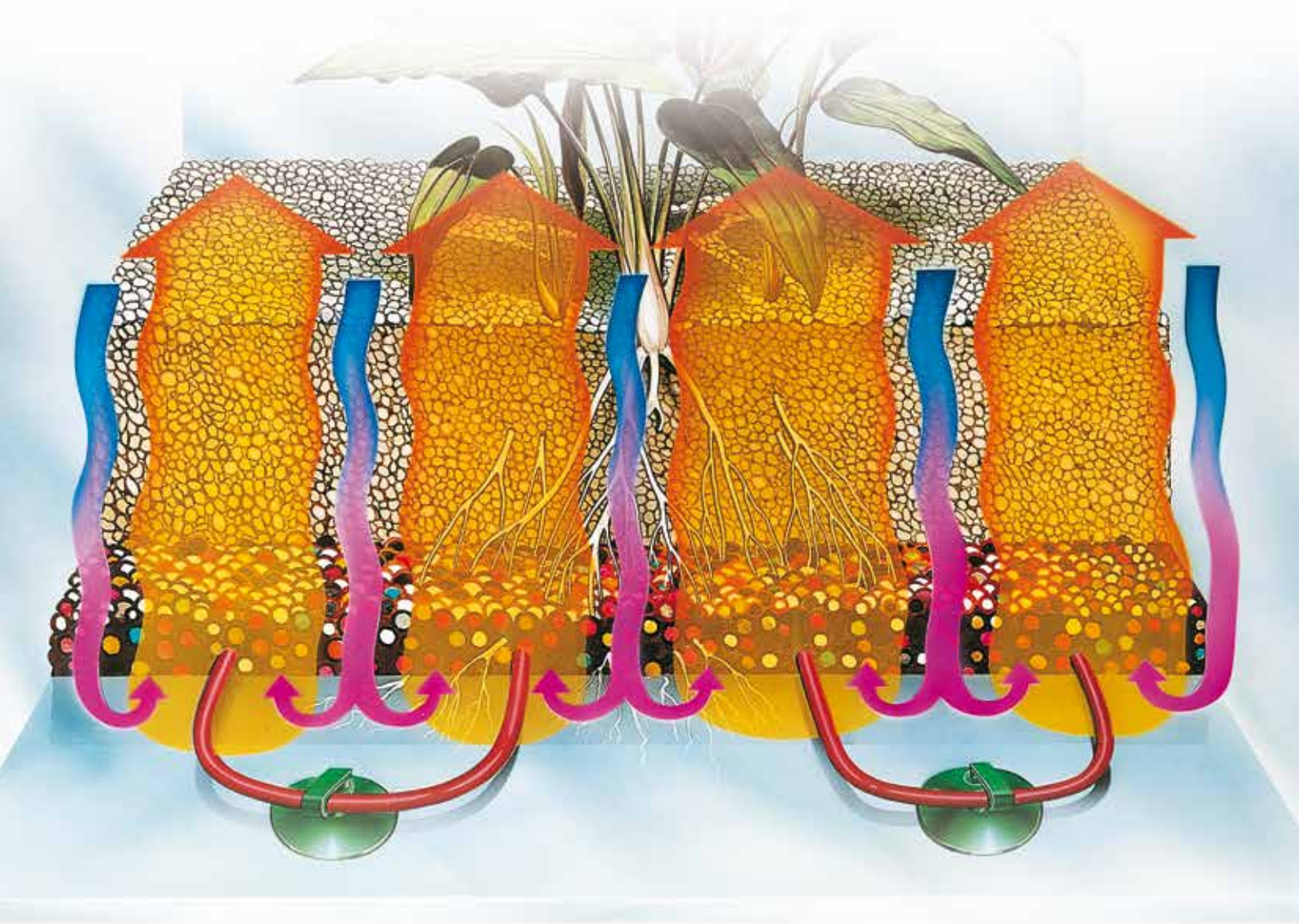






# PRECISE, RELIABLE

## ... AND FOLLOWING THE EXAMPLE SET BY NATURE



### And these are the facts:

A Bodenfluter heating cable, which only emits low-level heat, makes it possible to construct a fine-grain substrate structure like in nature. You easily achieve slow and constant percolation through the whole substrate and lasting transport of nutrients. Both the nutrient environment and the overall bio-filter function is demonstrably better in an aquarium equipped with a low-power Bodenfluter than in an aquarium without a Bodenfluter.

**An underwater climate  
like in nature.**





### DUOMAT Evolution Deluxe

With overnight reduction and summer mode.

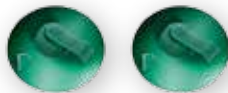
Includes :

- Alarm function
- Dimmable display
- Bottom heater indicator light
- Water heater indicator light
- Child safety lock

Order No.	PU	Contents
1616	1	



## THERMO-CONTROL BODENFLUTER



### Suction clips for Bodenfluter

Order No.	PU	Contents
1669	1	5 pc.
1649	1	12 pc.



### ThermoTronic

Eco-Bodenfluter

- With electronic energy saving transformer
- Incl. mounting suckers

• 12 VOLT SAFETY VOLTAGE •

**5 W**

For aquariums: 30 - 60 l

1631

1



**10 W**

For aquariums: 60 - 120 l

1632

1



**20 W**

For aquariums: 120 - 200 l

1633

1





**Suction clips for Bodenfluter 4W**

Order No.	PU	Contents
1668	1	10 pc.



4 001615 016680

## USEFUL ACCESSORIES



**Dennerle Aquarium-Thermometer**

**With sucker**

- Top quality
- Especially accurate
- Easy to read
- Individually tested

Order No.	PU	Contents
1410	1	



4 001615 014105





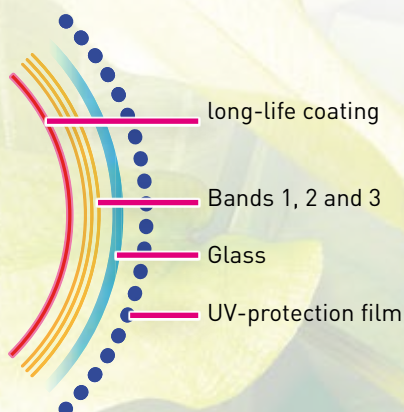
# THE LATEST TECHNOLOGY TO REPLICATE THE EFFECTS OF THE SUN



## Perfect!

Unique Trocal Longlife technique  
+ filtering of unwanted UV light.

Dennerle  
Trocal



### With modern 3 band technology for UV stop:

- No unwanted UV light (the light spectrum is cut off under 400 nm)
- High light output (lumen value)
- Long lifespan
- Low loss of light intensity over the course of its lifespan
- Bright, vibrant coloured fish and plants thanks to Trocal Colour-Peaks



# TROCAL BRINGS THE SUN INTO YOUR AQUARIUM

## For magnificent plants and vibrant fish

### Amazon Day

Our recommendation for single-source aquarium lighting, as bright and clear as a summer's day (6,000 Kelvin)  
Very good in combination with **Special Plant**.



### Special Plant

Warm white light (3,000 Kelvin) for optimum plant growth, ideal in combination with **Colour Plus**.



### Color Plus

Enhances the natural colours, ideal in combination with **Special Plant**.  
Tip: Ideally position **Colour Plus** towards the front.



### With modern 3-band technology for UV-Stop:

- No unwanted UV light (the light spectrum is cut off below 400 nm)
- High light output (lumen value)
- Long service life
- Low loss of light intensity over the course of its service life
- Bright, vibrant colours from fish and plants thanks to Trocal Colour Peaks

## 3 simple steps to the right lighting

### 1. Select tube type

> T5 (16mm Ø) or T8 (26mm Ø)



### 2. Select light colour

> (Amazon Day, Special Plant and/or Colour Plus)



### 3. Select tube length

> (438 – 1,500 mm)





# ENERGY EFFICIENT, LONG-LASTING AND ALGAE-UNFRIENDLY DENNERLE TROCAL – THE COST-EFFECTIVE ALTERNATIVE TO LED LIGHTING.

## More light for your money with Dennerle Trocal COMPARE FOR YOURSELF!

## DENNERLE TROCAL BEATS ALL THE COMPETITION!

Thanks to 3-band technology, Trocal tubes reach much higher lumen values compared with standard full-spectrum tubes.

T8	Amazon Day			Special Plant		
	Full spectrum	Dennerle	Gain	Full spectrum	Dennerle	Gain
15 W (438 mm)	600 Lumen	900 Lumen	+ 50 % more power	750 Lumen	950 Lumen	+ 27 % more power
18 W (590 mm)	850 Lumen	1.300 Lumen	+ 53 % more power	1.000 Lumen	1.350 Lumen	+ 35 % more power
25 W (742 mm)	1.300 Lumen	2.100 Lumen	+ 62 % more power	1.450 Lumen	2.200 Lumen	+ 52 % more power
30 W (895 mm)	1.450 Lumen	2.300 Lumen	+ 59 % more power	1.650 Lumen	2.400 Lumen	+ 45 % more power
36 W (1.047 mm)	2.000 Lumen	3.250 Lumen	+ 63 % more power	2.350 Lumen	3.350 Lumen	+ 40 % more power
38 W (1.200 mm)	2.000 Lumen	3.000 Lumen	+ 50 % more power	2.300 Lumen	3.300 Lumen	+ 45 % more power
58 W (1.500 mm)	3.150 Lumen	5.000 Lumen	+ 59 % more power	3.750 Lumen	5.200 Lumen	+ 39 % more power

T5	Amazon Day			Special Plant		
	Full spectrum	Dennerle	Gain	Full spectrum	Dennerle	Gain
24 W (438 mm)	1.100 Lumen	1.650 Lumen	+ 50 % more power	1.200 Lumen	1.750 Lumen	+ 46 % more power
24 W (549 mm)	1.250 Lumen	1.800 Lumen	+ 44 % more power	1.400 Lumen	1.950 Lumen	+ 39 % more power
28 W (590 mm)	1.300 Lumen	2.100 Lumen	+ 62 % more power	1.450 Lumen	2.250 Lumen	+ 55 % more power
35 W (742 mm)	1.600 Lumen	2.850 Lumen	+ 78 % more power	1.800 Lumen	3.050 Lumen	+ 69 % more power
39 W (849 mm)	2.200 Lumen	3.250 Lumen	+ 48 % more power	2.500 Lumen	3.500 Lumen	+ 40 % more power
45 W (895 mm)	2.300 Lumen	3.600 Lumen	+ 57 % more power	2.600 Lumen	3.800 Lumen	+ 46 % more power
54 W (1.047 mm)	3.000 Lumen	4.350 Lumen	+ 45 % more power	3.200 Lumen	4.650 Lumen	+ 45 % more power
54 W (1.149 mm)	3.400 Lumen	4.550 Lumen	+ 34 % more power	3.800 Lumen	5.000 Lumen	+ 32 % more power
54 W (1.200 mm)	3.400 Lumen	4.650 Lumen	+ 37 % more power	3.800 Lumen	5.000 Lumen	+ 32 % more power
80 W (1.449 mm)	4.750 Lumen	6.650 Lumen	+ 40 % more power	5.300 Lumen	7.000 Lumen	+ 32 % more power

Trocal T5 tubes: 10,000 hours of light (approx. 2 years)

Trocal T8 tubes: 15,000 hours of light (approx. 3 years)

A reduced UV light component inhibits the growth of algae.

**2 years**  
Guarantee





### TROCAL-de Luxe T8

#### Special-Plant

3,000 kelvin

Warm, plant-active light

- Special spectrum = prevents algae
- Colour rendition: EXCELLENT
- Longlife technology:  
Over 15,000 hours of light
- With TROCAL Colour Peaks
- Fish glow in their finest colours
- Ideal growing light for plants

#### Special-Plant 15 Watt 60 Lumen / Watt

1121

4

438  
mm

#### Special-Plant 18 Watt 72 Lumen / Watt

1122

4

590  
mm

#### Special-Plant 25 Watt 84 Lumen / Watt

1123

4

742  
mm

#### Special-Plant 30 Watt 76 Lumen / Watt

1124

4

895  
mm

#### Special-Plant 36 Watt 90 Lumen / Watt

1125

4

1200  
mm

#### Special-Plant 38 Watt 78 Lumen / Watt

1126

4

1047  
mm

#### Special-Plant 58 Watt 86 Lumen / Watt

1127

4

1500  
mm



4 001615 011210



4 001615 011227



4 001615 011234



4 001615 011241



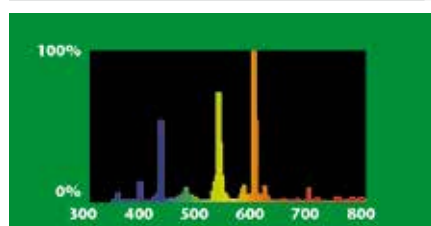
4 001615 011258



4 001615 011265



4 001615 011272







### TROCAL de Luxe T8

#### Amazon-Day

6.000 Kelvin

Fresh, natural light

- With UV-Stop = prevents algae
- Colour reproduction: VERY GOOD
- Long-life technology:  
Over 15,000 hours of light
- With TROCAL Colour-Peaks
- Fish glow in their most beautiful colours
- The best growing light for plants

#### Amazon-Day 15 W 60 Lumen / Watt

1331

4

438  
mm

#### Amazon-Day 18 W 72 Lumen / Watt

1332

4

590  
mm

#### Amazon-Day 25 W 84 Lumen / Watt

1333

4

742  
mm

#### Amazon-Day 30 W 76 Lumen / Watt

1334

4

895  
mm

#### Amazon-Day 36 W 90 Lumen / Watt

1335

4

1.200  
mm

#### Amazon-Day 38 W 78 Lumen / Watt

1336

4

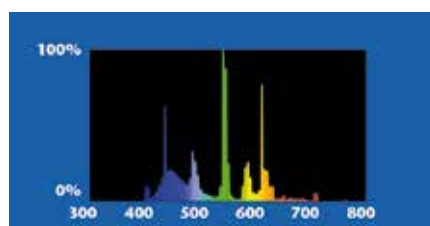
1.047  
mm

#### Amazon-Day 58 W 86 Lumen / Watt

1337

4

1.500  
mm





### TROCAL-Super Colour Plus T8

Highly effective for red, orange and blue

- With UV stop = prevents algae
- Proven modern bulb technology
- With TROCAL Colour Peaks
- Fish glow in their finest colours
- Ideal growing light for plants

**Color-Plus 15 W**  
60 Lumen / Watt

**Color-Plus 18 W**  
72 Lumen / Watt

**Color-Plus 25 W**  
84 Lumen / Watt

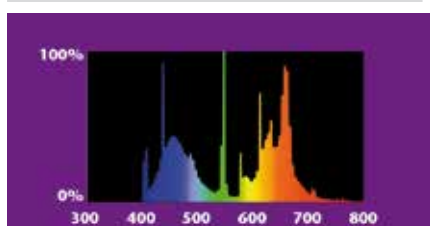
**Color-Plus 30 W**  
76 Lumen / Watt

**Color-Plus 36 W**  
90 Lumen / Watt

**Color-Plus 38 W**  
78 Lumen / Watt

**Color-Plus 58 W**  
86 Lumen / Watt

Order No.	PU	Contents
1341	4	438 mm
1342	4	590 mm
1343	4	742 mm
1344	4	895 mm
1345	4	1.200 mm
1346	4	1.047 mm
1347	4	1.500 mm





## TROCAL T5

### Special Plant

Ideal growing light for aquarium plants

- With UV stop – prevents algae
- Creates a warm, particularly harmonious light atmosphere
- Optimum photosynthesis spectrum and ideal colour temperature for magnificent, lush growth of all aquarium plants
- Excellent colour rendition – brings out the natural colouring of fish and plants in all its glory
- Trocal Longlife technology: Over 10,000 hours of light

### Special Plant 24 W 72 Lumen / Watt

### Special Plant 24 W 81 Lumen / Watt

### Special Plant 28 W 80 Lumen / Watt

### Special Plant 35 W 87 Lumen / Watt

### Special Plant 39 W 89 Lumen / Watt

### Special Plant 45 W 84 Lumen / Watt

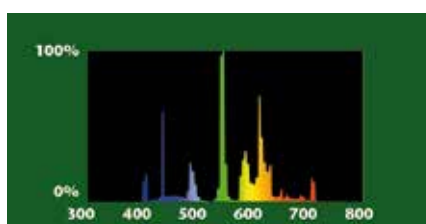
### Special Plant 54 W 86 Lumen / Watt

### Special Plant 54 W 92 Lumen / Watt

### Special Plant 54 W 92 Lumen / Watt

### Special Plant 80 W 87 Lumen / Watt

Order No.	PU	Contents
2912	4	438 mm*
2900	4	549 mm
2913	4	590 mm*
2914	4	742 mm*
2901	4	849 mm
2915	4	895 mm*
2916	4	1.047 mm*
2902	4	1.149 mm
2917	4	1.200 mm*
2903	4	1.449 mm



\* Suitable for Juwel aquariums







### TROCAL T5

#### Amazon Day

Brilliant daylight for freshwater aquariums

- With UV stop – prevents algae
- Fresh, vivid light like noon on a beautiful summer's day
- Excellent colour rendition – brings out the natural colouring of fish and plants in all its glory
- Ideal for replicating sun-drenched waters e.g. Malawi and Tanganyika aquariums
- Outstanding growing light for aquarium plants
- Trocal Longlife technology: Over 10,000 hours of light



#### Amazon Day 24 W 72 Lumen / Watt

2918

4

438 mm\*



4 001615 029185

#### Amazon Day 24 W 81 Lumen / Watt

2904

4

549 mm



4 001615 029048

#### Amazon Day 28 W 80 Lumen / Watt

2919

4

590 mm\*



4 001615 029192

#### Amazon Day 35 W 87 Lumen / Watt

2920

4

742 mm\*



4 001615 029208

#### Amazon Day 39 W 89 Lumen / Watt

2905

4

849 mm



4 001615 029055

#### Amazon Day 45 W 84 Lumen / Watt

2921

4

895 mm\*



4 001615 029215

#### Amazon Day 54 W 86 Lumen / Watt

2922

4

1.047 mm\*



4 001615 029222

#### Amazon Day 54 W 92 Lumen / Watt

2906

4

1.149 mm



4 001615 029062

#### Amazon Day 54 W 92 Lumen / Watt

2923

4

1.200 mm\*



4 001615 029239

#### Amazon Day 80 W 87 Lumen / Watt

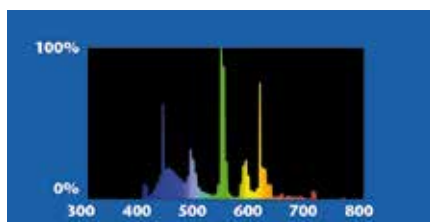
2907

4

1.449 mm



4 001615 029079



\* Suitable for Juwel aquariums





## TROCAL T5

### Colour Plus

Intensive colour boost for freshwater aquariums

- With UV stop – prevents algae
- Specifically enhances the natural vibrant colours of fish and plants
- Especially intensifies red, orange and blue tones
- With extra-strong colour peaks in the red and blue spectral range for intensive, vibrant colours
- Perfect to combine with Trocal T5 Amazon-Day
- Trocal Longlife technology: Over 10,000 hours of light

**Color Plus 24 W**  
72 Lumen / Watt

2924

4

438  
mm\*

**Color Plus 24 W**  
81 Lumen / Watt

2908

4

549  
mm

**Color Plus 28 W**  
80 Lumen / Watt

2925

4

590  
mm\*

**Color Plus 35 W**  
87 Lumen / Watt

2926

4

742  
mm\*

**Color Plus 39 W**  
89 Lumen / Watt

2909

4

849  
mm

**Color Plus 45 W**  
84 Lumen / Watt

2927

4

895  
mm\*

**Color Plus 54 W**  
86 Lumen / Watt

2928

4

1.047  
mm\*

**Color Plus 54 W**  
92 Lumen / Watt

2910

4

1.149  
mm

**Color Plus 54 W**  
92 Lumen / Watt

2929

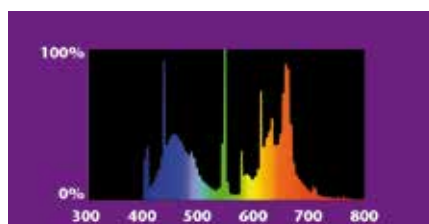
4

1.200  
mm\*

**Color Plus 80 W**  
87 Lumen / Watt

2911

4

1.449  
mm

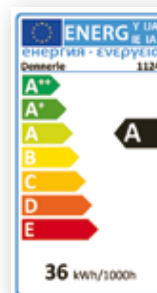
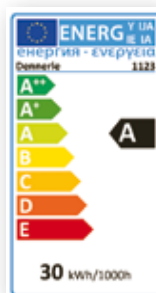
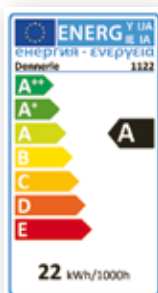
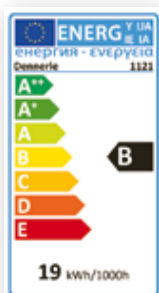
\* Suitable for Juwel aquariums



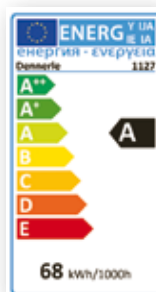
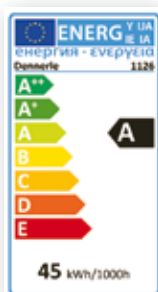
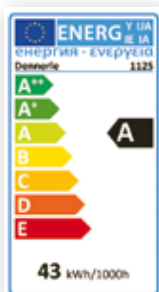


### Trocal T8 – Special Plant

15 Watt – 438 mm	18 Watt – 590 mm	25 Watt – 742 mm	30 Watt – 895 mm
950 Lumen 900 Lux*	1.350 Lumen 920 Lux*	2.200 Lumen 1.010 Lux*	2.400 Lumen 1.020 Lux*

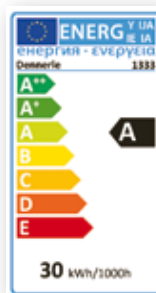
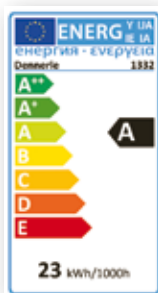
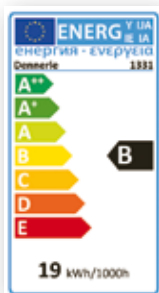


36 Watt – 1.200 mm	38 Watt – 1.047 mm	58 Watt – 1.500 mm
3.350 Lumen 1.030 Lux*	3.300 Lumen 1.160 Lux*	5.200 Lumen 1.240 Lux*

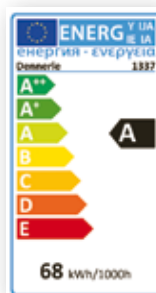
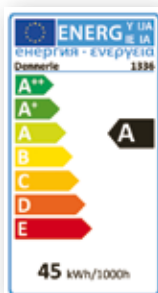
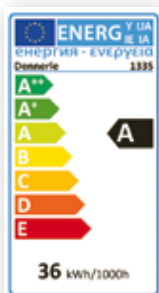


### Trocal T8 – Amazon Day

15 Watt – 438 mm	18 Watt – 590 mm	25 Watt – 742 mm	30 Watt – 895 mm
900 Lumen 850 Lux*	1.300 Lumen 920 Lux*	2.100 Lumen 930 Lux*	2.300 Lumen 940 Lux*



36 Watt – 1.200 mm	38 Watt – 1.047 mm	58 Watt – 1.500 mm
3.250 Lumen 950 Lux*	3.000 Lumen 1.020 Lux*	5.000 Lumen 1.120 Lux*

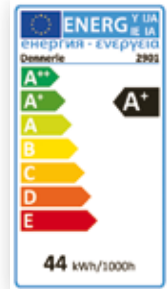
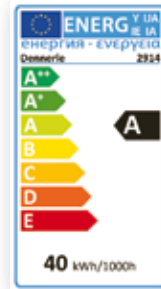
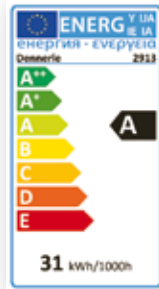
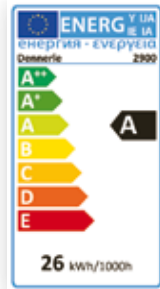


Depth of 30 cm / without reflector

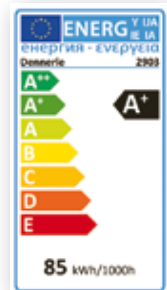
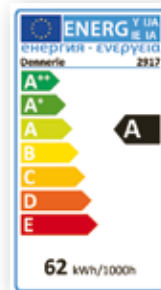
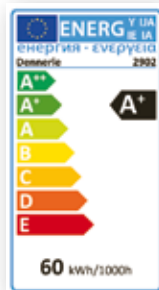
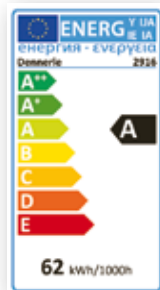
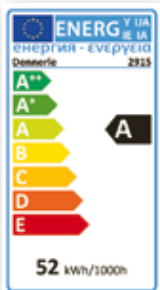


## Trocal T5 – Special Plant

24 Watt – 438 mm	24 Watt – 549 mm	28 Watt – 590 mm	35 Watt – 742 mm	39 Watt – 849 mm
1.750 Lumen 1.830 Lux*	1.950 Lumen 1.860 Lux*	2.250 Lumen 1.980 Lux*	3.050 Lumen 2.190 Lux*	3.500 Lumen 2.520 Lux*

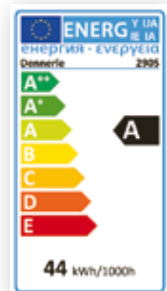
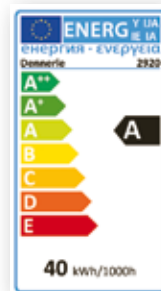
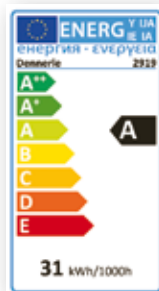
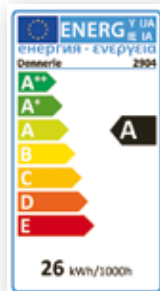
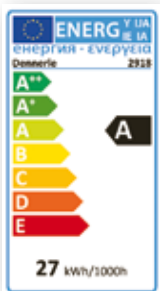


45 Watt – 895 mm	54 Watt – 1.047 mm	54 Watt – 1.149 mm	54 Watt – 1.200 mm	80 Watt – 1.449 mm
3.800 Lumen 2.210 Lux*	4.650 Lumen 2.500 Lux*	5.000 Lumen 2.510 Lux*	5.000 Lumen 2.390 Lux*	7.000 Lumen 2.840 Lux*

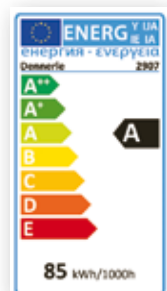
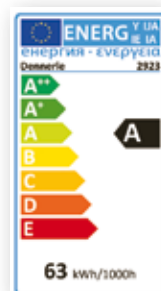
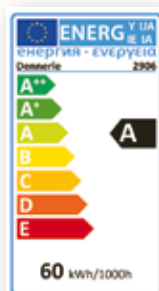
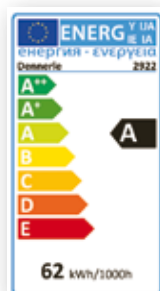
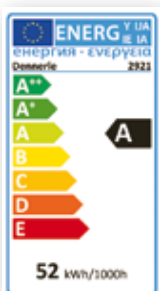


## Trocal T5 – Amazon Day

24 Watt – 438 mm	24 Watt – 549 mm	28 Watt – 590 mm	35 Watt – 742 mm	39 Watt – 849 mm
1.650 Lumen 1.770 Lux*	1.800 Lumen 1.800 Lux*	2.100 Lumen 1.850 Lux*	2.850 Lumen 2.140 Lux*	3.250 Lumen 2.520 Lux*

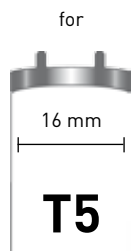


45 Watt – 895 mm	54 Watt – 1.047 mm	54 Watt – 1.149 mm	54 Watt – 1.200 mm	80 Watt – 1.449 mm
3.600 Lumen 2.180 Lux*	4.350 Lumen 2.340 Lux*	4.550 Lumen 2.530 Lux*	4.650 Lumen 2.450 Lux*	6.650 Lumen 3.000 Lux*



Depth of 30 cm / without reflector





### TROCAL Longlife Power Reflect - only for T5

#### T5 Power Reflect 24 Watt

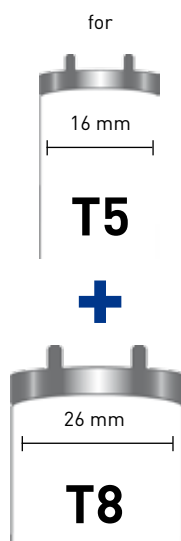
Order No.	PU	Contents
1386	1	549 mm
1387	1	849 mm
1388	1	1.149 mm



#### T5 Power Reflect 39 Watt



#### T5 Power Reflect 54 Watt



### TROCAL Longlife Power Reflect - suitable for T5 und T8

#### Power Reflect T5 80 Watt T8 58 Watt



#### Power Reflect T5 24 Watt T8 15 Watt



#### Power Reflect T5 28 Watt T8 18 Watt



#### Power Reflect T5 35 Watt T8 25 Watt



#### Power Reflect T5 45 Watt T8 30 Watt



#### Power Reflect T5 54 Watt T8 36 Watt



#### Power Reflect T5 54 Watt T8 38 Watt





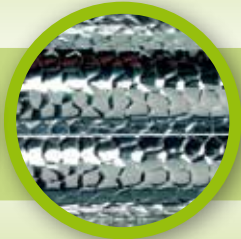
# TROCAL Longlife Power Reflect

Over 100% more light

Computer-calculated  
double ellipsoid shape:  
Illuminates deep into  
the aquarium

Corrosion resistant, stable,  
high-gloss, long-life aluminium.

Safe handling thanks to  
protective corners



Specially structured  
honeycomb surface for  
even lighting

High-quality,  
UV-resistant  
long-life clips



Mounting clips T8

Order No.	PU	Contents
1397	1	2 pc.



Mounting clips T5

Order No.	PU	Contents
1399	1	2 pc.





# A QUANTUM LEAP IN FISH NUTRITION!

**NEW!**  
**NO FISH MEAL!**

## DENNERLE RESEARCH PAYS OFF!

Thanks to ongoing research and development in the ornamental fish segment, Dennerle now offers optimised foods for all aquarium fish in all areas. This is an entirely new level of quality that stands out from the crowd of conventional foods, making it a completely new product!



THE FIRST **PREBIOTIC** AND **PROBIOTIC** NATURAL FOOD  
WITH **NO FISH MEAL** FOR YOUR AQUARIUM FISH!

## COMPARE OUR INGREDIENTS AGAINST THOSE IN REGULAR INDUSTRIAL ORNAMENTAL FISH FOOD!

### This is what makes our production process different:

- Guaranteed NO fish meal or cheap fillers!
- Absolutely honest and transparent list of contents!
- Real hand-work "made in Germany"!
- Controlled food quality
- Carefully selected raw ingredients
- Production preserves as many vitamins as possible

### And this is why it's good for all ornamental fish:

- Maintains health and ensures balanced growth
- Promotes vital colours
- Maintains vitality and fertility
- Improves resistance against disease
- Easily digestible = less water pollution
- Gives your fish a long, happy life



### COMPLETE Gourmet Menu

**Basic food for all ornamental fish**  
**31% Krill & 1.8% Micro-Plankton**

This food was designed to suit the residents of classic community tanks. With 30 different ingredients, these fine granules are highly acceptable to fish of various sizes. 60% of this food consists of natural crustaceans and molluscs, 4% is natural algae. This is the first fish food to use the leaves of the "wonder tree" Moringa olifera, with its high proportions of trace elements and vitamins.

**Complete food for ornamental fish**

**Composition:** Arctic krill (31%), wheat protein, cuttlefish, omega-3 marine oil, freshwater shrimp, water fleas, grass hoppers, fly larvae, coralline red algae, yeast extract, green-lipped mussel extract, Artemia, Artemia nauplii, Moringa oleifera, chicory inulin, spinach, red mosquito larvae, Nannochloropsis algae (1%), herbal extracts, white cabbage, Spirulina platensis (0.5%), Melissa, garlic, chickweed, Chlorella algae (0.3%), fennel, aniseed, flower pollen, grape seed flour, beta-glucans

**Additives per kg: Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effects: 2.000 IE E 671 Vitamin D3 Colourings: 300 mg E 161j Astaxanthin

**Zootechnical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical ingredients:** Crude protein 55.5%, crude fat 11.6%, raw fibre 3.2%, crude ash 12.3%, moisture 5.5%

**Feeding recommendation:** 2-3 times as much as the fish can eat within 1 minute, each day.

Order No.	PU	Contents
7506	3	42 g 100 ml
7507	3	84 g 200 ml



### Complete Flakes

**Staple food for all ornamental fish**  
**25% Insects & 7% vegetables**

This food was designed to suit the residents of classic community tanks. The flakes consisting of 30 different ingredients are well received by fish of various sizes. 25% of this food is delicious insect larvae and 7% of vitamin-rich vegetables. In addition, the leaves of the „wonder tree“ Moringa olifera with its high content of trace elements and vitamins are included.

**Complete food for ornamental fish**

**Ingredients:** Protein extract from Hermetia larvae (25%), wheat flour, wheat protein, krill (7%), cuttlefish, spinach, corn flour, brewer's yeast, betaine, omega-3 marine oil, chicory inulin, kale, food calcium, Moringa, spirulina, garlic, beta-glucans

**Additives per kg: Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effects: 950 IE E 671 Vitamin D3 Colourings: 250 mg E 161j astaxanthin

**Analytical constituents:** crude protein 45.2%, crude fat 9.5%, crude fibre 4.2%, crude ash 5.5%

**Feeding recommendation:** As much as the fish eat within 1 minute, 2-3 times a day.

7500	3	19 g 100 ml
7501	3	38 g 200 ml
7502	3	142 g 750 ml
7503	3	190 g 1.000 ml



• NEW •







## COLOR Booster

**Colour basic food for all ornamental fish  
1.000 ppm Astaxanthin**

Based on the basic food, this has an added ingredient to boost colour vibrancy, called astaxanthin. With a granule size of 1 mm, this food is very acceptable to small fish as well, whilst larger fish take a bite 2-3 times more often. Effects are visible after only a few days of regular supplementation with this food.

### Complete food for ornamental fish

**Composition:** Arctic krill, wheat protein, cuttlefish, omega-3 marine oil, freshwater shrimp, water fleas, grass hoppers, fly larvae, coralline red algae, yeast extract, green lipped mussel extract, Moringa oleifera, Artemia, Artemia nauplii, chicory inulin, Spirulina platensis, Nannochloropsis algae, spinach, red mosquito larvae, herbal extracts, white cabbage, Melissa, garlic, chickweed, Chlorella algae, fennel, aniseed, flower pollen, grape seed flour, beta-glucans

**Additives per kg:** **Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effects: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 1000 mg E 161j Astaxanthin

**Zootechanical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical constituents:** Crude protein 55.1%, crude fat 11.4%, raw fibre 3.2%, crude ash 12.1%, moisture 5.9%

**Feeding recommendation:** As much as the fish can eat within 10 seconds, each day.

Order No.	PU	Contents
7508	3	42 g 100 ml
7509	3	84 g 200 ml



## COOKIES Special Menu

**Basic food for all bottom-dwelling fish  
45 % Plankton & 2 % Moringa**

This food is shaped into wafers and sinks fast for bottom-dwelling fish such as cory, loach, sucking loach, bichir and many types of catfish. Of course it contains only aquatic animal components and high-quality plant-based components, such as moringa leaves and grape seed oil.

### Complete food for ornamental fish

**Composition:** Arctic krill (31%), wheat protein, cuttlefish, omega-3 marine oil, freshwater shrimp (4%), water fleas (4%), grasshoppers, fly larvae, coralline red algae, yeast extract, green-lipped mussel extract, Artemia (2%), Artemia nauplii (2%), Moringa oleifera (2%), chicory inulin, spinach, red mosquito larvae, Nannochloropsis algae (1%), herbal extracts, white cabbage, Spirulina platensis (1%), Melissa, garlic, chickweed, Chlorella algae (0.3%), fennel, aniseed, flower pollen, grape seed flour, beta-glucans

**Additives per kg:** **Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effect: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin

**Zootechanical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical constituents:** Crude protein 55.5%, crude fat 11.4%, raw fibre 3.5%, crude ash 12.1%, moisture 6.2%

**Feeding recommendation:** 1 cookie per day for 6-10 animals

7510	3	38 g 100 ml
7511	3	76 g 200 ml





### GUPPY & Co. Booster

**Basic food for all live-bearing ornamental fish 45% Zoo-Plankton**

Did you know that 1 in 3 aquarium fish sold in Germany is a live-bearing fish? This feed was developed especially for the popular guppies, platies and mollies in line with their natural diet. The high proportion of natural, colour-boosting ingredients makes for extraordinary vibrancy in these highly pigmented fish. Beta-glucan is added to strengthen the immune system alongside prebiotic and probiotic substances, to ensure that live-bearing fish are well-protected against non-specific bacterial infections.

#### Complete food for ornamental fish

**Composition:** Arctic krill (31%), wheat protein, cuttlefish, omega-3 marine oil, freshwater shrimp (4%), water fleas (4%), grass hoppers, fly larvae, coralline red algae, yeast extract, green lipped mussel extract, Artemia (2%), Artemia nauplii (2%), Moringa oleifera, chicory inulin, spinach, red mosquito larvae, Nannochloropsis algae, herbal extracts, white cabbage, Spirulina platensis, Melissa, garlic, chickweed, Chlorella algae, fennel, aniseed, flower pollen, grape seed flour, beta-glucans

**Additives per kg: Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effects: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin

**Zootechnical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical constituents:** Crude protein 55.5%, crude fat 11%, raw fibre 3.5%, crude ash 12%, moisture 6.2%

**Feeding recommendation:** 2-3 times as much as the fish can eat within 1 minute, each day.

Order No.	PU	Contents
7523	3	42 g 100 ml



4 001615 075236



### Betta Booster

#### Basic food for betta fish 51% Crustaceans & Larvae

This is basic food for bettas who consume more animal- than plant-based substances in their natural environments. Of the more than 60 ingredients, almost 70% are animal-based, such as insect larvae, freshwater shrimp and mussels, and 30% are plant-based.

#### Complete food for ornamental fish

**Composition:** Arctic krill (31%), wheat protein, cuttlefish, omega-3 marine oil, grasshoppers (4%), freshwater shrimp (4%), water fleas (4%), fly larvae (3%), coralline red algae, yeast extract, green-lipped mussel extract, Artemia (2%), Artemia nauplii (2%), Moringa oleifera, chicory inulin, Spirulina platensis, spinach, red mosquito larvae (1%), Nannochloropsis algae, herbal extracts, white cabbage, Melissa, garlic, chickweed, Chlorella algae, fennel, aniseed, flower pollen, grape seed flour, beta-glucans

**Additives per kg: Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effect: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin

**Zootechnical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical constituents:** Crude protein 55.5%, crude fat 11.1%, raw fibre 3.5%, crude ash 12%, moisture 6.4%

**Feeding recommendation:** As much as the fish eat within ½ minute, once or twice a day

Order No.	PU	Contents
7410	6	12 g 30 ml



4 001615 074109



**PLECOMENU Herbivore**

**Basic food for plecos/sucking loach**  
**15% fibre & 14% vegetables**

Basic food for catfish that eat algae and plants, especially plecos such as Ancistrus, Peckoltia, Glyptoperichthys, Baryancistrus and Hypancistrus. Containing natural foliage (15% fibre, just like in nature), vitamin-rich vegetables and algae (20%), crustaceans, insect larvae and fly larvae (10% total). Catfish will happily scrape away at the discs, which are around 12 mm in diameter, just as they would eat in their natural habitat.

**Complete food for ornamental fish**

**Composition:** Wheat protein, Arctic krill, mulberry leaves (4.5%), papaya leaves (4.5%), spinach (4%), omega-3 marine oil, white cabbage (3%), birch leaves (3%), walnut leaves (3%), coralline red algae, yeast extract, green-lipped mussel extract, Spirulina platensis, Melissa (2%), garlic (2%), chickweed (2%), freshwater shrimp, water fleas, grasshoppers, chicory inulin, fly larvae, Chlorella algae, fennel (1%), aniseed, flower pollen, Artemia, Artemia nauplii, herbal extracts, grape seed flour, red mosquito larvae, beta-glucans

**Additives per kg:** **Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effect: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin

**Zootechnical additives:** Gut flora stabiliser: 1x10<sup>8</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical constituents:** Crude protein 43.2%, crude fat 8.5%, raw fibre 4.0%, crude ash 10.0%, moisture 7.8%

**Feeding recommendation:** As much as the fish eat within one hour, once a day. Feed nocturnal catfish in the evening.

Order No.	PU	Contents
7512	3	36 g 100 ml
7513	3	72 g 200 ml



4 001615 075120



4 001615 075137

**GOLDY Booster**

**Basic food for all goldfish**  
**47% Crustaceans & Larvae**

For goldfish and related breeds such as veiltails, shubunkins, comets and lionheads. With 53% animal-based ingredients, such as freshwater shrimp, green-lipped mussels and daphnia, and 41% plant-based ingredients, this is a species-appropriate food that those descendants of cyprinids, goldfish, would eat in the wild. Astaxanthin helps maintain vibrant colours while probiotic lactic acid bacteria and beta-glucan support the immune system.

**Complete food for ornamental fish**

**Composition:** Arctic krill (27%), wheat protein, Moringa oleifera, freshwater shrimp (4%), water fleas (4%), grasshoppers (4%), fly larvae (3%), spinach, omega-3 marine oil, coralline red algae, yeast extract, white cabbage, Artemia (2%), Artemia nauplii (2%), cuttlefish, Spirulina platensis, Melissa, garlic, chickweed, red mosquito larvae (1%), Nannochloropsis algae, chicory inulin, herbal extract, Chlorella algae, fennel, aniseed, flower pollen, grape seed flour, beta-glucans

**Additives per kg:** **Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effect: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin

**Zootechnical additives:** Gut flora stabiliser: 1x10<sup>8</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M

**Analytical constituents:** crude protein 54.7%, crude fat 11%, raw fibre 3.2%, crude ash 11.8%, moisture 8.4%

**Feeding recommendation:** As much as the fish eat within 1 minute, two to three times a day.

7514	3	48 g 100 ml
7515	3	96 g 200 ml



4 001615 075144



4 001615 075151





### CICHLID CARNY Carnivore

**Basic food for predatory cichlids  
40% Krill**

Many Malawi and Tanganyika lake cichlids, such as the large species Neolamprologus, are predators in nature and feed on zooplankton and crustaceans. Maltavi carnivore contains 30% insects, shrimps and Artemia, 40% krill and, as the cherry on the cake, precious green-lipped mussels (3%). These practical granules are a perfect reflection of the natural diet of these mainly carnivorous cichlids.

**Complete food for ornamental fish**

**Composition:** Arctic krill (40%), wheat protein, freshwater shrimp, water fleas, grasshoppers, cuttlefish, omega-3 marine oil, fly larvae, Artemia, Artemia nauplii, green-lipped mussel extract, red mosquito larvae, coralline red algae, herbal extracts, beta-glucans  
**Additives per kg:** **Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effects: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin  
**Zoototechnical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M  
**Analytical constituents:** Crude protein 58.8%, crude fat 10.2%, raw fibre 4.2%, crude ash 11.1%, moisture 9.1%  
**Feeding recommendation:** 2-3 times as much as the fish can eat within 1 minute, each day.

Order No.	PU	Contents
7518	3	100 g 200 ml
7519	3	500 g 1.000 ml



### CICHLID VEGGY Herbivore

**Basic food for herbivorous cichlids  
21% Kale & 15% Moringa**

For cichlids that feed on plants, such as Tropheus, this food contains a high proportion of plant-based ingredients. With nutrient-rich algae such as spirulina, chlorella, nannochloropsis and kelp, plus coralline red algae rich in minerals and trace elements, fish can enjoy a species-appropriate diet containing fibre and grains such as they would eat in nature. In nature, herbivores always consume a certain proportion of animal-based substances (e.g. small organisms living in plants), so this food also includes some similar components.

**Complete food for ornamental fish**

**Composition:** Kale (21%), wheat protein, Moringa oleifera (15%), spinach, yeast extract, omega-3 marine oil, white cabbage, Spirulina platensis, Melissa, garlic, chickweed, green-lipped mussel extract, Chlorella algae, fennel, aniseed, flower pollen, grape seed flour, coralline red algae, herbal extracts, beta glucans.  
**Additives per kg:** **Nutritional additives:** Vitamins, provitamins and chemically defined substances with similar effects: 2.000 IE E 671 Vitamin D<sub>3</sub> Colourings: 300 mg E 161j Astaxanthin  
**Zoototechnical additives:** Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M  
**Analytical constituents:** Crude protein 33.7%, crude fat 8%, raw fibre 5.6%, crude ash 8.3%, moisture 9.6%  
**Feeding recommendation:** 2-3 times as much as the fish can eat within 1 minute, each day.

7516	3	90 g 200 ml
7517	3	450 g 1.000 ml





**DISKUS Soft****Staple food for all discus fish****24% Insects & 5% Krill**

The nutritious pellets were specially developed for discus fish. Biologically balanced it supplies the „king of the aquarium“ with all the essential nutrients, vitamins, minerals, trace elements and omega-3 fatty acid, which it daily needs. The special softening procedure renders the granules soft as natural food animals. This ensures high acceptance, especially with the often very picky discus fish. The animal ingredients derive from aquatic animals such as krill and molluscs (5%) or insects (24%). Valuable algae (0.7%) and other high-quality herbal ingredients such as vegetables (5%) and Moringa (0.7%) top off the food spectrum.

**Complete food for ornamental fish**

**Ingredients:** Insects (24%), vegetable by-products, molluscs and crustaceans (krill 5%), cereals, vegetable protein extracts, vegetables, oils and fats, yeast, minerals, algae

**Additives per kg:** Nutritional additives: Vitamins, provitamins and chemically defined substances with similar effects: 665 IE E 671 Vitamin D<sub>3</sub> Colourings: 500 mg E 161j astaxanthin, 300 mg E 161g canthaxanthin, 300 mg E 160a beta-carotene

**Analytical constituents:** crude protein 34.6%, crude fat 10.0%, crude fibre 3.1%, crude ash 4.5%

**Feeding recommendation:**

As much as the fish eat within 1 minute, 2-3 times a day.

• NEW •

Order No.	PU	Contents
7521	3	90 g 200 ml
7522	3	450 g 1.000 ml



4 001615 075212



4 001615 075236

**NEON&Co. Booster****Staple food for small ornamental fish****35% insects & 7% vegetables**

Staple food for Neon tetras and other small ornamental fish such as tetras, barbs, danios or guppies. The fine granulate material consists of many high quality ingredients such as Krill (13%) and insects (35%), and algae (1%) as well as vegetables (7%) and thus ensure a balanced diet. Rich in astaxanthin the fine food bites promote the full expression of species-specific colors.

**Complete food for ornamental fish**

**Ingredients:** Protein extract from Hermetia larvae (35%), wheat flour, wheat protein, krill, cuttlefish, spinach (4%), corn flour, brewer's yeast, betaine, omega-3 marine oil, chicory inulin, kale (1.5%), food calcium, Moringa (1%), spirulina, garlic (0.9%), beta-glucans

**Additives per kg:** Nutritional additives: Vitamins, provitamins and chemically defined substances with similar effects: 950 IE E 671 Vitamin D<sub>3</sub> Colourings: 250 mg E 161j Astaxanthin Zootechnical additives: Gut flora stabiliser: 1x10<sup>9</sup> KBE 4d1712 Pediococcus acidilactici CNCM MA 18/5M **Analytical constituents:** crude protein 49.5%, crude fat 10.2%, crude fibre 4.4%, crude ash 6.4%

**Feeding recommendation:**

As much as the fish eat within 1 minute, 2-3 times a day.

• NEW •

7524	3	45 g 100 ml
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4 001615 075243





### CALANUS FD Organic

**Plankton food for all ornamental fish  
100% Zooplankton**

The number one superfood direct from Mother Nature: the 2 – 3 mm large Calanus zooplankton feed on single-cell microalgae that serve as "vitamin factories" in our planet's oceans, making them rich in nutrients and full of essential amino acids, proteins and unsaturated omega-3 fatty acids. Calanus is the nutrient base for the gigantic schools of herring found in the North Atlantic, and is the most important link in the local food chain. Naturally occurring carotenoids, in particular astaxanthin, help produce vibrant colours. Fish love the taste of Calanus, and even tetchy fish caught in the wild can be trained onto dry feed through this natural food. Suitable as a supplementary food for all types of aquarium fish.

**Single-ingredient food as a supplementary food for ornamental fish**  
**Composition:** 100% Arctic zooplankton [Calanus finmarchicus]  
**Analytical constituents:** Crude protein 67%, crude fat 35%, raw fibre 3.5%, crude ash 8%, moisture 5%  
**Feeding recommendation:** As much as the fish eat within 1 minute, once or twice a day.

Order No.	PU	Contents
7504	3	12 g 100 ml
7505	3	24 g 200 ml



## USEFUL ACCESSORIES



### Fish food shaker

**The practical fish food shaker for optimum storage and dosage of fish food.**

- Refillable

7399

1









### CrustaGran

**Staple food for shrimps and dwarf crayfish.**

Granule size: 2 mm

- For a species-appropriate, biologically balanced diet
- With 20% algae: Spirulina, Chlorella, Dunaliella, Ascophyllum

**Complete food for shrimps and crayfish in freshwater aquariums**

**Composition:** Molluscs and crustaceans, cereals, algae, vegetables, vegetable by-products, fish and fish by-products, oils and fats.

**Analytical constituents:**

36% crude protein, 6.2% crude fat, 6.8% raw fibre, 16.5% crude ash, 6% moisture

**Additives per kg. Sensory additives:** Colourings Nutritional additives: 15,000 IU E 672 vitamin A, 1,200 IU E 671 vitamin D3, 150 mg vitamin E, 200 mg vitamin C (L-ascorbyl-2-polyphosphate), 6 mg vitamin B1, 8 mg vitamin B2, 5 mg vitamin B6, 4 mg vitamin K3, 39 mg nicotinic acid, 20 mg pantothenic acid, 198 mg inositol, 2 mg folic acid, 238 mg choline chloride

**Feeding recommendation:** As much as the shrimps/crayfish eat within one hour, once a day

Order No.	PU	Contents
5918	6	100 ml



### CrustaGran Baby

**Staple food for rearing shrimps and dwarf crayfish.**

Granule size: 0.1 – 0.8 mm

- For a species-appropriate, biologically balanced diet
- With 20% algae: Spirulina, Chlorella, Dunaliella, Ascophyllum

**Complete food for shrimps and crayfish in freshwater aquariums**

**Composition:** molluscs and crustaceans, cereals, algae, vegetables, vegetable by-products, fish and fish by-products, oils and fats.

**Analytical constituents:** 36% crude protein, 6.2% crude fat, 6.8% raw fibre, 16.5% crude ash, 6% moisture

**Additives per kg. Sensory additives:** Colourings

**Nutritional additives:** 15,000 IU E 672 vitamin A, 1,200 IU E 671 vitamin D3, 150 mg vitamin E, 200 mg vitamin C (L-ascorbyl-2-polyphosphate), 6 mg vitamin B1, 8 mg vitamin B2, 5 mg vitamin B6, 4 mg vitamin K3, 39 mg nicotinic acid, 20 mg pantothenic acid, 198 mg inositol, 2 mg folic acid, 238 mg choline chloride

**Feeding recommendation:** As much as the shrimps/crayfish eat within one hour, once or twice a day

Order No.	PU	Contents
5941	6	100 ml



### Nano Gran

**Staple food for nano-fish**

Granule size: 0.3 – 0.4 mm

- Fine granules for a biologically balanced diet, specifically for nano-fish up to 3 cm.

**Complete food for ornamental fish in freshwater aquariums**

**Composition:** Fish and fish by-products, cereals, molluscs and crustaceans, algae, vegetable by-products, yeast, vegetables, oils and fats

**Analytical constituents:** 52% crude protein, 8.8% crude fat, 2.6% raw fibre, 12.2% crude ash, 6% moisture

**Additives per kg. Sensory additives:** 65 mg E 161j Astaxantin

**Nutritional additives:** 33,800 IU E 672 vitamin A, 1,950 IU E 671 vitamin D3, 280 mg vitamin E, 335 mg vitamin C (L-ascorbyl-2-polyphosphate), 12 mg vitamin B1, 16 mg vitamin B2, 10 mg vitamin B6, 80 mg nicotinic acid, 40 mg pantothenic acid, 410 mg inositol, 4 mg folic acid, 480 mg choline chloride, 8mg vitamin K3

**Feeding recommendation:** As much as the fish will eat within 1 minute, twice a day.

Order No.	PU	Contents
5915	6	100 ml







## Nano algae wafers

### Species-appropriate feed supplement for shrimps

- 100% natural algae
  - Rich in vitamins and trace elements
  - Enhances the natural colours
- 2.5 cm x 4.5 cm

Single-ingredient supplementary food for shrimps in freshwater aquariums

**Composition:** Algae

**Analytical constituents:** 45.5% crude protein, 4.6% crude fat, 1.5% raw fibre, 11.1% crude ash, 6.4% moisture.

**Feeding recommendation:** One wafer for 20-30 shrimps, 2-3 times per week.

Order No.	PU	Contents
5917	6	3,5 g 40 pc.



4 001615 059175



## Crusta Nettle Stixx

### Supplementary food for shrimps, rich in vital substances.

Sinking sticks made of 100% natural *Urtica dioica* stinging nettles

- Rich in essential substances
- With valuable vitamins and trace elements
- For health, vitality and vibrant colours

Supplementary food for shrimps in freshwater aquariums

### • PURE NATURAL PRODUCT •

**Composition:** Stinging nettles

**Analytical constituents:** 21.6% crude protein, 3.5% crude fat, 16.3% raw fibre, 17.3% crude ash, 8.9% moisture;

**Feeding recommendation:** as much as the shrimps eat within 24 hours (approx. 1 cm stick/20 shrimps), every 2-3 days.

5866	6	30 g
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4 001615 058666



## Crusta Spinach Stixx

### Supplementary food for shrimps

Sinking sticks made of 100% natural *Spinacia oleracea* spinach

- Rich in essential substances and minerals
- With valuable vitamins and trace elements
- For health, vitality and vibrant colours

Supplementary food for shrimps in freshwater aquariums

### • PURE NATURAL PRODUCT •

**Composition:** Spinach; **Analytical constituents:** 18.6% crude protein, 3.2% crude fat, 11.7% raw fibre, 14.6% crude ash, 5.7% moisture; **Feeding recommendation:** As much as the shrimps eat within 24 hours (approx. 1 cm stick/20 shrimps), every 2-3 days.

5854	6	30 g
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4 001615 058543





### Nano Marinus Crusta Gran Marinus

#### Main food for shrimps and crayfish

- Sinkable food pearls for biologically balanced nutrition
- Size: 2 mm
- With high content of ingredients from marine animals and marine algae rich in vital substances
- Ideal for hermit crabs, crabs and shrimps (*Lysemata sp.*, *Thor amboinensis*, etc.)

Complete food for shrimps and crayfish in marine aquariums

• DOES NOT CLOUD •

**Composition:** Molluscs and crustaceans, cereals, algae, vegetable by-products, vegetables, fish and fish by-products, oils and fats. Analytical constituents: 39% crude protein, 6.9% crude fat, 4.0% raw fibre, 15.7% crude ash, 6% moisture.

**Additives per kg. Sensory additives:** Colourings. Nutritional additives: 25,000 IU E 672 vitamin A, 1,850 IU E 671 vitamin D3, 220 mg vitamin E, 270 mg vitamin C (L-ascorbyl-2-polyphosphate), 9 mg vitamin B1, 12 mg vitamin B2, 7 mg vitamin B6, 6 mg vitamin K3, 60 mg nicotinic acid, 30 mg pantothenic acid, 300 mg inositol, 3 mg folic acid, 360 mg choline chloride

**Feeding recommendation:** As much as the shrimps/crayfish can eat within a few minutes, once a day.

Order No.	PU	Contents
5631	6	100 ml



### Nano Marinus Nano Gran Marinus

#### Main food for nano fish Fine granules

- For biologically balanced nutrition especially for nano fish (up to 3 cm)
- Sinking fine granules, grain size 0.7 – 1 mm
- With high content of ingredients from marine animals plus marine algae rich in vital substances
- For healthy, vibrant coloured fish

Complete food for ornamental fish in marine aquariums

• DOES NOT CLOUD •

**Composition:** Fish and fish by-products, cereals, molluscs and crustaceans, algae, vegetable by-products, vegetables, oils and fats. Analytical constituents 52% crude protein, 8.8% crude fat, 2.6% raw fibre, 12.2% crude ash, 6% moisture.

**Additives per kg. Sensory additives:** Colourings. Nutritional additives: 31,500 IU E 672 vitamin A, 2,350 IU E 671 vitamin D3, 250 mg vitamin E, 300 mg vitamin C (L-ascorbyl-2-polyphosphate), 12 mg vitamin B1, 15 mg vitamin B2, 9 mg vitamin B6, 8 mg vitamin K3, 80 mg nicotinic acid, 40 mg pantothenic acid, 400 mg inositol, 4 mg folic acid, 460 mg choline chloride

**Feeding recommendation:** As much as the fish will eat within 1 minute, twice a day.

Order No.	PU	Contents
5638	6	100 ml





## Nano Marinus

### CoralActiv

**Plankton food for filter feeders and small reef dwellers**

- Phyto and zooplankton (5-100 µm) to feed filter feeding tube worms, mussels and corals
- Plus fine food (100-800 µm) for small nano reef dwellers

Complete food for filter feeding animals in marine aquariums

5648

6

100 ml



4 001615 056488

• DOES NOT CLOUD •

**Composition:** Minerals, molluscs and crustaceans, algae, yeasts, cereals, vegetables, vegetable by-products, fish and fish by-products. Analytical constituents: 16% crude protein, 2% crude fat, 1% raw fibre, 68% crude ash, 3% moisture.

**Additives per kg. Sensory additives:** Colourings.

**Nutritional additives:** 3,500 IU E 672 vitamin A, 260 IU E 671 vitamin D3, 38 mg vitamin E, 40 mg vitamin C (L-ascorbyl-2-phosphate), 1 mg vitamin B1, 1 mg vitamin B2, 1 mg vitamin B6, 0.8 mg vitamin K3, 8 mg nicotinic acid, 4 mg pantothenic acid, 41 mg inositol, 0.4 mg folic acid, 50 mg choline chloride.

**Feeding recommendation:** Depending on stock level ½-1 measuring spoon for every 30 litres of aquarium water, every 1-2 days

## VITAMINS / MINERALS



## Nano Crusta-Fit 15ml

### Essential substance

With Crusta-Care-Complex

- For health and intense, bright colours
- Essential vitamins and trace elements
- With bioactive calcium for problem-free moulting

For 600 l aquarium water

Liquid preparation

Order No.

PU

Contents

5931

6

15 ml



4 001615 059311



## Nano Crusta Mineral

### Essential minerals in powder form

- With natural montmorillonite clay, plus bio-active calcium and magnesium
- For problem-free moulting, healthy growth and a strong exoskeleton
- To intensify the white colouring of all Caridina and Neocaridina species

5864

6

35 g



4 001615 058642







SHRIMP KING®

# Shrimp King®



**Shrimp King® premium food is free from artificial additives.**

- no artificial colourings
- no antioxidants or preservatives
- no attractants

**Shrimp King® does not contain cheap fillers**

- no fishmeal
- no fishery waste
- no cheap vegetable by-products



**Guaranteed!**

100% natural ingredients.  
No cheap fillers!



**Shrimp King® Complete****Basic food for shrimps**

Food sticks for daily feeding

**Complete food for ornamental shrimps**

**Ingredients:** Kelp, insect proteins, dandelion, stinging nettles, spinach, mulberry leaves, chlorella, montmorillonite, Moringa oleifera, rosemary, mannan-oligosaccharides, β-glucans, flower pollen, turmeric, cinnamon;

**Analytical constituents:** 23.1% crude protein, 6.2% crude fat, 9.2% crude fibre, 17.3% crude ash;

**Feeding recommendation**

Approx. 5 mm stick per 20 shrimps, per day. Remove food residues after 24 hours.

Order No.	PU	Contents
6070	6	45 g



4 001615 060706

**Shrimp King® Baby****Rearing food for young shrimp.**

Special dust food for species-appropriate feeding and breeding success

**Complete food for ornamental shrimps**

**Ingredients:** Insect proteins, wheat flour, wheat protein, krill meal, cuttlefish meal, spinach, maize, yeast, betaine, kale, inulin, salmon oil, Moringa oleifera, spirulina algae, garlic, mannanoligosaccharides, β-glucans; **Additives per kg:** Colourings: 250 mg E 161j astaxanthin; **Analytical constituents:** 49.5% crude protein, 10.2% crude fat, 4.4% crude fibre, 6.4% crude ash.

**Feeding recommendation:** Depending on the shrimp density, one pinch in 50 L aquarium water 1-2 times per day. Distribute the food evenly in the aquarium

6071	6	35 g
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4 001615 060713

**Shrimp King® Pea & Leaf Loops****Purely vegetarian snack food**

Tasty yellow pea loops and fibre-rich mulberry/walnut leaf loops in a colourful mix.

Supplementary food for shrimps in freshwater aquariums

**Composition:** Kelp, shrimp wholemeal, wheat protein, coralline red algae (10%), calcium carbonate (5%), lucerne, green-lipped mussel, yeast, walnut leaves, rosemary

**Analytical constituents:** 28.4% crude protein, 2.5% crude fat, 4.6% raw fibre, 31.9% crude ash, 6.6% moisture, 7.29% calcium, 1.35% sodium, 0.42% phosphorus, 0.71% magnesium

**Additives per kg:** 100 g E 558 bentonite-montmorillonite

**Feeding recommendation:** Approx. one feed pad for every 20 shrimps, 1-3 times per week. Remove food residues after 6 hours.

6076	6	30 g
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4 001615 060768





## Shrimp King® Spinach/ Hokkaido Loops

### Purely vegetarian snack food

Supplementary food for shrimps in  
freshwater aquariums

**Composition:** Spinach (44%), pumpkin (44%), wheat protein, rosemary **Analytical constituents:** 13.5% crude protein, 3.5% crude fat, 8.1% raw fibre, 9.2% crude ash, 8.1% moisture, 0.72% calcium, 0.20% sodium, 0.43% phosphorus, 0.30% magnesium **Feeding recommendation:** Approx. 1 loop for every 10 shrimps, a few times a week. Remove food residues after 6 hours.

Order No.	PU	Contents
6074	6	30 g



4 001615 060744



## Shrimp King® Protein

### Protein food - for young shrimps

Food sticks for targeted dietary  
supplement

**Complete food for ornamental shrimps**  
**Ingredients:** Bacterial protein from *Corynebacterium glutamicum*, insect proteins, stinging nettles, dandelion, mulberry leaves, Daphnia, krill, chlorella algae, montmorillonite, Moringa oleifera, rosemary, mannan-oligosaccharides, β-glucans, flower pollen, turmeric, cinnamon; **Analytical constituents:** 42.6% crude protein, 7.5% crude fat, 5.9% crude fibre, 13.4% crude ash. **Feeding recommendation:** Approx. 5 mm stick per 20 shrimps. Remove food residues after 24 hours.

Order No.	PU	Contents
6072	6	45 g



4 001615 060720



## Shrimp King® Mineral

### Mineral food - supplementary food

Food sticks for targeted dietary  
supplement

**Supplementary food for ornamental shrimps**  
**Ingredients:** Kelp, insect proteins, dandelion, stinging nettles, spinach, mulberry leaves, calcium carbonate, chlorella, montmorillonite, Moringa oleifera, rosemary, mannan-oligosaccharides, β-glucans, flower pollen, turmeric, cinnamon; **Analytical constituents:** 21.0% crude protein, 6.0% crude fat, 8.0% crude fibre, 26.0% crude ash. **Feeding recommendation:** Approx. 5 mm stick per 20 shrimps. Remove food residues after 24 hours.

Order No.	PU	Contents
6073	6	45 g



4 001615 060737



**Shrimp King® Color****Color-food for shrimp**

Food sticks for targeted amplification of color yellow, orange and red colored shrimp. With high content of natural color enhancers such as astaxanthin, beta-carotene and lutein.

**Complete food for ornamental shrimps**

**Ingredients:** Insect proteins, wheat flour, wheat proteins, krill, cuttlefish meal, spinach, maize, yeast, betaine, kale, inulin, salmon oil, Moringa oleifera, spirulina algae, garlic, mannanoligosaccharide,  $\beta$ -glucans; **Additives per kg:** **Colourings:** 500 mg E 161j astaxanthin, 300 mg E 161g canthaxanthin, 300 mg E 160a beta-carotene; **Analytical constituents:** 48.5% crude protein, 10.0% crude fat, 4.4% crude fibre, 6.2% crude ash.  
**Feeding recommendation:** Approx. 1 pinch per 20 shrimps. Remove food residues after 24 hours.

Order No.	PU	Contents
6075	6	35 g



4 001615 060751

**Shrimp King® 5 Leaf Mix****Food snack for shrimp**

The pure vegetarian vegetable snack for targeted dietary supplement

• NEW •

**Supplementary food for ornamental shrimps**

**Ingredients:** Stinging nettles, birch leaves, mulberry leaves, walnut leaves, peppermint leaves;  
**Analytical constituents:** 19,0% crude protein, 3,6% crude fat, 11,8% crude fibre, 11,2% crude ash.  
**Feeding recommendation:** Approx. 5 mm stick per 20 shrimps. Remove food residues after 24 hours.

Order No.	PU	Contents
6068	6	45 g



4 001615 060683

**Shrimp King® Snow Pops****Food fun for shrimp**

Food sticks for targeted dietary supplement

• NEW •

**Supplementary food for ornamental shrimps**

**Ingredients:** Soya bran;  
**Analytical constituents:** Crude protein 13,4%, crude fat 4,2%, crude fibre 32,9%, crude ash 4,8%.  
**Feeding recommendation:** Approx. 5 mm stick per 20 shrimps. Remove food residues after 24 h.

Order No.	PU	Contents
6069	6	40 g



4 001615 060690





## Shrimp King® 5 in 1

### Discovery Pack:

Contents:  
Complete  
Protein  
Mineral  
5 Leaf Mix  
Snow Pops

• NEW •

#### Shrimp King Complet

##### Complete food for ornamental shrimps

**Ingredients:** Kelp, insect proteins, dandelion, stinging nettles, spinach, mulberry leaves, chlorella, montmorillonite, Moringa oleifera, rosemary, mannan-oligosaccharides, β-glucans, flower pollen, turmeric, cinnamon;

**Analytical constituents:** 23.1% crude protein, 6.2% crude fat, 9.2% crude fibre, 17.3% crude ash;

#### Shrimp King Protein

##### Complete food for ornamental shrimps

**Ingredients:** Bacterial protein from *Corynebacterium glutamicum*, insect proteins, stinging nettles, dandelion, mulberry leaves, Daphnia, krill, chlorella algae, montmorillonite, Moringa oleifera, rosemary, mannan-oligosaccharides, β-glucans, flower pollen, turmeric, cinnamon; **Analytical constituents:** 42.6% crude protein, 7.5% crude fat, 5.9% crude fibre, 13.4% crude ash.

#### Shrimp King Mineral

##### Supplementary food for ornamental shrimps

**Ingredients:** Kelp, insect proteins, dandelion, stinging nettles, spinach, mulberry leaves, calcium carbonate, chlorella, montmorillonite, Moringa oleifera, rosemary, mannan-oligosaccharides, β-glucans, flower pollen, turmeric, cinnamon; **Analytical constituents:** 21.0% crude protein, 6.0% crude fat, 8.0% crude fibre, 26.0% crude ash.

#### Shrimp King 5 Leaf Mix

##### Supplementary food for ornamental shrimps

**Ingredients:** Stinging nettles, birch leaves, mulberry leaves, walnut leaves, peppermint leaves; **Analytical constituents:** 19.0% crude

#### Shrimp King Snow Pops

##### Supplementary food for ornamental shrimps

**Ingredients:** Soya bran; **Analytical constituents:** Crude protein 13.4%, crude fat 4.2%, crude fibre 32.9%, crude ash 4.8%.

Order No.	PU	Contents
6099	6	5 x 6 g



4 001615 060997

## CRAYFISH FOOD



## Shrimp King® Cambarellus

### Basic food for crayfish

Sinking mini sticks for all dwarf crayfish from 100% natural ingredients. With natural calcium for a strong shell and „Colour-turbo“ astaxanthin. Feeding recommendation : two sticks a day per dwarf cray-fish, for bigger ones up to 6 sticks a day.

#### Complete food for crayfish in freshwater aquaria

**Ingredients:** Insect proteins, maize, wheat proteins, bacterial protein from *Corynebacterium glutamicum*, spinach, stinging nettles, krill, spirulina, montmorillonite, rosemary;

**Additives per kg:** Colourings: 100 mg E 161j astaxanthin; **Analytical constituents:** 43.5% crude protein, 7.5% crude fat, 4.6% crude fibre, 8.3% crude ash.

**Feeding recommendation:** As much as the crayfish can eat within about one hour, each day. Remove food residues after 24 hours.

Order No.	PU	Contents
6078	6	45 g



4 001615 060782







AQUASCAPING

# IN THE DEEEEEEEEEEP

The new panoramic aquarium with the perfect dimensions 45-36-31



*scaper's* tank



**Scaper's Tank Complete****Panorama-Aquarium complete set**

Aquarium 45 x 31 x 36 cm (W x H x D),  
Glass thickness: 5 mm, hang-on external  
filter: Scaper's flow, light: Scaper's Light,  
24 W / 8000 K, cover incl. rests, heat-  
insulating safety mat

Order No.	PU	Contents
5757	1	50 l



4 001615 057577

**Scaper's Tank Complete LED 35 l****Panorama-Aquarium complete set**

Aquarium 40 x 32 x 28 cm (W x H x D),  
glass thickness: 5 mm, Nano corner fil-  
ter, light: Nano Power LED 5.0 (5 W / 6500  
K), cover pane incl. rests, heat-insulating  
safety mat

Order No.	PU	Contents
5755	1	35 l



4 001615 057553

• COMPLETE SET •

**Scaper's Tank****Panorama-Aquarium**

Aquarium , glass thickness: 5 mm,  
panoramic glass (rounded front corners),  
cover incl. rests, heat-insulating safety  
mat

**45 x 31 x 36 cm (B x H x T)**

Order No.	PU	Contents
5751	1	50 l



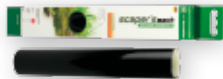
4 001615 057515

**40 x 32 x 28 (B x T x H)**

Order No.	PU	Contents
5752	1	35 l



4 001615 057522

**Scaper's Back - black****Background film**

- Easy to apply
- Easy to remove
- Phthalate free

Order No.	PU	Contents
5792	1	



4 001615 057928

**Scaper's Back - smoke****Background film**

- Easy to apply
- Easy to remove
- Phthalate free

Order No.	PU	Contents
5786	1	



4 001615 057867

**Scaper's Back - white****Background film**

- Easy to apply
- Easy to remove
- Phthalate free

Order No.	PU	Contents
5788	1	



4 001615 057881

**Scaper's Back - milk****Background film**

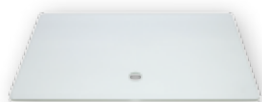
- Easy to apply
- Easy to remove
- Phthalate free

Order No.	PU	Contents
5785	1	



4 001615 057850





**Cover  
Scaper's Tank**

Order No.	PU	Contents
5789	1	50 l
5784	1	35 l



4 001615 057898



4 001615 057843

### FILTRATION



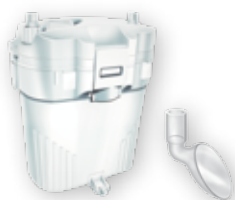
#### Scaper's Flow

##### Hang-on external filter

With adjustable-height, rotatable lily pipe, ultra-quiet, easy clean system: Completely removable, easy to clean includes filter material, can also be used standing

Technical data: For 30-120 l aquariums, max. pump power 360l/h, 5.6 watt

• WITH INNOVATIVE „LILY-PIPE“ •



Order No.	PU	Contents
5790	1	



4 001615 057904

### REPLACEMENT PARTS FOR SCAPER'S FLOW



**Lily Pipe  
- Scaper's Flow (5790)**

Order No.	PU	Contents
5793	1	



4 001615 057935



**O-rings  
- Scaper's Flow**

Order No.	PU	Contents
5794	1	



4 001615 057942



**Suction pipe  
- Scaper's Flow**

Order No.	PU	Contents
5795	1	



4 001615 057959



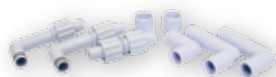
**Mount  
- Scaper's Flow (5790)**

Order No.	PU	Contents
5796	1	



4 001615 057966





## Pipe installation - Scaper's Flow (5790)

Order No.	PU	Contents
5797	1	



## Filter sponge Scaper's Flow (suction protection)

Order No.	PU	Contents
5787	1	



## LIGHTING



## Scaper's LED

### LED lighting for freshwater aquaria

- High-quality long-life power LEDs
- Slim-line design
- With shimmering effect
- Optimum growing light for aquarium plants (6500 Kelvin)
- 30,000 operating hours
- Very good colour rendering
- Easy to install
- Horizontally and vertically adjustable
- Fits aquarium glass of 5 - 14 mm
- Angle of radiation: 110°
- LED module dimensions 270 / 360 / 480 x 79 x 22 mm

Order No.	PU	Contents
6030	1	
6031	1	
6032	1	



12 Watt

15 Watt

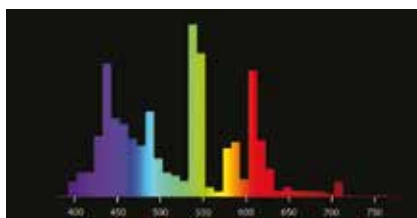
24 Watt



## Scaper's Light 24W/8000 K lighting

Bright, vibrant, white light (8.000 Kelvin),  
Incl. reflector (100% more light)  
Horizontally adjustable (360°)  
Technical data: For aquarium sizes:  
40 - 60 l, 24 W, 8000 Kelvin, 1440 Lumen,  
Dimensions: 25 x 12 x 8 cm

Order No.	PU	Contents
5763	1	







## Scaper's Sky 24W/8000K Bulb for Scaper's Light

Order No.	PU	Contents
5774	1	



## Replacement mount for Scaper's Light (5763)

Order No.	PU	Contents
5791	1	



## SPECIAL FERTILISER



## Scaper's Green High-performance fertiliser

Ideal for sophisticated plant aquariums  
and aquascaping

**K-fertiliser solution 1 with micronutrients, with chelating agents  
DTPA, EDTA**

1.3% K<sub>2</sub>O water soluble potassium oxide,  
0.006% B Total boron = water soluble boron,  
0.001%\* Co Total cobalt = water soluble cobalt  
0.002%\* Cu Total copper = water soluble copper  
0.133%\* Fe Total iron = water soluble iron  
0.052%\* Mn Total manganese = water soluble manganese  
0.003% Mo Total molybdenum = water soluble molybdenum  
0.003%\* Zn Total zinc = water soluble zinc  
\*up to 100% DTPA, EDTA chelation at pH 3-8

**Net weight:** See packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Other ingredients:** 1.15% S water soluble sulphur,  
0.79% MgO water soluble magnesium oxide, 0.07% Na water  
soluble sodium, 1.87% organic matter

**Preparation aids:** Preservatives: Potassium sorbate,  
sodium formate; nutrient stabiliser: vitamin C

**Application aid:** As chelating agents: DTPA, EDTA; colourings

**Storage tips:**

Store at room temperature. Protect from heat and frost.  
Store out of reach of children and pets.

**Application advice:** Only for fertilisation of ornamental  
plants in aquariums. See packaging for detailed application  
instructions and dosages

Note: official guidance recommendations take precedence.

**Also contains:** 0.0001% Al aluminium, 0.0009% Li lithium,  
0.0001% Ni nickel, 0.0001% V vanadium

Order No.	PU	Contents
4530	6	100 ml for 1.000 l
4531	6	250 ml for 2.500 l
4532	3	500 ml for 5.000 l



Time span		
100 ml	50 l	20 weeks
	100 l	10 weeks
250 ml	100 l	25 weeks
	200 l	12 weeks
500 ml	200 l	25 weeks
	500 l	10 weeks



## NPK Booster Macro fertiliser

Extra power with phosphate and nitrate  
for sophisticated plant aquariums and  
aquascaping

**NK-fertiliser solution 1+1**

1.1% N total nitrogen, 1% nitric nitrogen, 1.3% K<sub>2</sub>O water soluble  
potassium oxide

**Net weight:** see packaging

**Distributor:** Dennerle GmbH, D-66957 Vinningen

**Other ingredients:** 0.14% P<sub>2</sub>O<sub>5</sub> water soluble phosphate,  
0.21% water soluble sulphur, 0.15% MgO water soluble magnesi-  
um oxide, 1.2% Na water soluble sodium, 1.76% organic matter

**Preparation aids:** Preservatives: potassium sorbate

**Application aid:** Colourings

**Storage tips:**

Store at room temperature. Protect from heat and frost. Store out  
of reach of children and pets.

**Application advice:** Only for fertilisation of ornamental  
plants in aquariums. See packaging for detailed application advice  
and dosages.

Note: official guidelines take precedence.

4533	6	100 ml for 1.000 l
4534	6	250 ml for 2.500 l
4535	3	500 ml for 5.000 l





### Scaper's Soil

#### Active substrate for plant aquaria

- Nutrient substrate for strong plant growth
- With all essential minerals and trace elements
- With fertile volcanic soil
- With bio-filtering function for healthy, clear water
- Actively creates soft, slightly acidic water (approx. pH 6-6.5, KH 0-2 °d)
- With valuable humic and fulvic acids
- Special nutrient formula – does not promote algae

Order No.	PU	Contents
4580	6	4 l
4581	3	8 l



• WITH FERTILE VOLCANIC SOIL •  
(ANDOSOL)



### About andosol:

Scaper's soil has a particularly growth promoting effect due to its content of natural andosol. The term is composed of the Japanese an do, which means „black soil“, and the Latin sol for „ground“. Andosols develop preferably in mountainous, rainy regions on the basis of mineral-rich volcanic ash. The soils are characterized by a dark brown to jet black color. They are particularly rich in vital nutrients, minerals and trace elements. At the same time, they have a high content of humic and fulvic acids valuable. Andosol floors are therefore extremely fertile and agriculturally highly appreciated.



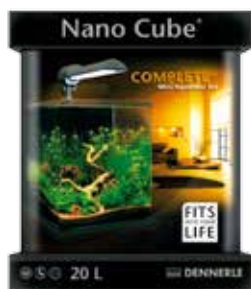


**Annual maintenance costs  
for a 30 litre cube amount  
to just approx. € 35\***

Electricity price: € 0.25 per kWh;  
Water price: € 6.50 per 1000 litres;  
Additional heating required for around seven  
months (210 days);  
Weekly 30 percent water change.

**Dennerle Nano  
The original.**



**NanoCube Complete +****Comprised of:**

- Aquarium + cover + black background film + foam mat
- Nano Clean corner filter
- Nano Light
- Nano maintenance set: Daily fertiliser, water treatment, vital substances
- Nano shrimp gravel, Sulawesi black
- Nano DeponitMix
- Nanotherm, thermometer, small
- Shrimp food – Information pack

**• COMPLETE SET •****10 litres**

- Aquarium 20 x 20 x 25 cm
- Nano Light 9W
- 2 kg shrimp gravel

**20 litres**

- Aquarium 25 x 25 x 30 cm
- Nano Light 11W
- 4 kg shrimp gravel

**30 litres**

- Aquarium 30 x 30 x 35 cm
- Nano Light 11W
- 4 kg shrimp gravel

**60 litres**

- Aquarium 38 x 38 x 43 cm
- Scaper's Light 24 W
- 6 kg shrimp gravel

Order No.	PU	Contents
5937	3	
5938	3	
5906	3	
5863	4	

**NanoCube Basic****Comprised of:**

- Aquarium + cover + black background film + foam mat
- Nano Clean corner filter
- Nano Light

**• COMPLETE SET •****10 litres**

- Aquarium 20 x 20 x 25 cm
- Nano Light 9W

**20 litres**

- Aquarium 25 x 25 x 30 cm
- Nano Light 11W

**30 litres**

- Aquarium 30 x 30 x 35 cm
- Nano Light 11W

**60 litres**

- Aquarium 38 x 38 x 43 cm
- Scaper's Light 24 W

5900	3	
5901	3	
5902	3	
5862	4	









	Order No.	PU	Contents
<b>NanoCube glass cover</b>			
10 litres	5893	1	
20 litres	5894	1	
30 litres	5895	1	
60 litres	5879	1	
30 litres, short	5696	1	
60 litres, short	5645	1	
<b>Nano cover mount set</b>	5896	1	


CO<sub>2</sub>-SUPPLY


### Nano Bio CO<sub>2</sub>

#### Biological CO<sub>2</sub> fertilization for 10-60L aquaria

- With ultra-compact CO<sub>2</sub>-injector For connection to Nano Corner Filter/Corner Filter XL
- Constant supply of CO<sub>2</sub> for 30 days
- Produces over 300,000 CO<sub>2</sub> bubbles
- Especially for 10-60L nano aquaria
- With CO<sub>2</sub> control gel for a virtually constant and controlled CO<sub>2</sub> production
- With bottle support. The CO<sub>2</sub> depot is located at the aquarium (CO<sub>2</sub> production is adapted to the tank temperature)
- With bubble washer for a clean CO<sub>2</sub> supply

Order No.	PU	Contents
5692	1	



### Nano CO<sub>2</sub> Complete set

#### For Nano aquariums:

Comprised of: CO<sub>2</sub> Nano pressure regulator, CO<sub>2</sub>supply with stand, CO<sub>2</sub> special check valve, CO<sub>2</sub>-hose, CO<sub>2</sub>-hose guide, CO<sub>2</sub>-Nano Flipper, CO<sub>2</sub>-long-term test correct, CO<sub>2</sub>-Special indicator, CO<sub>2</sub>-pipette

Order No.	PU	Contents
2967	1	




**Nano CO<sub>2</sub> Complete set Space**
**For Nano aquariums:**

Comprised of: CO<sub>2</sub>-pressure regulator Evolution Space, CO<sub>2</sub>-source with stand, CO<sub>2</sub>-special check valve, CO<sub>2</sub>-hose, CO<sub>2</sub>-hose guide, CO<sub>2</sub>-Nano-Flipper, CO<sub>2</sub>-long-term test correct, CO<sub>2</sub>-special indicator, CO<sub>2</sub>-pipette

Order No.	PU	Contents
3038	1	


**CO<sub>2</sub> pressure regulator Nano**

Order No.	PU	Contents
2996	1	


**Nano CO<sub>2</sub>-hose  
black**

Order No.	PU	Contents
2979	1	

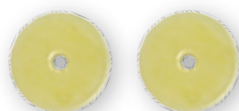

**Nano CO<sub>2</sub>-hose channel**

for practical, kink free hose guidance.

For all hoses with 6mm external dimensions

- Made from high-quality plastic

Order No.	PU	Contents
5989	1	


**Seal for Nano pressure regulator**

Order No.	PU	Contents
3035	3	2 pc.


**PLANT CARE**

**Nano daily fertiliser 15ml - Int**
**Complete fertiliser**

for magnificent plants in mini aquariums

- Highly active nutrients – effective immediately
- For rich green leaves and intense, bright colours
- Does not encourage algae as it is phosphate and nitrate free
- For 3,000 l aquarium water

**K-fertiliser solution 0.3 for fertilisation of ornamental plants in aquariums** 0.3% K<sub>2</sub>O water soluble potassium oxide.  
Micronutrients: 0.006% B boron; 0.0002% Co cobalt; 0.0007% Cu copper; 0.092% Fe iron; 0.001% Li lithium; 0.091% MgO magnesium oxide; 0.036% Mn manganese; 0.004% Mo molybdenum; 0.0002% Ni nickel; 0.0005% Va vanadium; 0.0007% Zn zinc; HEDTA; DTPA; EDTA; NTA.  
Store at room temperature  
Store out of reach of children and animals.

Order No.	PU	Contents
5929	6	15 ml





## Nano DeponitMix

### Special nutrient substrate

for mini aquariums Ready mix.

- With all important nutrients and trace elements
- Plus iron for rich green, healthy leaves
- Storage effect for many years of excellent plant growth

Guarantee – safe for invertebrates  
1 x package for 10-20 l

Order No.	PU	Contents
5912	6	1 kg



**Nano shrimp gravel can be found on page 41**

## LIGHTING



## Nano Power LED 3.5

### Attachable light for Mini aquaria (10 – 15 litre)

- Compact slim-line design
- 12 high-quality power LEDs
- With shimmering effect
- Light colour: daylight (colour rendering: very good)
- Outstanding growing light for aquarium plants
- High-quality aluminium housing, stainless steel mounting rods
- Horizontally and vertically adjustable
- Mount for aquarium glass up to 5 mm thick
- Long lifespan – approx. 20.000 operating hours
- Child-safe thanks to low voltage
- Safety low voltage 21 V, splash-proof

• NEW •

• ENERGY SAVING: 5 WATTS •

6,500 KELVIN, 500 LUMEN (100 LUMEN/WATTS), 1270 LUX  
AT WATER DEPTH OF 40 CM, ANGLE OF RADIATION 120°

Order No.	PU	Contents
5716	1	



## Replacement LED module 3.5

5717 1



## Replacement LED mains adapter 3.5

5718 1







### Nano Power LED 5.0

Attachable light for Mini aquaria  
(10 – 30 litre)

- Compact slim-line design
- 12 high-quality power LEDs
- With shimmering effect
- Light colour: daylight  
(colour rendering: very good)
- Outstanding growing light for  
aquarium plants
- High-quality aluminium housing,  
stainless steel mounting rods
- Horizontally and vertically adjustable
- Mount for aquarium glass up to 5 mm thick
- Long lifespan  
– approx. 20.000 operating hours
- Child-safe thanks to low voltage
- Safety low voltage 21 V, splash-proof

• NEW •

• ENERGY SAVING: 5 WATTS •

6,500 KELVIN, 500 LUMEN (100 LUMEN/WATTS), 1270 LUX  
AT WATER DEPTH OF 40 CM, ANGLE OF RADIATION 120°

Order No.	PU	Contents
5710	1	



4 001615 057102

### Nano Power LED 5.0, set of 2

5711 1 2 pc.



4 001615 057119

### Replacement LED module 5.0

5713 1



4 001615 057133

### Replacement LED mains adapter 5.0

5714 1



4 001615 057140

### Replacement LED mount with 2 screws

5715 1



4 001615 057157





<b>Nano Light</b> <b>Attachable light for mini aquariums</b> <ul style="list-style-type: none"> <li>• Vertical adjustment</li> <li>• Horizontal adjustment</li> <li>• Attaches to aquarium glass Glass thickness Ø 5 mm max.</li> </ul>	
<b>9 W</b> Length: 20.5 cm Height: 13 cm max. 5 mm glass thickness	
<b>11 W</b> Length: 27 cm Height: 13 cm max. 5 mm glass thickness	

Order No.	PU	Contents
5921	1	
5922	1	



<b>Nano Amazon Day</b> <b>Replacement bulb for Dennerle Nano Light</b> Attachable light. Fresh, vivid light like noon on a beautiful summer's day <ul style="list-style-type: none"> <li>• Brings out the natural colouring of fish and plants in all its glory</li> <li>• Outstanding growing light for aquarium plants</li> <li>• Very good colour reproduction</li> <li>• With long-life technology: 10,000 hours of light</li> </ul>	
<b>9 W</b>	
<b>11 W</b>	

Order No.	PU	Contents
5923	1	
5924	1	



<b>Replacement Nano Light mount</b>	
-------------------------------------	--

Order No.	PU	Contents
5654	1	



## FILTRATION



<b>Nano corner filter</b> <b>For aquariums from 10-40 l</b> Corner filter for mini aquariums Powerful, quiet, compact Large surface area for filter bacteria Safe for shrimps and crayfish	
<b>PROBABLY THE BEST-SELLING NANO FILTER IN EUROPE</b>	

Order No.	PU	Contents
5925	1	



more info on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)



**Nano corner XL****For aquariums from 30-60 l**

- Powerful
- Quiet
- Compact
- Water flow fully adjustable, filter output rotatable by 90°
- Nozzle tube with integrated cleaning slide
- Energy saving, electricity consumption just 2 W
- 2 filter elements for alternate cleaning for consistently high water quality

The corner filter XL fits 2 x Nano Clean replacement filter elements or 1 x (see below)

Order No.	PU	Contents
5860	1	

**Nano FilterElement**

- Large surface area for filter bacteria
- Outstanding filter performance
- For crystal-clear, healthy water

For consistently high filter performance we recommend changing the filter element every 3-6 months.

5926	1	1 pc.
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**Nano Filter Elements pack of 3****Nano Filter Elements pack of 3**

+ 1 filter sponge

- Large surface area for filter bacteria
- Outstanding filter performance
- For crystal-clear, healthy water

For consistently high filter performance we recommend changing the filter element every 3-6 months.

5865	1	3 pc.
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**Nano corner filter accessory set**

5897	1	
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## Nano FilterExtension

**Attachable additional filter for Nano corner filter and XL corner filter**

For filling with

- Nano Active Carbon (5841)
- Nano Algae Stop (5842)
- Nano Bio Filter Granules (5844)

Order No.	PU	Contents
5840	4	



## Nano Filter Module

**Filter basket for Nano corner filter and XL corner filter**

For filling with

- Nano Active Carbon (5841)
- Nano Algae Stop (5842)
- Nano Bio Filter Granules (5844)

Order No.	PU	Contents
5845	4	



## Nano BabyProtect

**Additional suction protection for Nano corner filter and XL corner filter**

- Protects newly hatched shrimp larvae
- With filter sponge, pore size approx. 0.5 mm

Order No.	PU	Contents
5846	4	



## Nano ActiveCarbon

**Removes harmful substances, odours and water discolouration.**

Pellet form for clean application and top performance, pH neutral, does not add algae encouraging phosphate, for crystal-clear, healthy water.

Order No.	PU	Contents
5841	4	300 ml



## Nano Algae Stop

**Highly effective phosphate remover for Nano freshwater aquariums.**

Protects against algal blooms by removing nutrients. Effective quickly, active for up to 3 months. Outstandingly biologically friendly

Order No.	PU	Contents
5842	4	300 ml



## Nano Bio Filter Granules

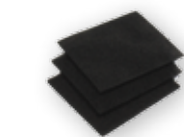
**High-performance, biological, long-term filter material.**

For effective removal of harmful substances. Based on natural clay minerals, fired with open-pore finish. Vast colonization space for biological filtration

Order No.	PU	Contents
5844	4	300 ml







**Nano BabyProtect Foam**

Order No.	PU	Contents
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5847	1	
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4 001615 058475



**Skimmer for Nano corner filter**

5898	1	6 pc.
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4 001615 058987



**Rotor for Nano corner filter**

5928	1	
------	---	--



4 001615 059281



**Nano SkimFilter filter sponge**

5604	1	
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4 001615 056044



**Nano SkimFilter Pad**

5607	1	
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4 001615 056075



**Nano SkimFilter Rotor**

5605	1	
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4 001615 056051



**Nano SkimFilter O-Ring**

5606	1	
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4 001615 056068



**Nano SkimFilter pivot**

5609	1	
------	---	--



4 001615 056099



**Turbo-Skimmer sucker with mount**

5649	1	
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4 001615 056495





### Sucker for Nano ThermoConstant 25°

Order No.	PU	Contents
5639	1	



### Nano Heater

#### For mini aquariums

- Energy efficient heating
- Temperature adjustment scale 18-34 °C, re-adjustable for accurate control
- With indicator light
- Suitable for fresh and salt water

Length: 23 cm

Heating element diameter: 2.4 cm

Power cable: 1.40 m

25 W (10-30 litres) length 23 cm

5954

1



50 W (30-60 litres) length 23,8 cm

5988

1



100 W (60-150 litres) length 31,8 cm

5969

1



### Nano Thermometer

#### For mini aquariums, just 6.5 cm

- Incl. mounting sucker
- Highly accurate
- Easy to read

5919

6




**Nano Hang-On Thermometer**
**Designer thermometer made from glass**

- Measuring range 0 – 40 °C
- Suitable for 6 mm glass (max. 8 mm)
- For fresh and salt water
- Ideal for Nano Cubes

Height: 150 mm; Ø 6 mm

Order No.	PU	Contents
5657	3	



4 001615 056570


**Nano CoolAir eco**
**Aquarium cooler with electronic temperature regulation**

For aquariums 10-100 l

- Protects your aquarium's inhabitants from overheating in summer
- Temperature reduction down to 5 °C
- 2 adjustable power levels:
  1. Half power,
  2. full power
- With temperature sensor, adjustable required temperature and automatic temperature regulation
- Energy saving due to need-based operation
- Especially safe due to 12 V safety voltage, attached to outside of aquarium
- For freshwater and marine aquariums

5663	1	
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4 001615 056631


**Nano CoolAir mains adapter**

5664	1	
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4 001615 056648


**Nano CoolAir locking screw**

5668	1	
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4 001615 056686

**CARE**

**Nano care kit**

Comprised of:

- Nano water treatment
- Nano Crusta-Fit
- Nano Crusta Mineral

Order No.	PU	Contents
5932	1	3x 15 ml



4 001615 059328



**Nano water treatment 15 ml - Int**

**Makes tap water safe for mini aquariums.**

Special protective formula for shrimps and crayfish – effective immediately

- Neutralises dangerous chlorine immediately
- Binds toxic heavy metals such as copper, zinc and lead
- Adds natural biological agents and care substances

For 150 l fresh water

Order No.	PU	Contents
5930	6	15 ml



4 001615 059304

**Nano Catappa Bark**

**Tropical almond tree bark**

Creates aquarium water similar to the tropical aquatic habitat

- For shrimps, crayfish and fish
- Protects the mucous membrane and prevents infections

8 pieces for 160 l, 8 cm

Order No.	PU	Contents
5867	6	8 pc.



4 001615 058673

• 100% NATURAL •



more infos on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)

**Nano Catappa Leaves**

**Natural water maintenance and food supplement**

- Create aquarium water similar, to the tropical aquatic habitat
- Natural decoration, promotes species-appropriate behaviour
- Valuable nutritional supplement for crayfish and shrimps

ca. 6.5 x 8.5 cm

Order No.	PU	Contents
5916	6	12 pc.



4 001615 059168

• 100% NATURAL •



more infos on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)

**Nano Black Cones**

**Alder cones for aquarium water just like tropical water**

- For shrimps, crayfish and fish
- Protects the mucous membrane and prevents infections
- Especially useful in heavily stocked aquariums
- Extremely decorative

Order No.	PU	Contents
5911	6	approx. 25 pc.



4 001615 059113

• 100% NATURAL •



more infos on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)

**Nano FB7 BactoClean**

**Clear water filter bacteria**

Live cleaning bacteria for clear, healthy water

- Remove excreted products, food and plant waste
- Remove toxic substances like ammonia and nitrate
- Activate substrate and filter, improve the filter performance
- For 600 l aquarium water

Order No.	PU	Contents
5855	6	15 ml



4 001615 058550







### Nano Shrimp Net

#### Special net

for shrimps and nano fish

- Extending: 24 – 62 cm
- Stainless steel
- Stable workmanship

**bow-shaped, small, white, 50 x 50 mm**

2478

3

**bow-shaped, small, black, 50 x 50 mm**

2479

3

**bow-shaped, large, white, 75 x 60 mm**

2480

3

**bow-shaped, large, black, 75 x 60 mm**

2481

3



4 001615 024784



4 001615 024791



4 001615 024807



4 001615 024814



### Nano Alginator 2500

#### Power glass cleaner

with 2-zone cleaning for fresh and salt water

- Cleans quickly and effectively thanks to strong neodymium magnet with 2.5 kg attractive force
- Easy cleaning of „rounded corners“ thanks to innovative soft-side construction
- Super flat internal component for easy cleaning behind hardware, plants and decorations
- Secure-grip external element

5659

3



4 001615 056594



**A DENNERLE INNOVATION**



• PATENT PENDING •



more infos on: [www.youtube.com/dennerleagmbh](http://www.youtube.com/dennerleagmbh)



### Nano Aquascaping-Set

#### Design tools

for mini aquariums. Comprised of:

- Plant clippers, length 25 cm
- Gravel spatula, length 31 cm, spatula width: 15 + 68 mm
- Plant tweezers, length 27 cm

Made from stainless steel

5891

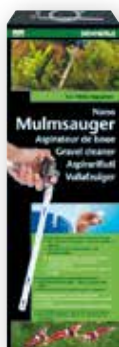
1



4 001615 058918

• MADE FROM STAINLESS STEEL •



**Nano gravel cleaner****For aquariums from 10-40 l**

- Easy suction thanks to integrated pump
- With slimline suction pipe – ideal for planted aquariums
- With practical hose mount and flow regulator

Suction pipe length: 30 cm.

• NEW! WITH IMPROVED TECHNOLOGY •

Order No.	PU	Contents
5878	1	

**Nano MiniLab****For simultaneous determination of the 5 most important water values:****pH, KH, GH, Nitrite and nitrate**

Order No.	PU	Contents
5869	6	

**Nano feeding tongs**

- Feed your shrimps in the place where they most like to eat
- With adjustable tether and sucker
- Simple, practical and convenient

Order No.	PU	Contents
5868	6	



## DECORATION

**NanoDecor Crusta Root S****Decorative root for Nano aquariums**

- Enriches the environment, improves living conditions
- Made from water-neutral plastic– safe for fish, shrimps, crayfish, etc.

Dimensions approx. 10 x 6 x 3 cm

Order No.	PU	Contents
5880	3	



**NanoDecor Crusta Root M****Decorative root for Nano aquariums**

- Made from water-neutral plastic – safe for fish, shrimps, crayfish, etc..
- Encourages species-appropriate behaviour

Dimensions approx. 15 x 9 x 7 cm

Order No.	PU	Contents
5881	3	



4 001615 058819

**NanoDecor Crusta Wood S****Decorative element for Nano aquariums**

- Encourages natural behaviour
- Made from water-neutral plastic– safe for fish, shrimps, crayfish, etc.
- Reduces stress by providing protection and options to retreat
- Tip: Attach mosses for a particularly natural effect.

Dimensions approx. 15.5 x 10 x 10 cm

Order No.	PU	Contents
5884	3	



4 001615 058840

**NanoDecor Crusta Wood M****Decorative element for Nano aquariums**

- Encourages natural behaviour
- Made from water-neutral plastic– safe for fish, shrimps, crayfish, etc.
- Reduces stress by providing protection and options to retreat
- Tip: Attach mosses for a particularly natural effect.

Dimensions approx. 16 x 11.5 x 8 cm

Order No.	PU	Contents
5885	3	



4 001615 058857

**NanoDecor Crusta Tree M****Decorative element for Nano aquariums**

- Made from water neutral plastic – safe for fish, shrimps, crayfish, etc..
- Encourages species-appropriate behaviour
- Tip: Attach mosses for a particularly natural effect.

Dimensions approx. 11 x 9 x 9 cm

Order No.	PU	Contents
5889	3	



4 001615 058895

**NanoDecor Crusta Tree S****Decorative element for Nano aquariums**

- Makes the invertebrates' environment more attractive and encourages natural behaviour
- Made from water neutral plastic
- Tip: Attach mosses for a particularly natural effect.

Dimensions approx. 9 x 6 x 7 cm

Order No.	PU	Contents
5888	3	



4 001615 058888



**Nano Decor Crusta Tubes XL3****Ceramic tubes for shrimps and crayfish**

- Reduces stress by providing protection and options to retreat
- Encourages species-appropriate behaviour
- With bio-filter function\*
- For a particularly natural effect: attach mosses

Dimensions 11.8 x 10.3 x 11 cm

Order No.	PU	Contents
5934	3	

**Nano Decor Crusta Tubes S3****Ceramic tubes for shrimps and crayfish**

- Reduces stress by providing protection and options to retreat
- Encourages species-appropriate behaviour
- With bio-filter function\*
- For a particularly natural effect: attach mosses

Dimensions 4.8 x 7.3 x 4.5 cm

Order No.	PU	Contents
5933	3	



**\* Bio-filter function: Porous special ceramic for colonisation by filter bacteria for improved water quality**

**Nano Decor Crusta Tubes S6****Ceramic tubes for shrimps and crayfish**

- Reduces stress by providing protection and options to retreat
- Encourages species-appropriate behaviour
- With bio-filter function\*
- For a particularly natural effect: attach mosses

Dimensions 7.6 x 7.6 x 7 cm

Order No.	PU	Contents
5935	3	

**Nano Decor Crusta Cave M****Ceramic tubes for shrimps and crayfish**

- Reduces stress by providing protection and options to retreat
- Encourages species-appropriate behaviour
- With bio-filter function\*
- Attach mosses for a particularly natural effect, e.g. Java moss

Dimensions 10.5 x 7 x 7.4 cm

Order No.	PU	Contents
5936	3	





**Nano Decor Oak Wood****Decorative element for Nano aquariums**

- Enriches the environment, improves living conditions
- Made from water-neutral plastic – safe for fish, shrimps, crayfish, etc.
- Provides protection and options to retreat
- Tip: For a particularly natural effect add plants

Dimensions approx. 14 x 10 x 7.5 cm

Order No.	PU	Contents
5848	1	



4 001615 058482

**Nano Decor Bonsai Tree****Decorative element for Nano aquariums**

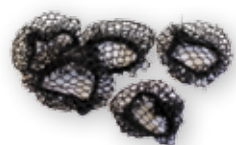
- To attach mosses and epiphytes
- Enriches the environment and improves living conditions
- Made from water-neutral plastic – safe for fish, shrimps, crayfish, etc.

Dimensions approx. 19.5 x 9 x 12 cm

Order No.	PU	Contents
5850	1	



4 001615 058505

**Nano Decor Bonsai Tree****Replacement nets – 5 pc.**

Order No.	PU	Contents
5849	1	5 pc.



4 001615 058499

**Nano Decor Moor Wood****Decorative element for Nano aquariums**

- Enriches the environment, improves living conditions
- Made from water neutral plastic
- Reduces stress by providing protection and options to retreat
- Tip: Attach mosses for a particularly natural effect.

Dimensions approx. 22 x 13 x 11 cm

Order No.	PU	Contents
5851	3	



4 001615 058512

**Nano Decor Pebble Cave****Decorative element for Nano aquariums**

- Enriches the environment, improves living conditions
- Made from water-neutral ceramic – safe for shrimps, crayfish etc.
- Reduces stress by providing protection and options to retreat
- Encourages species-appropriate behaviour

Dimensions approx. 7.5 x 6 x 4.5 cm

Order No.	PU	Contents
5852	3	



4 001615 058529

**Nano Decor Rocky Cave****Decorative element for Nano aquariums**

- Enriches the environment, improves living conditions
- Made from water-neutral ceramic – safe for shrimps, crayfish etc.
- Reduces stress by providing protection and options to retreat
- Encourages species-appropriate behaviour

Dimensions approx. 9 x 5 x 4.5 cm

Order No.	PU	Contents
5853	3	



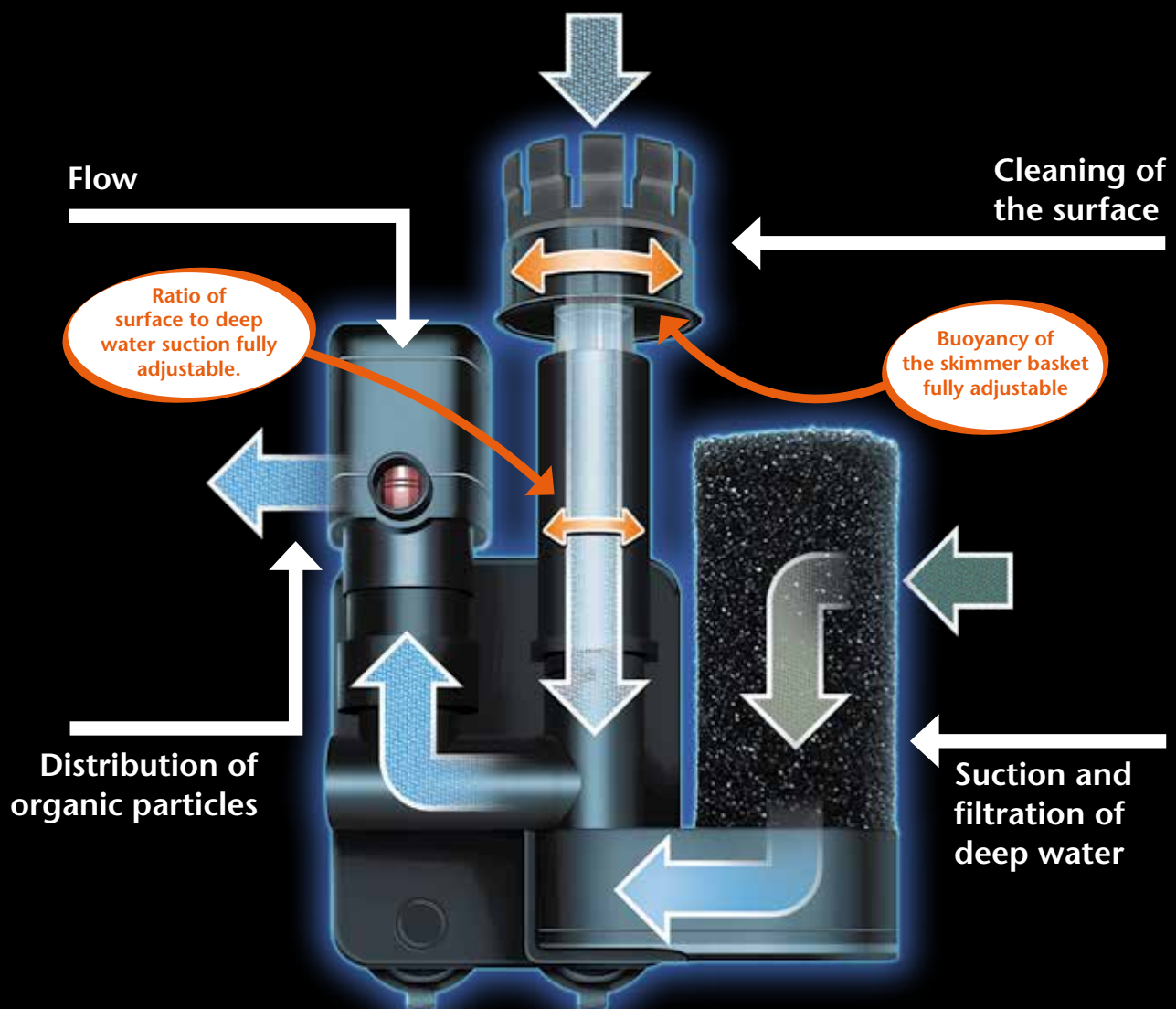
4 001615 058536





NANO MARINUS

# NANO MARINUS BIO-CIRCULATOR 4 IN 1, MORE THAN JUST A FLOW PUMP



The centerpiece of each  
Nano Marinus system



### Nano Marinus Cube 30 Complete PLUS

Contains: Nano Marinus Reef Light 24 W, Nano Marinus Bio-Circulator 4in1, Nano safety heater 50 W, Nano Marinus Reef Sand 2 kg, Nano Marinus Reef Salt 1 kg, Nano Marinus densimeter, protective base mat, Nano Marinus Reef Elements 15 ml, CrustaGran Marinus 3 g, Nano Marinus CoralActiv 3 g, Nano Thermometer, cover

• COMPLETE SET •

Order No.	PU	Contents
5614	3	



4 001615 056143



### Nano Marinus PVC base mat 30

270 x 270 mm

Order No.	PU	Contents
5646	1	



4 001615 056464



### Nano Marinus Cube 60 Complete PLUS

Contains: Nano Marinus Reef Light 36 W, Nano Marinus Bio-Circulator 4in1, Nano Nano safety heater 100 W, Nano Marinus Reef Sand 6 kg, Nano Marinus Reef Salt 3 kg, Nano Marinus densimeter, protective base mat, Nano Marinus Reef Elements 15 ml, CrustaGran Marinus 3 g, Nano Marinus CoralActiv 3 g, Nano Thermometer, cover

• COMPLETE SET •

Order No.	PU	Contents
5615	3	



4 001615 056150



### Nano Marinus PVC base mat 60

350 x 350 mm

Order No.	PU	Contents
5647	1	



4 001615 056471

## FILTRATION + FLOW



### Nano Marinus BioCirculator 4in1

- Electricity
- Filtration
- Surface cleaning
- 24-hr feeding

• FIND MORE INFORMATION ON P. 117 •

Order No.	PU	Contents
5617	1	



4 001615 056174





**Foam cartridge small**  
Replacement part for BioCirculator 4 in 1

Order No.	PU	Contents
5643	1	



**Foam cartridge large**  
Replacement part for BioCirculator 4 in 1

Order No.	PU	Contents
5644	1	



**BioCirculator pump**  
Replacement part for BioCirculator 4 in 1

Order No.	PU	Contents
5651	1	



**BioCirculator rotor**  
Replacement part for BioCirculator 4 in 1

Order No.	PU	Contents
5652	1	



**BioCirculator sucker mount**  
Replacement part for BioCirculator 4 in 1

Order No.	PU	Contents
5653	1	4 pc.



## SUBSTRATE



**Nano Marinus Reef Sand**  
**Special substrate**  
for small saltwater aquariums Grain size 0.5 – 1.2 mm

- High-purity, natural calcium/ magnesium carbonate
- Ideal for shrimps, crabs, gobies, tube worms, sea anemones, snails and a rich diversity of micro fauna
- Free of harmful substances. Does not add nitrates or phosphates, stabilizes the pH value

Order No.	PU	Contents
5624	5	2 kg







### Nano Marinus ReefLight 2:2

Attachable light for  
Nano marine aquariums

- With integrated high-gloss reflector: 100% more light power than conventional lights without a reflector, same illumination
- Including compact fluorescent bulb

Order No.	PU	Contents
5690	1	36W
5689	1	24W



### Nano Marinus Blue/White 3:1

24 W replacement bulb for Reef Light

Light conditions like those in a natural coral reef

- Fresh, vivid 10,000 Kelvin light plus actinic blue light
- 1,200 Lumen (24W), average lifespan: 6,000 hours of light
- Outstanding growing light for corals

5622	1	
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### Nano Marinus Blue/White 2:2

Light conditions like those in a natural coral reef

- Fresh, vivid 10,000 Kelvin light plus actinic blue light
- 1,200 Lumen (24W), 2150 Lumen (36W) average lifespan: 6,000 hours of light
- Outstanding growing light for corals

24 W replacement bulb for Reef Light

5641	1	
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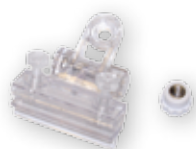
36 W replacement bulb for Reef Light

5642	1	
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• NOW WITH IMPROVED BLUE SPECTRUM •





### Reef Light mount replacement part

Order No.	PU	Contents
5655	1	



4 001615 056556



### Reef Light replacement screw+nut

Order No.	PU	Contents
5656	1	



4 001615 056563

## CARE



### Nano Marinus Reef Salt

#### Special sea salt for small marine aquariums

- Contains all major and trace elements found in tropical sea water in natural conditions
- Top quality, from pure pharmaceutical salts
- Ideal living basis for coral fish, stony and soft corals, shrimps and all other coral reef inhabitants

Order No.	PU	Contents
5625	6	1 kg



4 001615 056259



### Nano Marinus Reef Elements

#### Essential trace elements

- Supplements all the essential minerals and trace elements that are consumed in Nano reef aquariums
- Promotes healthy, even growth of all aquarium inhabitants
- Stabilises the biological equilibrium
- For intense, bright, fluorescent colours of corals, fish and shrimps.
- 15 ml for 600 l aquarium water

Order No.	PU	Contents
5630	6	15 ml



4 001615 056303



### Nano Marinus FB7 BactoClean

#### Clear water filter bacteria

Live cleaning bacteria for clear, healthy water

- Remove excreted products, food and plant waste
- Remove toxic substances like ammonia and nitrate
- Activate substrate and filter, improve the filter performance
- 15 ml for 600 l aquarium water

Order No.	PU	Contents
5636	6	15 ml



4 001615 056365





### Nano Marinus

#### Crusta Gran Marinus

##### Main food for shrimps and crayfish

- Sinkable food pearls for biologically balanced nutrition
- Size: 2 mm
- With high content of ingredients from marine animals and marine algae rich in vital substances
- Ideal for hermit crabs, crabs and shrimps (*Lysmata sp.*, *Thor amboinensis*, etc.)

Complete food for shrimps and crayfish in marine aquariums

• DOES NOT CLOUD •

**Composition:** Molluscs and crustaceans, cereals, algae, vegetable by-products, vegetables, fish and fish by-products, oils and fats. Analytical constituents: 39% crude protein, 6.9% crude fat, 4.0% raw fibre, 15.7% crude ash, 6% moisture.

**Additives per kg. Sensory additives:** Colourings.

**Nutritional additives:** 25,000 IU E 672 vitamin A, 1,850 IU E 671 vitamin D3, 220 mg vitamin E, 270 mg vitamin C (L-ascorbyl-2-polyphosphate), 9 mg vitamin B1, 12 mg vitamin B2, 7 mg vitamin B6, 6 mg vitamin K3, 60 mg nicotinic acid, 30 mg pantothenic acid, 300 mg inositol, 3 mg folic acid, 360 mg choline chloride

**Feeding recommendation:** As much as the shrimps/crayfish can eat within a few minutes, once a day.

Order No.	PU	Contents
5631	6	100 ml



4 001615 056310



### Nano Marinus

#### Nano Gran Marinus

##### Main food for nano fish Fine granules

- For biologically balanced nutrition especially for nano fish (up to 3 cm)
- Sinking fine granules, grain size 0.7 – 1 mm
- With high content of ingredients from marine animals plus marine algae rich in vital substances
- For healthy, vibrant coloured fish

Complete food for ornamental fish in marine aquariums

• DOES NOT CLOUD •

**Composition:** Fish and fish by-products, cereals, molluscs and crustaceans, algae, vegetable by-products, vegetables, oils and fats. Analytical constituents 52% crude protein, 8.8% crude fat, 2.6% raw fibre, 12.2% crude ash, 6% moisture.

**Additives per kg. Sensory additives:** Colourings.

**Nutritional additives:** 31,500 IU E 672 vitamin A, 2,350 IU E 671 vitamin D3, 250 mg vitamin E, 300 mg vitamin C (L-ascorbyl-2-polyphosphate), 12 mg vitamin B1, 15 mg vitamin B2, 9 mg vitamin B6, 8 mg vitamin K3, 80 mg nicotinic acid, 40 mg pantothenic acid, 400 mg inositol, 4 mg folic acid, 460 mg choline chloride

**Feeding recommendation:** As much as the fish will eat within 1 minute, twice a day.

Order No.	PU	Contents
5638	6	100 ml



4 001615 056389





**Nano Marinus  
CoralActiv**

**Plankton food for filter feeders and  
small reef dwellers**

- Phyto and zooplankton (5-100 µm) to feed filter feeding tube worms, mussels and corals
- Plus fine food (100-800 µm) for small nano reef dwellers

Complete food for filter feeding animals in marine aquariums

• DOES NOT CLOUD •

**Composition:** Minerals, molluscs and crustaceans, algae, yeasts, cereals, vegetables, vegetable by-products, fish and fish by-products.

**Analytical constituents:** 16% crude protein, 2% crude fat, 1% raw fibre, 68% crude ash, 3% moisture.

**Additives per kg. Sensory additives:** Colourings.

**Nutritional additives:** 3,500 IU E 672 vitamin A, 260 IU E 671 vitamin D3, 38 mg vitamin E, 40 mg vitamin C (L-ascorbyl-2-polyphosphate), 1 mg vitamin B1, 1 mg vitamin B2, 1 mg vitamin B6, 0.8 mg vitamin K3, 8 mg nicotinic acid, 4 mg pantothenic acid, 41 mg inositol, 0.4 mg folic acid, 50 mg choline chloride.

**Feeding recommendation:** Depending on stock level ½-1 measuring spoon for every 30 litres of aquarium water, every 1-2 days

Order No.	PU	Contents
5648	6	100 ml



DECORATION



**Nano Marinus  
ReefShell - M**

**Snail shells**

for natural decoration

- Ideal housing for hermit crabs
- Size: 18 - 32 mm

Tip: There should always be some snail shells in the aquarium that are bigger than the occupied hermit crab shells

Order No.	PU	Contents
5634	6	15 pc.



USEFUL ACCESSORIES



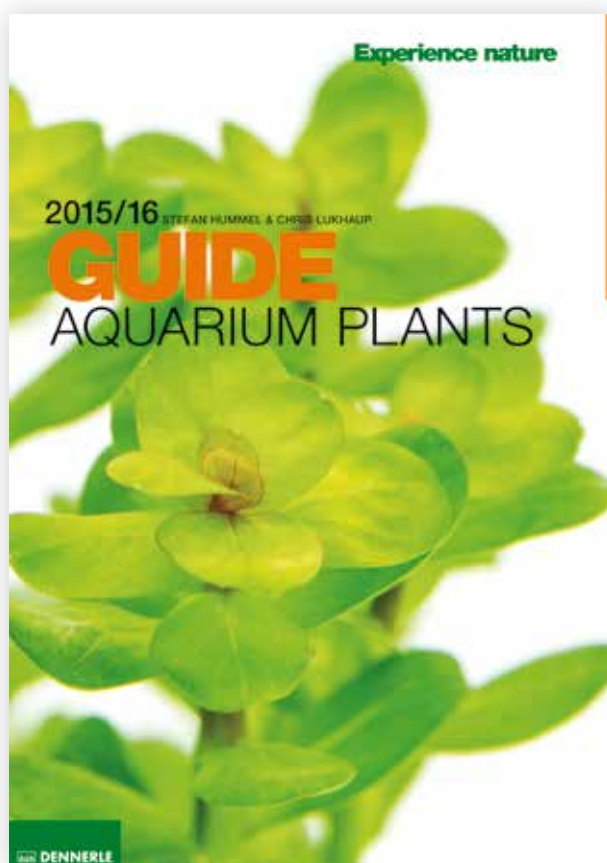
**Nano Marinus Densimeter**  
**High precision hydrometer**

- Measuring range 1,000 – 1,040 g/ml
- Calibrated to 25 °C
- Optimum range marked in green
- Highly accurate, individually tested
- Environmentally friendly, no lead
- Length: 120 mm
- Diameter: 15 mm

Order No.	PU	Contents
5626	6	







	Order No.	PU	Contents
<b>Price lists and catalogues</b>			
<b>Plant price list GB</b>	2054	1	
<b>Accessories price list</b>	2255	1	
<b>Guide aquarium plants GB</b>	2652	1	



**„Nano“ carrier bag**

Order No.	PU	Contents
2368	1	50 pcs.

**Fish transport bag****Fish transport bag small**

2177	1	25 pcs.
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**Fish transport bag large**

2178	1	25 pcs.
------	---	---------

**Plant bag**

2124	1	25 pcs.
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**Lanyard / Dennerle****Black lanyard**

Order No.	PU	Contents
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2829

1



4 001615 028294

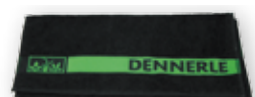
**Green lanyard**

2852

1



4 001615 028522

**Black Dennerle towel**

1267

1



4 001615 012675

**,Fish are friends' T-shirt****For men and women****Women – size: S**

3227

1



4 001615 032277

**Women – size: M**

3228

1



4 001615 032284

**Women – size: L**

3229

1



4 001615 032291

**Men – size: M**

3230

1



4 001615 032307

**Men – size: L**

3231

1



4 001615 032314

**Men – size: XL**

3232

1



4 001615 032321



	Order No.	PU	Contents
<b>„Green Gang“ T-shirt</b> For men and women			
Women – size: S	3137	1	
Women – size: M	3138	1	
Women – size: L	3139	1	
Women – size: XL	3140	1	
Men – size: S	3132	1	
Men – size: M	3133	1	
Men – size: L	3134	1	
Men – size: XL	3135	1	
Men – size: XXL	3136	1	







	Order No.	PU	Contents	
<b>„Aquatic Revolution“ T-shirt</b> For men and women				
Women – size: S	3141	1		 4 001615 031348
Women – size: M	3142	1		 4 001615 031423
Women – size: L	3143	1		 4 001615 031430
Men – size: M	3144	1		 4 001615 031447
Men – size: L	3145	1		 4 001615 031454
Men – size: XL	3146	1		 4 001615 031461



**Blister support  
,Fish are friends'**

Order No.	PU	Contents
2318	1	



**Display mount  
Plant sales installation**

2039		
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**Bactoclean dispenser tube**

2773	1	
------	---	--



**Bactoclean Dispenser Display - D**

2774	1	
------	---	--



**4 hole plant module**

2037	16	
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With CO<sub>2</sub> fertilisation

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■ **Satisfied:**  
The cost of the test system will  
be credited against the purchase  
of a disposable or reusable system



e.g.  
BIO CO<sub>2</sub> 60 Complete-Set

The satisfaction guarantee may not be implemented  
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Nano Crusta Mineral • Deponit NutriBalls – fertiliser balls • PowerTabs – root fertiliser  
Nano Marinus ReefSand • Nano Marinus ReefSalt • DUOMAT Evolution • Kristall-Quarzkies  
CO<sub>2</sub> Flipper • Trocal T5 Special Plant • PondSludge degrading aid FB4 • Pond care set Easy •  
Water conditioner – Avera • Mineral water clearer - ClearUp! • Thread algae kill Rapid  
pH-Controller Evolution DeLuxe • CO<sub>2</sub> Micro-Perler • Nano Deponit Mix • CO<sub>2</sub> Mini-Flipper etc.





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