

**ARKA**<sup>®</sup>  
A Q U A T I C S



**MICROBE-LIFT**<sup>®</sup>



GENERAL CATALOGUE  
**AQUARISTICS**

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## ARKA BIOTECHNOLOGIE GMBH

### WHO ARE WE?

At ARKA Biotechnologie GmbH, our aim is to produce and distribute innovative products for marine and freshwater aquariums and ponds. In doing so, we focus on the highest quality standards, maximum effectiveness, user-friendliness and outstanding customer service.

Under our two brands **MICROBE-LIFT®** and **ARKA Aquatics**, we combine a very broad and extensive range of products – making it as easy and effective as possible to establish and maintain your aquarium long-term. To achieve this goal, our products are subject to constant quality and optimisation processes so you can rely on their safety and performance at all times.

# MICROBE-LIFT®

**MICROBE-LIFT®** offers biological and chemical products for the optimal care of all saltwater and freshwater aquariums.

# ARKA®

A Q U A T I C S

**ARKA Aquatics** comprises a diverse range of products from the areas of reef ceramics, decorations & rocks, technology and accessories.

## KEY FEATURES OF OUR PRODUCTS

- Maximum efficiency
- Very high ranges
- Simple use
- Safe to use in the aquarium
- High quality ingredients
- Strictly controlled quality standards
- Developed with nature in mind
- Perfectly coordinated with each other







**ARKA**<sup>®</sup>



**MICROBE-LIFT**<sup>®</sup>



**PRODUCTS**  
**SALTWATER & FRESHWATER**

The optimal supply for every saltwater and freshwater aquarium



## WHY DO YOU NEED BACTERIA IN THE AQUARIUM?

Bacteria are the most important living organisms in every aquarium! But why? **Quite simply, nothing works without them.**

Bacteria take care of essential biological processes, such as nitrification (ammonium/ammonia -> nitrite -> nitrate) and denitrification (nitrate -> nitrogen), break down organic waste and have many other tasks to perform from day one of an aquarium. They do all this almost invisibly – which is why you often don't even think about them, but take such processes for granted. But a bacteria balance that's too low or disturbed will quickly become apparent – and lead to permanent problems in the aquarium. It thus becomes easier for undesirable organisms – such as cyanobacteria or dangerous pathogenic germs – to spread, because natural competition is sadly lacking. As nothing should be left to chance here, you should always ensure a sufficient supply of bacteria. This makes bacteria the biological answer to many problems in the aquarium – allowing aquarium-friendly and lasting solutions.

When establishing an aquarium, however, you can't always assume that all the bacteria and microorganisms necessary for water purification and maintenance will be supplied in the right proportions with the help of imported live rock (seawater) and plants (freshwater) for instance.

This is where our **MICROBE-LIFT bacteria products** come into play. These have been developed in the laboratory and are specially formulated for the needs of modern aquariums. They enable **ideal supply of all important bacteria cultures** for the biological processes associated with the aquarium's water and the creatures living in it.

## WHAT ARE THE ADVANTAGES OF MICROBE-LIFT BACTERIA PRODUCTS?

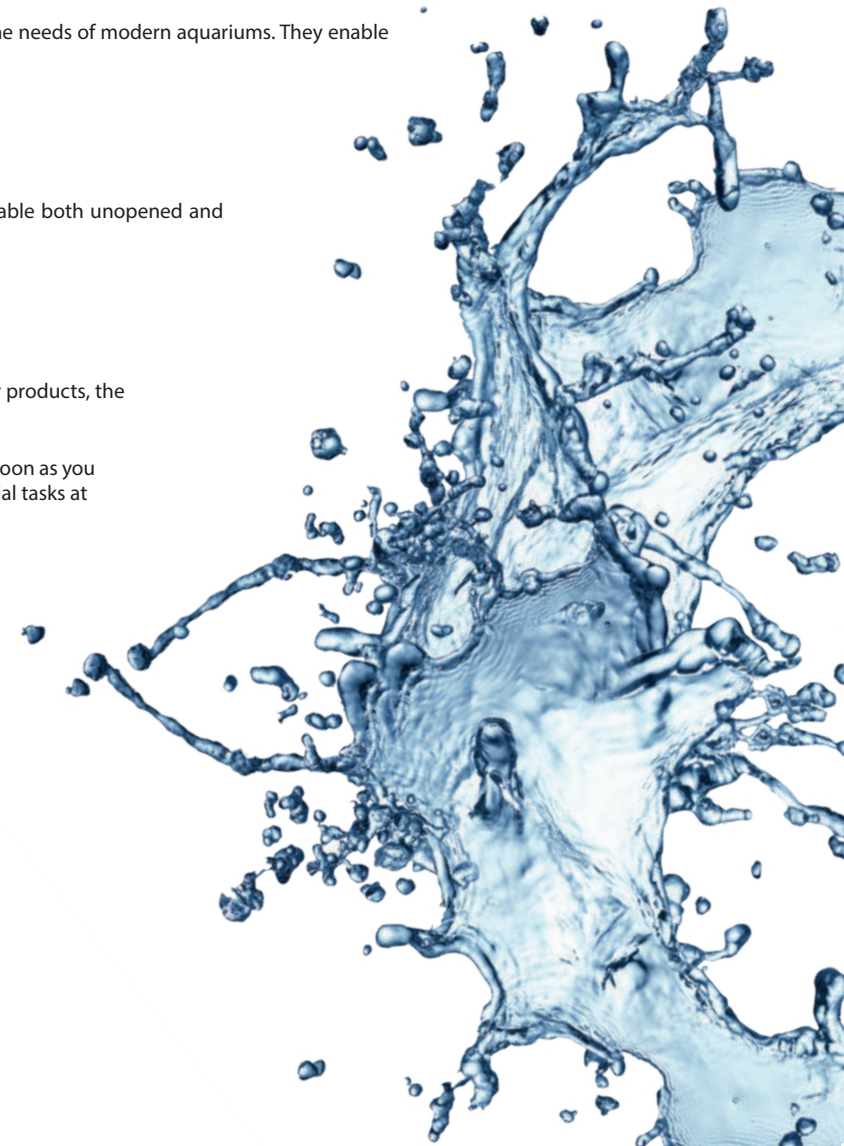
All our bacterial products offer a very **large number of contained bacteria**, with a **very high effectiveness**. What's more, our products remain stable both unopened and opened at normal room temperature – with the exception of Nite-Out II (which should be stored in the refrigerator after opening).

## “THERE'S LIFE IN THE BOTTLE!”

If you're wondering why our products achieve good results so quickly and why you can get your aquarium off to an ideal start from day one with our products, the answer is: **live bacteria cultures!**

The bacteria in our products are already fully developed, but in “standby mode” – in the bottle and are just waiting to get to work in your aquarium. As soon as you open the bottle and dose the product into your aquarium, the bacteria swim to the settlement areas – and can immediately begin to fulfil their essential tasks at full capacity.

As you can see, bacteria are the basic building block for every aquarium and it's worth ensuring an optimal supply in the long term!





1

## NITE-OUT II STARTER BACTERIA

### What is Nite-Out II?

Nite-Out II is a specially developed bacterial blend of purely biological ingredients that accelerates and perfects the establishment and upkeep of marine and freshwater aquariums.

### What can Nite-Out II do?

It ensures optimally functioning nitrification in the aquarium rapidly and lastingly:  
 $\text{NH}_3$  ammonia /  $\text{NH}_4$  ammonium  $\rightarrow$   $\text{NO}_2$  nitrite  $\rightarrow$   $\text{NO}_3$  nitrate

### What are the advantages of Nite-Out II?

Together with Special Blend, Nite-Out II replaces the "classic" run-in method and ensures that fish can be stocked quickly and safely.

### When do I need Nite-Out II?

It is used at the start of an aquarium and subsequently, typically after major water changes and for new stocking.

### How do I dose Nite-Out II?

**Dosage (new aquarium):** Add 10 ml daily to 100 litres of water until ammonium/ammonia/nitrite is no longer measurable.

**Dosage (maintenance & care):** Add a one-time dose of 10 ml to 100 litres of water after each water change or re-population with new animals.

Item #	Content	Range
NITEH04	118 ml (4 fl. oz.)	approx. 1,150 litres
NITEH08	236 ml (8 fl. oz.)	approx. 2,300 litres
NITEH16	473 ml (16 fl. oz.)	approx. 4,600 litres
NITEHG1	3.785 l (1 gal.)	approx. 36,800 litres

## DID YOU KNOW..?

Nite-Out II contains **brackish water bacterial strains**, which have a key advantage over frequently used tropical bacterial strains: they already reach **maximum performance** at a **water temperature of approx. 25°C**, making them ideal for use in aquaria.

## TIPS & TRICKS

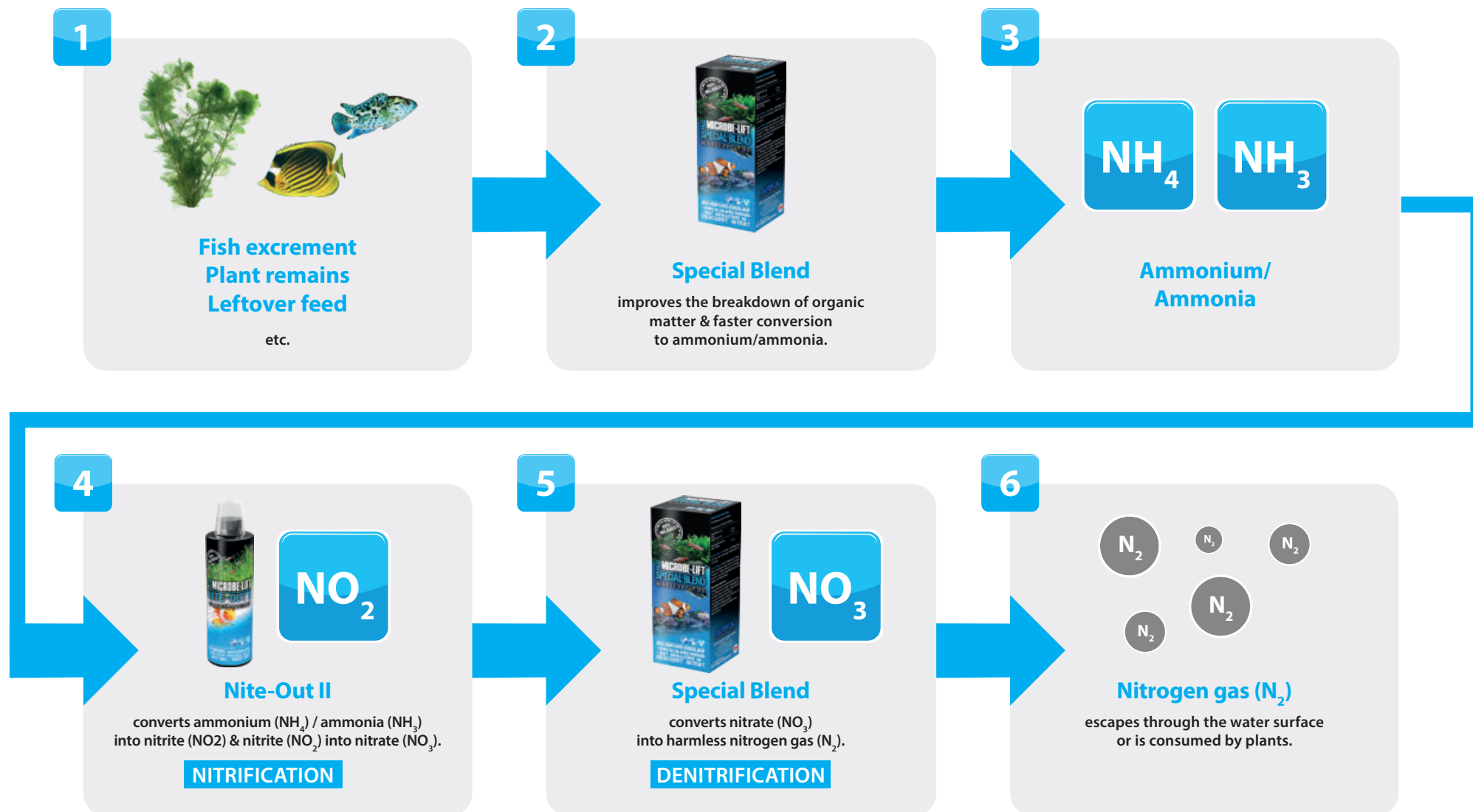
- Ensure sufficient carbonate hardness (KH) in order to accelerate the nitrification process.
- Ozone and UV light can kill bacteria; please switch it off during the application for 12-24 hours.
- Keep your skimmer on all the time to ensure adequate oxygenation, as bacteria also use oxygen.
- Once opened, store Nite-Out II in the refrigerator between 4°C and 7°C.





## THE BIOLOGICAL CYCLE

6 steps to a natural, clean and healthy aquarium!





## 2

## SPECIAL BLEND

### WATER CARE BACTERIA

#### What is Special Blend?

Special Blend is a specially developed bacterial blend of purely biological ingredients that ensures a perfectly functioning aquatic biology in every marine and freshwater aquarium.

#### What can Special Blend do?

- Breaks down organic waste
- Improves growth and nutrient uptake in plants and corals
- Aids in the reduction of ammonia and nitrite
- Biologically reduces nitrate
- Breaks down excess proteins
- Removes odours
- Clears water
- Reduces maintenance

#### What are the advantages of Special Blend?

Special Blend contains only live, fully developed bacterial strains – these taking effect immediately after dosing. Thanks to a multitude of useful and effective bacteria cultures, it reduces the maintenance required in any aquarium and ensures sustainably improved water quality.

#### When do I need Special Blend?

It is used immediately from the start of an aquarium and then regularly for maintenance and care.

#### How do I dose Special Blend?

Dosage per 100 litres of water:

##### Initial dosage:

Day 1 25 ml  
Day 8, 15, 22, 29 15 ml

##### Maintenance dosage

Every 2 weeks 7.5 ml

Item #	Content	Range
SBH04	118 ml (4 fl. oz.)	approx. 1,500 litres
SBH08	236 ml (8 fl. oz.)	approx. 3,300 litres
SBH16	473 ml (16 fl. oz.)	approx. 6,300 litres
SBHG1	3.785 l (1 gal.)	approx. 50,400 litres

## TIPS & TRICKS

- Note that bacteria need a certain amount of phosphate as an energy source to carry out important biological processes in the aquarium.
- Ozone and UV light can kill bacteria; please switch it off during the application for 12-24 hours.
- Keep your skimmer on all the time to ensure adequate oxygenation, as bacteria also use oxygen.
- Can be stored unopened or opened at normal room temperature.
- Saltwater inhibits the growth of bacteria; for faster results, add an additional 25-50 %.
- Special Blend combined with TheraP is the ideal biological overall solution for caring for your aquarium and its inhabitants.
- Make sure that there are enough low-oxygen (anaerobic) settlement areas in the aquarium.

### Why does Special Blend smell?

One of the ingredients in **Special Blend** is **purple sulphur bacteria** – an active agent ensuring that dangerous hydrogen sulphide (which forms in the substrate) is broken down in the aquarium.

This is why Special Blend has its **unmistakable sulphur-like odour** – although any **smell disappears completely after dosing** in the water.

**Important:** If the smell changes to one reminiscent of burnt rubber, **Special Blend** should no longer be used.





## Special Blend contains i.a. the following bacterial strains or genera:

### Nonsulfur purple bacteria (Photosynthetic bacteria):

**Rhodopseudomonas sp.** – Break down partially toxic halogenated carboxylic acids.

**Rhodospirillum rubrum** – Fix the nitrogen that comes from nitrate degradation and thus compete against cyanobacteria, which can also fix nitrogen. Very good for preventing red cyano deposits on the substrate and furnishings.

### Purple sulfur bacteria (Photosynthetic bacteria):

**Thiobacillus thiooxidans** – Convert the dreaded and toxic hydrogen sulfide into the less dangerous sulfuric acid, which is no longer a problem if the carbonate hardness in the aquarium is sufficient.

**Thiobacillus denitrificans** – Reduce nitrate resulting from nitrification to molecular nitrogen (gas). This, in combination with the above Nitrogen-fixing bacterium *Rhodospirillum rubrum* created a cycle that makes it difficult for the cyanobacteria to get any nitrogen source.

**Thiobacillus thioparus** – Break down dangerous organic sulfur compounds such as carbon disulphide, methanethiol, dimethyl sulphide and dimethyl disulphide before they can form toxic hydrogen sulphide gas from any acids in the aquarium.

### Pseudomonas:

**Pseudomonas citronellolis** – Breaks down fats, phospholipids, oils and other toxic hydrocarbon compounds. Plasticizers are also partly converted into less dangerous compounds. Phosphates are temporarily bound in the bacteria and thus partially removed from the aquarium system.

### Alcaligenes:

**Alcaligenes Obligat aerob** – Break down nitrate under anaerobic conditions.

### Flavobacterium:

**Flavobacter aquatile** **Flavobacter oceanosedimentum** – Come from the oceanic sedimentary layer. Need nitrogen compounds for their growth.

### Nitrobacter:

**Nitrobacter winogradski** – Oxidize nitrite to nitrate. Classic nitrifier.

### Nitrosomonas:

**Nitrosomonas europaea** – Oxidize ammonium to nitrite. Classic nitrifier.

### Nitrococcus:

**Nitrococcus mobilis** – Oxidize nitrite to nitrate. Classic nitrifier.

### Comamonas:

**Comamonas testosterona** – Acts as a stimulant in water purification (see Bioaugmentation) Bioaugmentation is used to convert chlorinated ethenes to ethylenes and chlorides, which are harmless.

### Bacillus:

**Bacillus pumilus** – Protect plants and animals in the aquarium from fungus. Effectively break down plant residues before they can become a threat to plants and fish in the aquarium as fungal foci.

### Clostridia:

**Clostridium nitrophenolicum** – Specifically break down phenols (e.g. yellow substances) and nitrophenols. This makes the water much clearer (almost as if it were filtered with activated carbon).

## ECOSYSTEM IN THE BOTTLE

Thanks to its unique composition, **Special Blend** forms its **own biological ecosystem in the bottle** – which is why it **must only be kept in the original bottle and not decanted**.

The **suspended matter** contained in the bottle as well as the **particles adhering** to the bottle wall are **completely natural** and **harmless (biofilm)**. They can be safely **dosed into the aquarium**.

There may also be **variations** in the **colour, smell and appearance** of the bottles – but this doesn't affect the **high quality standard**.

## WHAT MAKES IT SO UNIQUE?

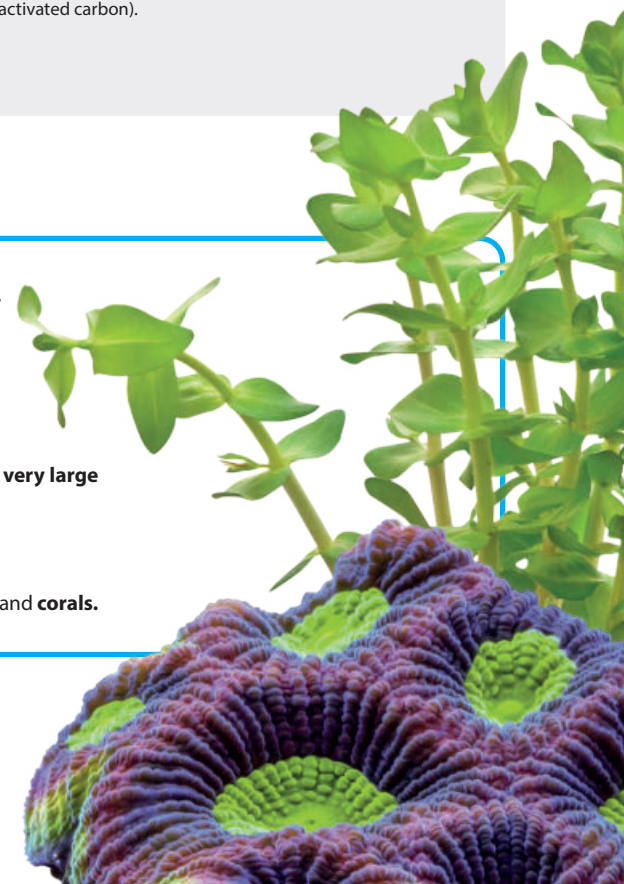
Among other ingredients, **Special Blend** contains **photosynthetic bacteria cultures**, which are also present in nature in every body of water. This makes sure the aquarium is **as close to nature as possible**.

**Plants and corals** need **light for their growth** and **optimal health** – but they can **only utilise part of the light spectrum** provided by aquarium lighting.

The **photosynthetic bacteria** in **Special Blend** help the plants and corals to **absorb a very large part of the remaining** and **normally unused light spectrum**.

Besides this, **Special Blend** also ensures that plants can **better utilise fertiliser**.

This leads to **significantly improved, healthy growth** and **more magnificent plants and corals**.





## 3

## THERA P FISH CARE BACTERIA

### What is TheraP?

As a specially developed bacterial mixture of purely biological ingredients, TheraP ensures a perfectly functioning biology of all living organisms in every marine and freshwater aquarium.

### What can TheraP do?

- Improves the growth and natural colours of all living organisms
- Improves the health and well-being of all animals with probiotic bacteria
- Suitable as a feed for corals and filter feeders as a natural bacterial plankton
- Protects the mucous membranes of the animals from external stress by providing a natural protective layer
- Reduces losses
- Particularly helpful in the case of short-term overpopulation
- Reduces stress and its other consequences
- Supports the intestinal flora
- Can support or replace mechanical water clarifiers such as UV and ozone in a natural way

### What are the advantages of TheraP?

TheraP contains only live, fully developed strains of bacteria which take effect immediately after dosing. It helps the creatures in every aquarium to build up an improved immune system and thus become stronger against diseases and negative influences.

### When do I need TheraP?

It is used immediately after the first stocking with animals and then regularly for maintenance and in case of problems.

### How do I dose TheraP?

Dosage per 100 litres of water:

#### Initial dosage

Day 1	25 ml
Day 8, 15, 22, 29	15 ml

#### Maintenance dosage

Every 2 weeks	7.5 ml
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#### Dosage in problem cases

Day 1	40 ml
Day 8, 15, 22, 29	25 ml

Item #	Content	Range
THERAPH04	118 ml (4 fl. oz.)	approx. 1,500 litres
THERAPH08	236 ml (8 fl. oz.)	approx. 3,300 litres
THERAPH16	473 ml (16 fl. oz.)	approx. 6,300 litres
THERAPHG1	3.785 l (1 gal.)	approx. 50,400 litres

## TIPS & TRICKS

- Note that bacteria need a certain amount of phosphate as an energy source to carry out important biological processes in the aquarium.
- Ozone and UV light can kill bacteria; please switch it off during the application for 12-24 hours.
- Keep your skimmer on all the time to ensure adequate oxygenation, as bacteria also use oxygen.
- Can be stored unopened or opened at normal room temperature.
- Saltwater inhibits the growth of bacteria; for faster results, add an additional 25-50 %.
- TheraP combined with Special Blend is the ideal biological overall solution for caring for your aquarium and its inhabitants.





## WHY DOES THERA P SMELL?

One of the ingredients in **TheraP** is **purple sulphur bacteria** – an active agent ensuring that dangerous hydrogen sulphide (which forms in the substrate) is broken down in the aquarium.

This is why TheraP has its **unmistakable sulphur-like odour** – although any **smell disappears completely after dosing** in the water.

**Important:** If the smell changes to one reminiscent of burnt rubber, **TheraP** should no longer be used.

## ECOSYSTEM IN THE BOTTLE

Thanks to its unique composition, **TheraP** forms its **own biological ecosystem in the bottle** – which is why it **must only be kept in the original bottle** and **not decanted**.

The **suspended matter** contained in the bottle as well as the **particles adhering** to the bottle wall are **completely natural** and **harmless (biofilm)**. They can be safely **dosed into the aquarium**.

There may also be **variations** in the **colour, smell** and **appearance** of the bottles – but this doesn't affect the **high quality standard**.

## DID YOU KNOW..?

**TheraP** contains, among other things, **probiotic bacterial cultures**, which support the intestinal flora of the animals and ensure improved nutrient absorption. This leads to increased well-being and improved health in the long term.





Item #	Content
GFCI04	118 ml (4 fl. oz.)
GFCI08	236 ml (8 fl. oz.)
GFCI16	473 ml (16 fl. oz.)

## 4

## GEL FILTER FILTER STARTER

### What is Gel Filter?

Gel Filter is an innovative bacterial product made from purely biological ingredients in gel form. Its task is to ensure that filters & filter media achieve immediate and effective biological activity in any marine and freshwater aquarium.

### What can Gel Filter do?

Thanks to its gel form, it enables effective application of a bacterial film – an essential factor for the settlement of the beneficial bacteria contained in the product and aquarium in the filter/filter media.

### What are the advantages of Gel Filter?

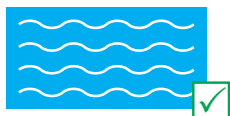
Gel Filter ensures that filters/filter media immediately become active biologically when used for the first time or after cleaning – while significantly enhancing their biological filter performance. This leads to much longer cleaning intervals, as organic fouling is better broken down.

### When do I need Gel Filter?

It is used right at the start and each time after filters/filter media are cleaned.

### How do I dose Gel Filter?

Evenly dab it onto the filter medium in lines or dots. The dosage depends on the type and size of the filter medium.



**Important:** Do not apply over the entire surface!

## TIPS & TRICKS

- For porous filter media such as ceramic rings, we recommend an application time of 15-30 minutes. To do this, add a sufficient amount of Gel Filter to the filter media and mix them together.
- Always clean your filter media in a bucket containing aquarium water to preserve the beneficial bacteria and never in hot water!
- Our gel filter is also suitable for activating rock and reef ceramics (brush finely).
- HMF filters, which usually take a few weeks to break in, are immediately biologically active when using the gel filter (in combination with Special Blend and Nite-Out II).







5

## SUBSTRATE CLEANER

### LIQUID GRAVEL CLEANER

#### What is Substrate Cleaner?

Substrate Cleaner is a specially formulated bacterial blend of purely biological ingredients that provides for the biological breakdown of detritus and waste in substrate and rock in any marine or freshwater aquarium.

#### What can Substrate Cleaner do?

It cleans the substrate and rock by effectively removing organic debris and harmful gaseous compounds.

What's more, Substrate Cleaner can break down otherwise inaccessible phosphate deposits present in the substrate or rock and – together with Phos-Out 4 and Special Blend – permanently remove them from the aquarium (see instructions p. 80).

#### What are the advantages of Substrate Cleaner?

Substrate Cleaner significantly reduces the cleaning you need to do in the aquarium and typically prevents “gamma spots”, as the bacteria can also reach hard-to-reach places (e.g. under installed structures).

#### When do I need Substrate Cleaner?

Substrate Cleaner can be used from the start of an aquarium and for permanent maintenance.

#### How do I dose Substrate Cleaner?

Add 20 ml per 100 litres of water every 2 weeks until the substrate is clean and then switch to the **maintenance dosage**: 20 ml per 100 liters of water once a month.

Item #	Content	Range
GSC04	118 ml (4 fl. oz.)	approx. 550 litres
GSC08	236 ml (8 fl. oz.)	approx. 1,100 litres
GSC16	473 ml (16 fl. oz.)	approx. 2,200 litres
GSCG1	3.785 l (1 gal.)	approx. 17,600 litres

## TIPS & TRICKS

### CLOUDY WATER?

**Substrate Cleaner** contains **naturally imitated mangrove mud** and the bacterial cultures found in it. Depending on the degree of contamination of the aquarium, the water becomes **brownish** and **cloudy to varying degrees**.

This is **completely harmless** and usually **disappears after 24-72 hours**. The time of turbidity also decreases with regular use.

- Do not dose carbon sources such as  $\text{NO}_3\text{PO}_4$  Control while using Substrate Cleaner.
- Note that bacteria need a certain amount of phosphate as an energy source to carry out important biological processes in the aquarium.
- Ozone and UV light can kill bacteria; please switch it off during the application for 12-24 hours.
- Keep your skimmer on all the time to ensure adequate oxygenation, as bacteria also use oxygen.
- Remove phosphate absorber granules from the water cycle during the turbidity phase. Meanwhile, keep them in a bag, for example, which you seal airtight.
- To reduce cloudiness, you can halve the dosage and do it weekly or every 14 days.





Item #	Content	Range
BAB04	118 ml (4 fl. oz.)	approx. 1,100 litres
BAB08	236 ml (8 fl. oz.)	approx. 2,200 litres
BAB16	473 ml (16 fl. oz.)	approx. 4,400 litres
BABG1	3.785 l (1 gal.)	approx. 32,200 litres

## 6

## AQUA BALANCE

### NITRATE REMOVER

#### What is Aqua Balance?

Aqua Balance is a specially developed spore-based bacteria mixture that accelerates and perfects nitrate degradation in any marine or freshwater aquarium.

#### What can Aqua Balance do?

It ensures that organic contamination as well as food and plant residues are effectively broken down, while improving denitrification ( $\text{NO}_3$  nitrate  $\rightarrow$   $\text{N}_2$  nitrogen) in the aquarium.

#### What are the advantages of Aqua Balance?

Aqua Balance sustainably improves the water quality and reduces the maintenance effort.

#### When do I need Aqua Balance?

It is used in an established aquarium to optimise nitrate degradation / long-term maintenance. Its spore form makes it unsuitable for starting an aquarium.

#### How do I dose Aqua Balance?

**Initial dosage:** Add 5 ml per 100 litres of water weekly for 4 weeks.

**Maintenance dosage:** Add 5 ml per 100 litres of water weekly for 4 weeks.

## TIPS & TRICKS

- Note that bacteria need a certain amount of phosphate as an energy source to carry out important biological processes in the aquarium.
- Ensure that there are plenty of anaerobic (low-oxygen) zones in the aquarium, because that's where bacteria convert nitrates into nitrogen.
- Use Aqua Balance after cleaning and changing the filter material and after using medication.
- To break down nitrates and other pollutants even faster, use Aqua Balance in combination with Special Blend.
- If you don't like the smell of Special Blend, you can alternatively use Aqua Balance for long-term care. Please note that no photosynthetic bacteria are included (e.g. no breakdown of hydrogen sulphide).





Saltwater  
aquariumFreshwater  
aquarium

1

## AQUA-PURE

### LIQUID FILTER MEDIUM

#### What is Aqua-Pure?

Aqua-Pure is a specially formulated blend of beneficial bacterial cultures and 100% natural adsorbent media – these biological agents providing clean water and improved water quality in any marine or freshwater aquarium.

#### What can Aqua-Pure do?

It removes nitrates over the long term, breaks down organic waste, neutralises heavy metals, prevents algae problems, enables crystal clear water and protects your aquarium inhabitants.

#### What are the advantages of Aqua-Pure?

Aqua-Pure sustainably enhances the biology of your aquarium by visibly and measurably improving its water quality.

#### When do I need Aqua-Pure?

It is used from the start of the aquarium or in problem cases. It can be dosed in addition to the common bacteria products Special Blend, TheraP and Nite-Out II.

#### How do I dose Aqua-Pure?

**Care dosage:** Add 20 ml per 100 litres of water once a week.

**Dosage in case of problems:** Add 10 ml per 100 litres of water once a day for 1 week.

Item #	Content	Range
AQUA04	118 ml (4 fl. oz.)	approx. 1,125 litres
AQUA08	236 ml (8 fl. oz.)	approx. 2,250 litres
AQUA16	473 ml (16 fl. oz.)	approx. 4,500 litres
AQUAG1	3.785 l (1 gal.)	approx. 36,000 litres

## FROM CLOUDY TO CRYSTAL CLEAR

Aqua-Pure **causes slight cloudiness** in the water after adding – **on account of the adsorption media** it contains (such as **zeolite powder**). This is **completely normal** and **disappears completely after a few hours**. The result is **crystal clear water**.

## TIPS & TRICKS

- For problems such as nitrate, algae or generally bad water quality, Aqua-Pure can be used on a daily basis.
- Use Aqua-Pure after a filter change, treatment with a medicinal product or a change of water.
- Use Aqua-Pure along with our MICROBE-LIFT care series for a healthy, stable aquarium.

### DID YOU KNOW..?

The bacteria in **Aqua-Pure** use the contained **adsorption media** as a **settlement area** and can thus spread even better in the aquarium.





Item #	Content	Range
XTA04	118 ml (4 fl. oz.)	approx. 1,100 litres
XTA08	236 ml (8 fl. oz.)	approx. 2,200 litres
XTA16	473 ml (16 fl. oz.)	approx. 4,400 litres
XTAG1	3.785 l (1 gal.)	approx. 32,200 litres

## 2

## XTREME WATER CONDITIONER

### What is XTreme?

XTreme is a specially formulated water conditioner for ideal use in any marine or freshwater aquarium.

### What can XTreme do?

It makes tap water safe & suitable for fish and prevents dangerous increases in ammonium/ammonia and nitrite, removes chlorine/chloramines as well as heavy metals. It also protects the mucous membrane and gills of your fish.

### What are the advantages of XTreme?

XTreme, together with Nite-Out II and Special Blend, enables safe and fast stocking of fish in new aquariums.

### When do I need XTreme?

It is used at the start of an aquarium and after every water change as well as a quick help in case of problems (e.g. an increase in ammonium/ammonia and nitrite due to organic matter).

### How do I dose XTreme?

Add 10 ml per 100 litres of water.

## WATER TREATMENT 2.0

Unlike conventional water conditioners, which only remove chlorine/chloramines and heavy metals, **XTreme** also **neutralises** or **removes ammonium/ammonia** and **nitrite**.







Item #	Content	Range
PR04	118 ml (4 fl. oz.)	approx. 3,500 litres
PR08	236 ml (8 fl. oz.)	approx. 7,000 litres
PR16	473 ml (16 fl. oz.)	approx. 14,000 litres
PRG1	3.785 l (1 gal.)	approx. 112,000 litres

## 1 PHOS-OUT 4 PHOSPHATE REMOVER

### What is Phos-Out 4?

Phos-Out 4 is a specially developed polymer-based phosphate remover for ideal use in any marine or freshwater aquarium.

### What can Phos-Out 4 do?

It quickly and permanently binds organic as well as inorganic phosphates in the aquarium.

### What are the advantages of Phos-Out 4?

Phos-Out 4 allows a controlled reduction of phosphate levels without affecting the biology or health of the animals.

### When do I need Phos-Out 4?

It is used to quickly lower even high phosphate levels.

### How do I dose Phos-Out 4?

**Dosage (freshwater aquarium):** Add max. 4 ml per 100 litres of water every 12-24 h, til the desired PO4 value is reached.

**Dosage (saltwater aquarium):** Add max. 2 ml per 100 litres of water every 12-24 h, til the desired PO4 value is reached.

**Important:** Calculate the dosage based on the amount of water actually contained in the aquarium (without e.g. structures).

## PHOSPHATE DEPOSITS?

Use **Phos-Out 4** together with **Substrate Cleaner** to break down otherwise inaccessible phosphate deposits and permanently remove them from the aquarium (see instructions p. 80).

## INSTRUCTIONS FOR USE

- Always dose Phos-Out 4 in a high-current zone in the aquarium or directly into the technical tank (e.g. near the skimmer), but never directly over your fish.
- Observe the specified dosage and do not increase it under any circumstances.
- Make sure that there is no PO4 undersupply.
- Phos-Out 4 flocculates when reacting with phosphate. This is completely normal and varies in intensity depending on the phosphate content present. However, in the event of an overdose and/or possible dosing directly above the animals, the flocculation could lead to the gills of fish with very narrow gill gaps (e.g. surgeonfish) sticking together.
- If the dosage instructions are followed, it is safe for animals to use.



2

**CARBOPURE**

PREMIUM ACTIVATED CARBON

**Carbopure** is a steam-activated, pelletised and acid-washed premium activated carbon for crystal-clear water in every saltwater and freshwater aquarium. Thanks to its complex adsorption surface of 1,000 m<sup>2</sup>/g, **Carbopure** enables the rapid elimination of organic contaminants, unwanted chemical compounds, toxins, drug residues as well as dyes and turbidities. **Carbopure** stands out because of an extremely low phosphate release, of max. 0.000001 g/ml and a soluble ash content of max. 0.3 %.

Item #	Content
CARAMD	243 g
CARALG	486 g
CARA5	5 l (2.9 kg)
CARA20	20 l (11.5 kg)

3

**PHOS-OUT 4**

PHOSPHATE REMOVER

**Phos-Out 4** removes phosphate, silicate, heavy metals (e.g. copper) and tannic substances quickly, safely and permanently from the water and produces a sustainable improvement in water quality. **Phos-Out 4** specifically reduces phosphate levels in a way that is harmless for your animals and without affecting the pH value. **Phos-Out 4** promotes natural coral growth in the case of phosphate problems and effectively prevents the unwanted growth of algae, within a short time.

Item #	Content
PO4MD	312 g
PO4LG	625 g
PO45	5 l (2.7 kg)
PO420	20 l (10.5 kg)

4

**SILI-OUT 2**

SILICATE REMOVER

**Sili-Out 2** removes silicate, phosphate, barium, arsenic, chromium, as well as dyes and turbidities from water quickly, reliably and permanently and improves the water quality for the long term. **Sili-Out 2** specifically reduces the above-mentioned pollutants in a way that is harmless for your animals and without affecting the pH value. **Sili-Out 2** improves the natural growth of corals and plants in polluted areas within a very short time. The growth of undesirable diatoms is sustainably prevented.

Item #	Content
SIO2MD	360 g
SIO2LG	720 g
SIO25	5 l (3.5 kg)
SIO220	20 l (13.7 kg)

**Tip:** Use **Phos-Out 4** and **Sili-Out 2** **alternately**, as Phos-Out 4 absorbs aluminium, while Sili-Out 2 absorbs iron – among other effects.

In this way, **neither of the two** substances can **accumulate** in the aquarium over a longer period of time. Simultaneous use can influence the relevant effect.

Our **filter media/absorbers** each contain a reusable **filter bag with a zipper**.

**2** **MICROBE-LIFT CARBOPURE**

- Organic impurities
- Chemical compounds
- Toxins
- Drug residues
- Dyes and turbidities

**3** **MICROBE-LIFT PHOS-OUT 4**

- Phosphate
- Silicate
- Heavy metals (e.g. copper)
- Coloured dissolved organic matter

**4** **MICROBE-LIFT SILI-OUT 2**

- Silicate
- Phosphate
- Barium
- Arsenic
- Chromium
- Coloured dissolved organic matter



## WHY DO I NEED ZEOLITE?

**Zeopure** adsorbs **ammonium / ammonia**, before it is converted into **nitrite** and nitrate in the **nitrification chain**.

As a result, the **nitrate content** can be **reduced** in a **safe** and **biological** manner. Existing **pollutants** (e. g. phosphates) will be **effectively reduced** and **removed** via abrasion in the skimmer or filter floss.

Our **filter media/absorbers** each contain a reusable **filter bag with a zipper**.

Highest quality and effectiveness thanks to approx. 90% clinoptilolite content

5

6

7



5-9 mm



1.5-3 mm



Powder



### 5 ZEOPURE ZEOLITE COARSE 5 – 9 MM

**Zeopure** is a premium zeolite with a clinoptilolite content of approx. 90 % for the effective removal of pollutants and the sustainable prevention of unwanted growth of algae in every saltwater and freshwater aquarium. **Zeopure** is the ideal settlement area for beneficial bacteria and thus contributes to a sustainable biological balance in the aquarium.

Item #	Content
ZEOAMD	425 g
ZEOALG	850 g
ZEOA5	5 l (3.5 kg)
ZEOA20	20 l (14.0 kg)

### 6 ZEOPURE ZEOLITE FINE 1,5 – 3 MM

**Zeopure** is a premium zeolite with a clinoptilolite content of approx. 90 % for the effective removal of pollutants and the sustainable prevention of unwanted growth of algae in every saltwater and freshwater aquarium. **Zeopure** is the ideal settlement area for beneficial bacteria and thus contributes to a sustainable biological balance in the aquarium.

Item #	Content
ZEOSMD	375 g
ZEOSLG	750 g
ZEOS5	5 l (3.5 kg)
ZEOS20	20 l (14.0 kg)

### 7 ZEOPURE POWDER ZEOLITE POWDER

**Zeopure Powder** is a premium 50 micron grade zeolite with a clinoptilolite content of approx. 90 % for the effective removal of pollutants or in case of other issues in every saltwater and freshwater aquarium. **Zeopure Powder** is ideal for problematic cases, e. g. with cyanobacteria (blue-green algae).

Item #	Content
ZEOPSM	125 g
ZEOPMD	250 g
ZEOP5	5 l (2.9 kg)
ZEOP20	20 l (11.5 kg)



Item #	Content	Range
NOPO04	118 ml (4 fl. oz.)	approx. 5,900 litres
NOPO16	473 ml (16 fl. oz.)	approx. 23,500 litres

1

## NO<sub>3</sub>PO<sub>4</sub> CONTROL

### NITRATE & PHOSPHATE CONTROL

#### What is NO<sub>3</sub>PO<sub>4</sub> Control?

NO<sub>3</sub>PO<sub>4</sub> Control is a specially formulated solution of selected hydrocarbons for ideal use in any marine or freshwater aquarium.

#### What can NO<sub>3</sub>PO<sub>4</sub> Control do?

It maximises the efficiency of the bacteria present in the aquarium, thereby ensuring increased degradation of nitrate (NO<sub>3</sub>) and phosphate (PO<sub>4</sub>).

#### What are the advantages of NO<sub>3</sub>PO<sub>4</sub> Control?

NO<sub>3</sub>PO<sub>4</sub> Control enables the effective and fast degradation of even high nitrate and phosphate levels.

#### How do I dose NO<sub>3</sub>PO<sub>4</sub> Control?

Start with a daily dose of 2 ml per 100 litres of water and increase this to a maximum of 10 ml per 100 litres of water if needed, until a reduction in the nutrient levels can be measured. Maintain the selected dosage until reaching the desired nutrition levels and then adjust this if need be so as to keep the levels stable.

## NO PHOSPHATE – NO NITRATE DEGRADATION

Note that **bacteria** necessarily need a certain amount of **phosphate as an energy source** in order to carry out **important biological processes** (such as **denitrification** NO<sub>3</sub> nitrate → N<sub>2</sub> nitrogen) in the aquarium.

Since **NO<sub>3</sub>PO<sub>4</sub> Control** increases the **growth** and **performance of the bacteria** in the aquarium, the phosphate requirement naturally increases too. Therefore, **measure** the phosphate value **regularly** (at least once a day) and add **Basic P** if necessary.

## WHY DO BACTERIA SOMETIMES NEED A BOOSTER?

**Imagine the following:** You're a nitrate-degrading bacterium and find yourself in an aquarium. There's a **huge mountain of nitrate**. While you're trying to break it down, **new nitrate is constantly being added** – as is usual in any aquarium. As a result – even if you work with **maximum efficiency** – you'll **never be able to break down the entire mountain of nitrate**.

This is exactly the problem faced by the bacteria present in your aquarium! **NO<sub>3</sub>PO<sub>4</sub> Control** acts like an **energy drink for your bacteria** and ensures **significantly enhanced performance** and **reproduction** during use.

**This means that even the additional workload is no problem and is quickly broken down!**

## PERFECT COMBINATION

We recommend using **NO<sub>3</sub>PO<sub>4</sub> Control** together with **Special Blend** to ensure the maximum number of beneficial bacteria cultures and to optimise nitrate degradation.







Item #	Content
CABSM	250 g
CABMD	500 g
CABLG	1000 g
CAB20	20 l (20.0 kg)

2

## KH-BOOSTER

### KH INCREASE

**KH-Booster** is a product, especially developed to increase the carbonate hardness in every saltwater and freshwater aquarium.

**KH-Booster** lastingly promotes nitrification and healthy coral growth, with a special mix of various elements, to quickly and safely increase the carbonate hardness.

Use **KH-Booster** in combination with our pH care products, to adjust your water values.

#### Dosage:

1×



level measuring spoon



2,5 dH° German hardness level

## DID YOU KNOW..?

The optimum **KH value** in **saltwater** is **6–10 dH°**.

In **freshwater**, the **optimum KH value** is **depending on the stock**.

## TIPS & TRICKS

- During the nitrification process, bacteria can break down the dangerous ammonium/ammonia only if the carbonate hardness is sufficiently high; it should have a value of at least 3 dH° in freshwater and 6 dH° in saltwater.
- Sufficiently high carbonate hardness permanently stabilises the pH value.
- Check your water values regularly.



### The skimmer is boiling over?

Often the use of **Artemiss** or **Herbtana** in marine aquariums causes **skimmers to "boil over"**. This is completely **normal** and **harmless**.

The skimmer should **definitely continue to run** because of the oxygen supply (possibly without a foam pot). After use, it regulates itself again within a short time.



## 1 ARTEMISS

FISH CARE

**Artemiss** is a herb-based care product to support the immune system of fish in any saltwater or freshwater aquarium.

**Artemiss** supports the fish in forming a stronger immune system and thus becoming stronger against negative influences. It has no negative impact on the biological balance in the aquarium.

Item #	Content	Range
ART04	118 ml (4 fl. oz.)	approx. 2,250 litres
ART08	236 ml (8 fl. oz.)	approx. 4,500 litres
ART16	473 ml (16 fl. oz.)	approx. 9,000 litres
ARTG1	3.785 l (1 gal.)	approx. 72,000 litres



Bacterial

## 2 HERBTANA

FISH CARE

**Herbtana** is a herb-based care product to support the immune system of fish in any saltwater or freshwater aquarium.

**Herbtana** supports the fish in forming a stronger immune system and thus becoming stronger against negative influences. It has no negative impact on the biological balance in the aquarium.

Item #	Content	Range
HERB04	118 ml (4 fl. oz.)	approx. 2,250 litres
HERB08	236 ml (8 fl. oz.)	approx. 4,500 litres
HERB16	473 ml (16 fl. oz.)	approx. 9,000 litres
HERBG1	3.785 l (1 gal.)	approx. 72,000 litres



Parasitic

## TIPS & TRICKS

- When adding new fish, use Artemiss and Herbtana once every 12 hours for 1–2 days until the fish are stable when swimming.
- Artemiss and Herbtana are ideal for use together with TheraP.
- Switch off ozone devices during use.
- Make sure you have an adequate supply of oxygen.
- Remove carbon and/or zeolite from your filter.
- Biological filters can remain in operation.
- Breaks down naturally after use, no water changes or use of activated charcoal required.
- Do not use Herbtana and Artemiss in combination with medications containing copper.







**ARKA**<sup>®</sup>

**MICROBE-LIFT**<sup>®</sup>



PRODUCTS  
**FRESHWATER**

The optimal supply for your freshwater aquarium



1

## ALGAWAY

### ALGAE REMOVER

**Algaway** is a specially developed algae remover for use in any freshwater aquarium.

**Algaway** stops the growth of existing algae through nutrient deprivation, represses them and sustainably prevents their regeneration.

**Algaway** also promotes strong and healthy plant growth. This contributes to the natural suppression of algae.

Algicidal active substance,  
BAuA reg. No. N-105619

Biocidal active substance: Salicylic acid 0.01 g/L

Item #	Content	Range
ALG04	118 ml (4 fl. oz.)	approx. 335 litres
ALG16	473 ml (16 fl. oz.)	approx. 1.350 litres

BEFORE

AFTER

THE effective  
algae remover

1

2

2

## VITAMINS

### VITAMINS & AMINOS

**Vitamins** is a specially developed vitamin and amino acid supplement for all freshwater aquariums.

**Vitamins** improves the absorption of trace elements and boosts natural colours of all aquarium inhabitants.

**Vitamins** ensures the optimal supply of all essential vitamins & amino acids and ensures the highest level of well-being and vitality for all aquarium inhabitants.

Item #	Content	Range
VAAF04	118 ml (4 fl. oz.)	approx. 2.300 litres
VAAF08	236 ml (8 fl. oz.)	approx. 4.600 litres
VAAF16	473 ml (16 fl. oz.)	approx. 9.200 litres





## LIQUID CO<sub>2</sub>?!

After dosing, the bacteria contained in **Bio-CO<sub>2</sub>** produce **usable CO<sub>2</sub> for plants** thanks to a biological process from the **humic acid** also contained.

**Please note:** The CO<sub>2</sub> that can be utilised by the bacteria for the plants cannot be measured by via continuous CO<sub>2</sub> tests.

Ideal as a **basis**  
for our **Microbe-Lift**  
fertilizer series



100%  
BIOLOGICAL

1

### BIO CO<sub>2</sub> LIQUID CO<sub>2</sub>-FERTILISER

**Bio-CO<sub>2</sub>** is a specially developed microbial source of carbon to enhance the health and growth of the plants in your freshwater aquarium. **Bio-CO<sub>2</sub>** uses friendly bacteria and natural humic acid to aid the absorption and utilisation of all essential nutrients such as plant fertiliser. **Bio-CO<sub>2</sub>** promotes healthy plant growth and intensifies the vibrancy of colours by enhancing the uptake of nutrients. At the same time it prevents the unwanted growth of algae.

Item #	Content	Range
BNGBC04	118 ml (4 fl. oz.)	approx. 5,750 litres
BNGBC08	236 ml (8 fl. oz.)	approx. 11,500 litres
BNGBC16	473 ml (16 fl. oz.)	approx. 23,000 litres
BNGBCG1	3.785 l (1 gal.)	approx. 184,000 litres

2

### PLANTS GREEN PLANT FERTILISER

**Plants Green** is a specially developed complete plant fertiliser for all aquatic plants. **Plants Green** ensures of the unique ingredients magnificent, healthy and strong plants and outstanding root growth. **Plants Green** is free of nitrate and phosphate. This effectively prevents the unwanted growth of algae.

Item #	Content	Range
BNGA04	118 ml (4 fl. oz.)	approx. 2,250 litres
BNGA08	236 ml (8 fl. oz.)	approx. 4,500 litres
BNGA16	473 ml (16 fl. oz.)	approx. 9,000 litres
BNGAG1	3.785 l (1 gal.)	approx. 72,000 litres



Free from nitrate  
& phosphate

3

### PLANTS NPK COMPLETE FERTILISER

**Plants NPK** is a specially developed complete plant fertiliser for all aquatic plants. **Plants NPK** ensures of the unique ingredients magnificent, healthy and strong plants and outstanding root growth. **Plants NPK** effectively prevents nitrogen, phosphorus and potassium deficiencies in your aquatic plants.

Item #	Content
BNGNPK04	118 ml (4 fl. oz.)
BNGNPK08	236 ml (8 fl. oz.)
BNGNPK16	473 ml (16 fl. oz.)



4

**PLANTS Fe**

IRON FERTILISER

**Plants Fe** is a specially developed iron fertiliser for all aquatic plants in freshwater aquariums.

**Plants Fe** supports magnificent plant growth and lastingly prevents your aquatic plants from suffering from iron deficiency.

**Plants Fe** is free of nitrate, phosphate and prevents unwanted growth of algae.

Item #	Content
BNGIR04	118 ml (4 fl. oz.)
BNGIR08	236 ml (8 fl. oz.)
BNGIR16	473 ml (16 fl. oz.)
BNGIRG1	3.785 l (1 gal.)

5

**PLANTS N**

NITROGEN FERTILISER

**Plants N** is a specially developed nitrogen fertiliser for all aquatic plants in freshwater aquariums.

**Plants N** supports magnificent plant growth and lastingly prevents your aquatic plants from suffering from nitrogen deficiency.

**Plants N** is free of phosphate.

Item #	Content
BNGNIT04	118 ml (4 fl. oz.)
BNGNIT08	236 ml (8 fl. oz.)
BNGNIT16	473 ml (16 fl. oz.)

6

**PLANTS P**

PHOSPHOR FERTILISER

**Plants P** is a specially developed phosphate fertiliser for all aquatic plants in freshwater aquariums.

**Plants P** promotes magnificent plant growth and lastingly prevents your aquatic plants from suffering from phosphate deficiency.

**Plants P** is free of nitrate.

Item #	Content
BNGPH04	118 ml (4 fl. oz.)
BNGPH08	236 ml (8 fl. oz.)
BNGPH16	473 ml (16 fl. oz.)

7

**PLANTS K**

POTASSIUM FERTILISER

**Plants K** is a specially developed potassium fertiliser for all aquatic plants in freshwater aquariums.

**Plants K** promotes lush plant growth and lastingly prevents your aquatic plants from suffering from potassium deficiency.

**Plants K** is free of nitrate and phosphate.

Item #	Content
BNGPO04	118 ml (4 fl. oz.)
BNGPO08	236 ml (8 fl. oz.)
BNGPO16	473 ml (16 fl. oz.)

Perfectly  
targeted single  
dosage for  
**magnificent  
plants**





1

## PH INCREASE

### PH INCREASE

**pH Increase** is a product especially developed to increase the pH value for all freshwater aquariums.

**pH Increase** quickly and safely increases the pH value to the desired value. The electrolytes additionally contained in the product prevent your animals from suffering osmotic shock and, at the same time, protect the mucous membranes and gills of your fish.

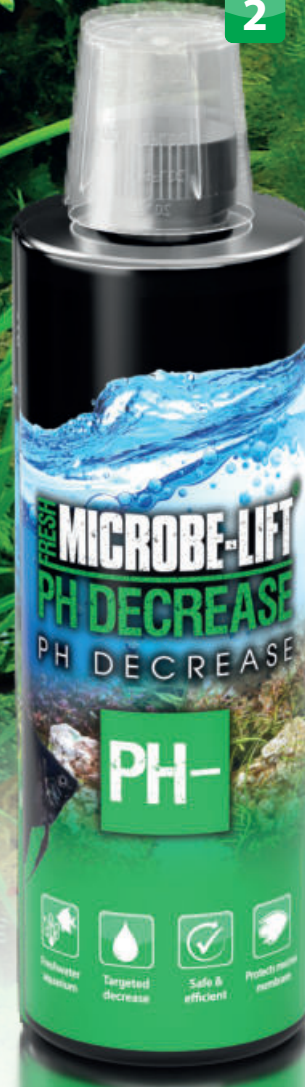
Item #	Content	Range
PHINF04	118 ml (4 fl. oz.)	approx. 2,300 litres
PHINF08	236 ml (8 fl. oz.)	approx. 4,600 litres
PHINF16	473 ml (16 fl. oz.)	approx. 9,200 litres
PHINFG1	3.785 l (1 gal.)	approx. 73,600 litres

UFI: SM00-Q0M5-J001-FERC

1



2



2

## PH DECREASE

### PH DECREASE

**pH Decrease** is a product especially developed to decrease the pH value for all freshwater aquariums.

**pH Decrease** quickly and safely decreases the pH value to the desired value. The electrolytes additionally contained in the product prevent your animals from suffering osmotic shock and, at the same time, protect the mucous membranes and gills of your fish.

Item #	Content	Range
PHDEF04	118 ml (4 fl. oz.)	approx. 2,300 litres
PHDEF08	236 ml (8 fl. oz.)	approx. 4,600 litres
PHDEF16	473 ml (16 fl. oz.)	approx. 9,200 litres
PHDEFG1	3.785 l (1 gal.)	approx. 73,600 litres

UFI: 7Q00-709J-U00H-4SAE





Up to  
**95%**  
hatch rate



1

## ARTEMIA

ARTEMIA READY-MIX

**Artemia** is a complete blend of salt and brine shrimp eggs for easy culturing of Artemia brine shrimps.

Artemia are a live feed that promotes sustained resplendent colouration, vitality and healthy development of fish in any salt-water or freshwater aquarium.

Artemia nauplii are also the ideal rearing food for juvenile fish and are perfect for feeding corals and invertebrates.

Including a practical dosing spoon.

Item #	Content
ARTEMIA	195 g

1

## EASY DOSING

- Put a few drops of Garlic to coat the feed.
- Allow Garlic to be absorbed into the feed for 2–3 minutes.
- Thaw frozen feed thoroughly under running cold water before coating it with Garlic.
- Regular use of Garlic contributes to the long-term improvement of the immune system.

2

## GARLIC

FEED ADDITIVE

**Garlic** is a highly concentrated feed additive for every saltwater and freshwater aquarium.

**Garlic** contains pure garlic, which is proven to have a positive effect on parasitic diseases of fish, supports the feed intake and increases vitality.

Item #	Content
GARLIC100	100 ml

2





3

**VITA FLAKES**

MAIN FOOD ORNAMENTAL FISH

**Vita Flakes** is a cold-pressed flake food that provides optimal nutrition for your freshwater fish. The very high-quality and specially balanced ingredients boost natural colours and ensure optimal growth; whilst keeping pollution to a minimum.

Item #	Content
VFS250	250 ml (30 g)
VFS500	500 ml (50 g)

4

**VITA GRAN**

MAIN FOOD ORNAMENTAL FISH

**Vita Gran** is a cold-pressed soft pellet food that provides optimal nutrition for your freshwater fish. The very high-quality and specially balanced ingredients boost natural colours and ensure optimal growth; whilst keeping pollution to a minimum.

Item #	Content
VGS250	250 ml (120 g)
VGS500	500 ml (300 g)

5

**SHRIMP GRAN**

MAIN FOOD ORNAMENTAL SHRIMP

**Shrimp Gran** is a cold-pressed soft pellet food that provides optimal nutrition for your freshwater shrimps. The very high-quality and specially balanced ingredients boost natural colours and ensure optimal growth; whilst keeping pollution to a minimum.

Item #	Content
SFS150	150 ml (50 g)

6

**VITA PLECO**

MAINFOOD CATFISH

**Vita Pleco** is a cold-pressed, fast sinking soft pellet food that provides optimal nutrition for your freshwater catfish. The very high-quality and specially balanced ingredients boost natural colours and ensure optimal growth; whilst keeping pollution to a minimum.

Item #	Content
VPS250	150 ml (120 g)

7

**BIO-GRAN**

GRANULATED FOOD ORNAMENTAL FISH

**Bio-Gran** is a food granulate made from selected biological raw materials, for the optimal and healthy nutrition of your freshwater fish. Due to the very high-quality and specially coordinated ingredients, the natural colouring and growth is optimised; whilst keeping pollution to a minimum.

Item #	Content
BVGS250	250 ml (115 g)
BVGS500	500 ml (230 g)
BVGS1000	1000 ml (460 g)

**WHY IS OUR FEED COLD PRESSED?**

The **gentle cold pressing process** ensures that both **nutrients** and **vitamins** are **optimally preserved** during production – as they are not attacked by high temperatures. The feed is also **better tolerated** thanks to the cold pressing and the special production process – as it does not swell in the fish's stomach (soft granules).

Our feed does **not contain spirulina** (cyanobacteria) and no **low-quality fish meal**.



## IT'S THAT SIMPLE!

Apply a small amount of **Plantscaper** to the appropriate part of the plant you wish to glue. Now **briefly immerse the glue spot under water** so that a skin forms on the glue.

Repeat this process until there is a sufficient amount of Plantscaper on the glue spot. Press the plant into the **desired position in your aquarium setup** and then break the **adhesive skin** with your fingers or the rock.

Now **press** the plant firmly in place **for a few moments**.

Also ideal for **gluing mosses**.



### 1 PLANTSCAPER SUPERGLUE

**Plantscaper Superglue** is best suited for simple and safe fixation of plants, such as mosses or decorative objects.

**Plantscaper Superglue** consists of cyanoacrylate and is 100% free of hazardous materials.

Item #	Content
PSCA50	50 g
PSCAL50	50 g

UFI: A300-P0FS-Q002-GD7Y

### 2 PLANTSCAPER GEL SUPERGLUE

**Plantscaper Gel** is best suited for simple and safe fixation of plants and decorative items in your freshwater aquarium. It also hardens quickly under water and is harmless to your plants.

**Plantscaper Gel** consists of cyanoacrylate and is 100% free of hazardous materials.

Item #	Content
PSCA10	2x 3 g

UFI: A300-P0FS-Q002-GD7Y

### 3 AQUA-FIX POLY GLUE

**Aqua-Fix Poly Glue** is ideally suitable as an underwater adhesive, for permanent fixation of stone, glass, wood, plastic, PVC, metal and much more. It also hardens quickly under water and can be safely used in every saltwater and freshwater aquarium.

Item #	Content
AF60	60 g
AF300	300 g



# 1 mySCAPE DRAGON ROCKS

- Natural **clay rock**
- Safe for use in every **freshwater aquarium & terrarium**
- Unique **play of colours**
- For **spectacular** looking aquascapes
- Ideal for **planting, can be used straight-away**
- Also ideal as a **hiding place** for shrimps
- **No influence** on the water values

Item #	Content	Size
MSRD1 *	1 kg	~ 10 – 30 cm
MSRD5	5 kg	~ 10 – 30 cm
MSRD10	10 kg	~ 10 – 30 cm

\* Our myScape rocks are also available loose per kilo in addition to the pre-packed 5 kg and 10 kg cartons.

Natural rock  
for **unique**  
aquascapes



## Tip:

For an optimal hold, use our Plant-scaper to glue the **myScape Rocks** and mix in some **cotton wool** or **sand** if necessary.



# 2 mySCAPE SEIRYU ROCKS

- Natural **rock**
- Safe for use in every **freshwater aquarium & terrarium**
- For **natural** looking aquascapes
- Ideal for **planting, can be used straight-away**
- Can **harden the water slightly**

Item #	Content	Size
MSRS1 *	1 kg	~ 10 – 30 cm
MSRS5	5 kg	~ 10 – 30 cm
MSRS10	10 kg	~ 10 – 30 cm

\* Our myScape rocks are also available loose per kilo in addition to the pre-packed 5 kg and 10 kg cartons.



## 4 mySCAPE® LAVA PEBBLES

- Natural **rock**, optimal and safe for use in every **freshwater aquarium & terrarium**
- Perfect for **spectacular** aquascapes (landscapes) & ideal for **river** and **flow tanks**
- **No effect** on water hardness & **can be used straightaway** (after washing off briefly)

Item #	Content	Size
MSPB1020MD	10 kg	~ 10 – 20 mm
MSPB2030MD	10 kg	~ 20 – 30 mm
MSPB5070MD	10 kg	~ 50 – 70 mm
MSPB5070LG	20 kg	~ 50 – 70 mm
MSPB7090MD	10 kg	~ 70 – 90 mm
MSPB7090LG	20 kg	~ 70 – 90 mm
MSPB90120MD	10 kg	~ 90 – 120 mm
MSPB90120LG	20 kg	~ 90 – 120 mm
MSPB150200MD	10 kg	~ 150 – 200 mm
MSPB150200LG	20 kg	~ 150 – 200 mm
MSPB200300MD	10 kg	~ 200 – 300 mm
MSPB200300LG	20 kg	~ 200 – 300 mm
MSPBMIXMD	10 kg	Mix
MSPBMIXLG	20 kg	Mix

## 4 mySCAPE® FRODO ROCKS

- Natural **rock**, optimal and safe for use in every **freshwater aquarium & terrarium**
- Perfect for **spectacular** aquascapes (landscapes) & ideal for **river** and **flow tanks**
- Can **harden** the water **slightly** (with regular water changes, even harmless for shrimps)
- **Can be used straightaway** (after washing off briefly)

Item #	Content	Size
MSRFMD	10 kg	~ 10 – 30 cm
MSRFLG	20 kg	~ 10 – 30 cm



Can be used  
straightaway  
after washing  
off briefly!



Natural  
rock for  
**spectacular**  
aquascapes



1

**mySCAPE®-CATAPPA LEAVES**

## TROPICAL ALMOND LEAVES

**ARKA® mySCAPE®-Catappa Leaves** promote the vitality and well-being as well as the spawning readiness of fish and shrimps in every freshwater aquarium. They serve as a valuable nutritional supplement and are a natural water conditioner for tropical-like aquarium water.

Item #	Content	Size
CATN	10 pcs.	~ 8 – 12 cm
CATSM	10 pcs.	~ 12,5 – 16 cm
CATMD	10 pcs.	~ 16,5 – 20 cm
CATLG	10 pcs.	~ 20,5 – 27 cm

2

**mySCAPE®-CASUARINA CONES**

## CASUARINA CONES

**ARKA® mySCAPE®-Casuarina Cones** are ideal for natural water treatment and as decoration in every freshwater aquarium. They contain important tannins and other substances for a natural tropical-like water. The water is only slightly coloured, slightly acidified and the pH value is slightly lowered. Thanks to their coarse structure, they serve as a speciesappropriate hiding place for shrimp offspring.

Item #	Content	Size
CAC50	50 pcs.	~ 1 – 3 cm

3

**mySCAPE®-DADAP LEAVES**

## SUPPLEMENTARY &amp; HOLIDAY FOOD

**ARKA® mySCAPE®-Dadap Leaves** are ideal as a natural food supplement and holiday food for shrimps, crabs, snails and plecos in every freshwater aquarium. They contain a large number of important proteins, vitamins, minerals, amino acids, plant enzymes and trace elements as well as dietary fibers that are important for the animals' digestion.

Item #	Content	Size
DADLG	10 pcs.	~ 7 – 13 cm







**ARKA**<sup>®</sup>

**MICROBE-LIFT**<sup>®</sup>



**PRODUCTS**  
**SALTWATER**

The optimal supply for your saltwater aquarium



1

**BASIC N**

## NITRATE SUPPLEMENT

**Basic N** is a stable and specially coordinated nitrate mixture, for a targeted increase in the  $\text{NO}_3$  value in every saltwater aquarium.

**Basic N** effectively prevents a dangerous nitrate limitation for corals while increasing their growth and health long-term.

Item #	Content
BN04	118 ml (4 fl. oz.)
BN16	473 ml (16 fl. oz.)

UFI: YH00-60WS-700J-T359

2

**BASIC P**

## PHOSPHATE SUPPLEMENT

**Basic P** is a stable and specially coordinated phosphate mixture, for a targeted increase in the  $\text{PO}_4$  value in every saltwater aquarium.

**Basic P** effectively prevents a dangerous phosphate limitation for corals while increasing their growth and health long-term.

Item #	Content
BP04	118 ml (4 fl. oz.)
BP16	473 ml (16 fl. oz.)

3

**BASIC K**

## POTASSIUM SUPPLEMENT

**Basic K** is a stable and specially coordinated potassium mixture for targeted increase of the potassium value in every saltwater aquarium.

**Basic K** promotes the optimal growth of your corals and lastingly prevents a potassium deficiency.

**Basic K** is free of nitrate and phosphate.

Item #	Content
BK04	118 ml (4 fl. oz.)
BK16	473 ml (16 fl. oz.)



## WHO IS ALL-IN-ONE FOR?

All-In-One is ideal for **smaller mixed aquariums** with a typical stock of large polyp stony (LPS) corals plus soft corals and a small amount of small polyp stony (SPS) corals. Together with **weekly water changes of 10% to 20%** with one of our **sea salts**, All-In-One contains all the **elements necessary for coral care**.

Should it become necessary to add individual elements due to consumption, we recommend switching to our **Basic system** or using our **individual liquid additives**.



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## ALL-IN-ONE TRACE ELEMENTS

**All-In-One** is a specially developed mix of trace elements that guarantees optimal growth and feed for corals.

All-In-One ensures a magnificent polyp display, more intense colours as well as improved vitality of your corals. The work required to care for a saltwater aquarium is reduced to a minimum.

All-In-One contains all essential trace elements, minerals, vitamins and amino acids in a perfectly coordinated ratio:

- Calcium
- Strontium & Molybdenum
- Iron/thiamine B-1
- Iodine/Bromide
- Over 35 different vitamins and amino acids
- Over 70 different micro- and macro-nutrients

Item #	Content	Range
ALL04	118 ml (4 fl. oz.)	approx. 2,300 litres
ALL08	236 ml (8 fl. oz.)	approx. 4,600 litres
ALL16	473 ml (16 fl. oz.)	approx. 9,200 litres
ALLG1	3.785 l (1 gal.)	approx. 73,600 litres

5

## COMPLETE KH & PH STABILISER

**Complete** is a specially developed carbonate and pH value stabiliser for all saltwater aquariums.

**Complete** supports calcium supply, stabilises the KH and pH value and permanently prevents ion shifting.

**Complete**, in combination with All-In-One, is the ideal overall solution for stabilisation and provides a basic supply of trace elements.

Item #	Content
COM04	118 ml (4 fl. oz.)
COM08	236 ml (8 fl. oz.)
COM16	473 ml (16 fl. oz.)
COMG1	3.785 l (1 gal.)



## 6

**VITAMINS**

## VITAMINS &amp; AMINOS

**Vitamins** is a specially developed vitamin and amino acid supplement for all species of coral in saltwater aquariums.

**Vitamins** improves the absorption of trace elements, boosts natural colours and enhances the polyp display of all corals.

**Vitamins** ensures the optimal supply of all essential vitamins & amino acids and ensures the highest level of well-being and vitality for all aquarium inhabitants.

Item #	Content	Range
VAAR04	118 ml (4 fl. oz.)	approx. 2,300 litres
VAAR08	236 ml (8 fl. oz.)	approx. 4,600 litres
VAAR16	473 ml (16 fl. oz.)	approx. 9,200 litres
VAARG1	3.785 l (1 gal.)	approx. 73,600 litres

## 7

**ELEMENTS**

## TRACE ELEMENTS

**Elements** is a special developed mineral & trace elements supplement for stony and soft coral in saltwater aquariums.

**Elements** increases healthy growth, creates magnificent polyps and strong colours of stony and soft corals and prevents a shortage of important elements sustainable.

**Elements** contains 70 important premium minerals and trace elements and stabilises the pH value.

Item #	Content	Range
EMTE04	118 ml (4 fl. oz.)	approx. 2,300 litres
EMTE08	236 ml (8 fl. oz.)	approx. 4,600 litres
EMTE16	473 ml (16 fl. oz.)	approx. 9,200 litres
EMTEG1	3.785 l (1 gal.)	approx. 73,600 litres



8

**CALCIUM**

## CALCIUM SUPPLEMENT

**Calcium** is a specially developed calcium supplement with pH stabiliser for all saltwater aquariums. **Calcium** prevents calcium deficiency, improves absorption due to the vitamin D3 it contains and improves the healthy growth of corals and invertebrates. **Calcium** contains more than 100 mg/L calcium in a highly bioavailable form.

Item #	Content
CC04	118 ml (4 fl. oz.)
CC08	236 ml (8 fl. oz.)
CC16	473 ml (16 fl. oz.)
CCG1	3.785 l (1 gal.)

9

**MAGNESIUM**

## MAGNESIUM SUPPLEMENT

**Magnesium** is a specially developed magnesium supplement with pH stabiliser for all saltwater aquariums. **Magnesium** prevents magnesium deficiency, improves the healthy growth of corals and provides sustained support in the development of calcareous skeletons. **Magnesium** stabilises the magnesium and pH value in your aquarium.

Item #	Content
MAG04	118 ml (4 fl. oz.)
MAG08	236 ml (8 fl. oz.)
MAG16	473 ml (16 fl. oz.)
MAGG1	3.785 l (1 gal.)

10

**STRONTIUM**

## STRONTIUM SUPPLEMENT

**Strontium** is a specially developed strontium supplement with pH stabiliser for all saltwater aquariums. **Strontium** prevents strontium deficiency, improves the healthy growth of the calcareous skeleton of corals and sustainably strengthens their tissue. **Strontium** contains strontium in a highly available form and it stabilises the pH value in your aquarium.

Item #	Content
SM04	118 ml (4 fl. oz.)
SM08	236 ml (8 fl. oz.)
SM16	473 ml (16 fl. oz.)
SMG1	3.785 l (1 gal.)

**DID YOU KNOW..?**

**Calcium, Magnesium, Iodide & Bromide** and **Strontium** contain both a **pH stabiliser** and special **vitamins** for even better absorption by corals.

**Iodide & Bromide** contains iodine as well as **bromide**, which ensures that the iodine is **better absorbed** and **utilised** by corals.





## 11 IODIDE & BROMIDE

### IODIDE AND BROMIDE SUPPLEMENT

**Iodide & Bromide** is a specially developed iodide and bromide supplement with pH stabiliser for all saltwater aquariums.

**Iodide & Bromide** prevents iodine deficiency, improves polyp development and the natural colours of corals, and it improves the vitality of all aquarium residents.

**Iodide & Bromide** contains iodine in a highly available form and it stabilizes the pH value in your aquarium.

Item #	Content
IODIDE04	118 ml (4 fl. oz.)
IODIDE08	236 ml (8 fl. oz.)
IODIDE16	473 ml (16 fl. oz.)
IODIDEG1	3.785 l (1 gal.)

## 12 CORALLINE

### CORALLINE +

**Coralline** is a specially developed growth accelerator for richly coloured red coralline algae in all saltwater aquariums.

Within a short period of time, **Coralline** ensures a strong growth of red coralline algae and thus effectively prevents the development of unwanted algae.

**Coralline** consists of a perfectly balanced mix of the purest aragonite, calcium, strontium, magnesium and iodine, which ensures the optimal growth of your red coralline algae.

Item #	Content	Range
CAA04	118 ml (4 fl. oz.)	approx. 5,500 litres
CAA08	236 ml (8 fl. oz.)	approx. 11,000 litres
CAA16	473 ml (16 fl. oz.)	approx. 22,000 litres
CAAG1	3.785 l (1 gal.)	approx. 176,000 litres

## 13 CORAL ACTIVE

### CORAL GROWTH

**Coral Active** increases the healthy growth of stony corals and bivalves and provides sustained support in the development of calcareous skeletons.

**Coral Active** contains all the elements necessary for growth, such as calcium, magnesium, iodine, the purest form of aragonite, etc., and thereby ensures optimal care conditions for invertebrates.

**Coral Active** produces intense colours in stony corals and bivalves and leads to the formation of magnificent polyps.

Item #	Content	Range
CA04	118 ml (4 fl. oz.)	approx. 11.250 litres
CA08	236 ml (8 fl. oz.)	approx. 22.500 litres
CA16	473 ml (16 fl. oz.)	approx. 45.000 litres
CAG1	3.785 l (1 gal.)	approx. 360.000 litres

## IN ADDITION TO THE CORAL SUPPLY?!

**Coral Active** can be used **in addition to the normal coral care system** – as the elements it contains are quickly utilised by the corals and do **not accumulate**.



## BASIC-SYSTEM

### CORAL SUPPLY

The MICROBE-LIFT BASIC System offers you a **simple** and **highly efficient** care method providing all the important elements such as calcium, magnesium, carbonate hardness, vitamins, amino acids and micro/macronutrients.

Thanks to the tailored dosing options, the BASIC System allows you to respond perfectly to the **individual needs of your corals** – and to achieve **maximum growth, colourfulness** and **health** with **minimum effort**.

Our BASIC System is already included for you in the well-known **Aqua-Calculator**. This helps you to determine the optimum dose levels for your aquarium. The AquaCalculator can be found at [www.aquacalculator.com](http://www.aquacalculator.com) or as an app.

### 1 BASIC 1 CALCIUM

**Basic 1 Calcium** is a specially developed calcium supplement based on high-purity calcium chloride dihydrate for all saltwater aquariums.

Basic 1 Calcium allows easy adjustment of the calcium content and thereby improves the healthy growth of corals and invertebrates.

Item #	Content
BCAMD	400 g
BCALG	850 g
BCAXL	2000 g

### 2 BASIC 1.1 STRONTIUM COMPLEX

**Basic 1.1 Strontium Complex** is a specially developed strontium additive which is perfectly coordinated for use with our Basic range and can be used in all saltwater aquariums.

**Basic 1.1 Strontium Complex** improves the healthy growth of corals and invertebrates.

Item #	Content	Sufficient for
BST04	120 ml	4 litres of concentrate

### 3 BASIC 1.2 ELEMENT COMPLEX

**Basic 1.2 Element Complex** is a specially developed element additive which is perfectly coordinated for use with our Basic range and can be used in all saltwater aquariums.

**Basic 1.2 Element Complex** provides an intense blaze of colour for all corals and invertebrates. The trace element content has been perfectly coordinated with the Basic system.

Item #	Content	Sufficient for
BEL04	120 ml	4 litres of concentrate

### 4 BASIC 2 MAGNESIUM

**Basic 2 Magnesium** is a specially developed magnesium supplement based on high-purity magnesium chloride hexahydrate for all saltwater aquariums.

**Basic 2 Magnesium** allows easy adjustment of the magnesium content and thereby improves the healthy growth of corals and invertebrates.

Item #	Content
BMGMD	500 g
BMGLG	1000 g
BMGXL	2000 g

### 5 BASIC 2.1 VITAMIN COMPLEX

**Basic 2.1 Vitamin Complex** is a specially developed vitamin additive which is perfectly coordinated for use with our Basic range and can be used in all saltwater aquariums.

**Basic 2.1 Vitamin Complex** the strengthens tissues and increases the vitality of corals and invertebrates. The vitamin and amino acid content has been perfectly coordinated with the Basic system.

Item #	Content	Sufficient for
BVI04	120 ml	4 litres of concentrate





6

## BASIC 3 CARBONATE

**Basic 3 Carbonate** is a specially developed additive to raise alkalinity based on high-purity sodium bicarbonate for all saltwater aquariums.

**Basic 3 Carbonate** allows easy adjustment of the alkalinity and thereby improves the healthy growth of corals and invertebrates.

Item #	Content
BKHMD	500 g
BKHLG	1000 g
BKHXL	2000 g

7

## BASIC 3.1 HALOGEN COMPLEX

**Basic 3.1 Halogen Complex** is a specially developed halogen additive which is perfectly coordinated for use with our Basic range and can be used in all saltwater aquariums.

**Basic 3.1 Halogen Complex** ensures optimum health and maximum resistance for all corals and invertebrates. The halogen content has been perfectly coordinated with the Basic system.

Item #	Content	Sufficient for
BHA04	120 ml	4 litres of concentrate



## THE QUALITY MAKES THE DIFFERENCE!

Our **BASIC products** are **ultra-pure**, free of **organic contamination** and manufactured according to the usual **high MICROBE-LIFT quality standards**.





## BASIC SET

### CORAL SUPPLY

Our practical BASIC sets contain all products necessary for the BASIC system as well as the required accessories so that you can start dosing quickly and safely.

You will find the corresponding instructions on page 76.



Item #	Product	Content
BSETMD	BASIC SET normal	1× Basic 1 (850 g) 1× Basic 2 (500 g) 1× Basic 3 (1000 g) 1× Basic 1.1 (120 ml) 1× Basic 1.2 (120 ml) 1× Basic 2.1 (120 ml) 1× Basic 3.1 (120 ml) 3× Canister (1 l) 3× Hard hose 33 cm 1× Silicon hose 4/6 mm (3 m) 1× Label for canister (CA, MG, KH) 1× Label for dosing computer (CA, MG, KH)

Item #	Product	Content
BSETLG	BASIC SET large	1× Basic 1 (2000 g) 1× Basic 2 (1000 g) 1× Basic 3 (2000 g) 1× Basic 1.1 (120 ml) 1× Basic 1.2 (120 ml) 1× Basic 2.1 (120 ml) 1× Basic 3.1 (120 ml) 3× Canister (5 l) 3× Hard hose 33 cm 1× Silicon hose 4/6 mm (3 m) 1× Label for canister (CA, MG, KH) 1× Label for dosing computer (CA, MG, KH)



## 1 ORGANIC ACTIVE SALT

### CORAL GROWTH

**Organic Active Salt** is a specially developed sea salt made from the highest quality ingredients. Thanks to the additional organic ingredients it contains, this enhances the growth, colourfulness and polyp appearance of corals and is therefore ideal for well-stocked running marine aquariums.

**Organic Active Salt** supports a healthy build-up of the calcareous skeleton and lets even the most sensitive species of corals and fish actively thrive.

Item #	Content	Range
SALTAXS	1 kg	approx. 28 litres
SALTAMD	10 kg	approx. 265 litres
SALTALG	20 kg	approx. 530 litres

## 2 PREMIUM REEF SALT

### OPTIMAL WATER QUALITY

**Premium Reef Salt** is a specially developed sea salt which – thanks to the highest quality ingredients – creates a perfectly balanced environment in which even the most sensitive coral and fish species thrive.

**Premium Reef Salt** prevents calcium precipitation and – in combination with magnesium and other trace elements – promotes rapid growth of calcareous red algae.

Item #	Content	Range
SALTRXS	1 kg	approx. 28 litres
SALTRMD	10 kg	approx. 265 litres
SALTRLG	20 kg	approx. 530 litres



**Dosage:** Dissolve the required amount of salt in tempered RO water and agitate until fully dissolved. After a very short time, the water is clear and can be used. The salt density should be between 1.022 and 1.025 at a temperature of 25° Celsius.

**We recommend a water change of 5-10 % every 1-2 weeks.**

## PREMIUM REEF SALT

37 g dissolved in 1000 ml deionized water at 25° Celsius results in (approx.):

- Salinity 1.022
- PH value 8.3 to 8.5
- KH approx. 8-10° dKH
- Calcium content: approx. 430 mg/L
- Magnesium content: approx. 1300 mg/L
- Strontium approx. 8.1 mg/L

## ORGANIC ACTIVE SALT

37 g dissolved in 1000 ml deionized water at 25° Celsius results in (approx.):

- Salinity 1.022
- PH value 8.3 to 8.5
- KH approx. 8-10° dKH
- Calcium content: approx. 450 mg/L
- Magnesium content: approx. 1380 mg/L
- Strontium approx. 8.1 mg/L

## TIPS:

During a new start, as well as during water changes, we recommend the application of **MICROBE-LIFT Nite-Out II** and **Special Blend**. For additional supply of trace elements use our individual **MICROBE-LIFT Reef series**. See page 72 for instructions on how to start a saltwater aquarium.

Up to  
**95%**  
hatch rate



1

## ARTEMIA

ARTEMIA READY-MIX

**Artemia** is a complete blend of salt and brine shrimp eggs for easy culturing of Artemia brine shrimps.

Artemia are a live feed that promotes sustained resplendent colouration, vitality and healthy development of fish in any salt-water or freshwater aquarium.

Artemia nauplii are also the ideal rearing food for juvenile fish and are perfect for feeding corals and invertebrates.

Including a practical dosing spoon.

Item #	Content
ARTEMIA	195 g

1

## EASY DOSING

- Put a few drops of Garlic to coat the feed.
- Allow Garlic to be absorbed into the feed for 2–3 minutes.
- Thaw frozen feed thoroughly under running cold water before coating it with Garlic.
- Regular use of Garlic contributes to the long-term improvement of the immune system.

2

## GARLIC

FEED ADDITIVE

**Garlic** is a highly concentrated feed additive for every saltwater and freshwater aquarium.

**Garlic** contains pure garlic, which is proven to have a positive effect on parasitic diseases of fish, supports the feed intake and increases vitality.

Item #	Content
GARLIC100	100 ml

2





## WHY IS OUR FEED COLD PRESSED?

The **gentle cold pressing process** ensures that both **nutrients** and **vitamins** are **optimally preserved** during production – as they are not attacked by high temperatures.

The feed is also **better tolerated** thanks to the cold pressing and the special production process – as it does not swell in the fish's stomach (soft granules).



## HIGHEST QUALITY

Our feed does **not contain spirulina** (cyanobacteria) and **low-quality fish meal**.

### 3 MARINE FLAKES MAIN FOOD ORNAMENTAL FISH

**Marine Flakes** is a cold-pressed flake food that provides optimal nutrition for your marine fish.

The very high-quality and specially balanced ingredients boost natural colours and ensure optimal growth, whilst keeping pollution to a minimum.

Item #	Content
MFS250	250 ml (30 g)
MFS500	500 ml (50 g)

### 4 MARINE GRAN MAIN FOOD ORNAMENTAL FISH

**Marine Gran** is a cold-pressed soft pellet food that provides optimal nutrition for your marine fish.

The very high-quality and specially balanced ingredients boost natural colours and ensure optimal growth, whilst keeping pollution to a minimum.

Item #	Content
MGS250	250 ml (120 g)
MGS500	500 ml (300 g)

### 5 SHRIMP & CRAB CRAB AND PRAWN FOOD

**Shrimp & Crab** is a cold-pressed, fast-sinking soft-feed granulate for optimal nutrition of your invertebrates such as crabs, prawns and snails.

The very high-quality and specially balanced ingredients ensure optimal growth, boost natural colouring and reduce excretions to a minimum.

Item #	Content
MSS150	150 ml (50 g)



## 1 CORAL FOOD SOFT

### SOFT CORAL FOOD

**Coral Food Soft** is a cold-pressed powdered food that provides optimal nutrition for your soft corals.

Item #	Content
CFW150	150 ml (50 g)

## 2 CORAL FOOD A

### ANEMONE FOOD

**Coral Food A** is a cold-pressed soft pellet food that provides optimal nutrition for your anemones.

Item #	Content
CFA150	150 ml (50 g)

## 3 CORAL FOOD SPS

### CORAL POWDER FOOD

**Coral Food SPS** is a cold-pressed powdered food that provides optimal nutrition for your small polyp corals.

Item #	Content
CFS150	150 ml (50 g)

## 4 CORAL FOOD LPS

### CORAL FOOD GRANULES

**Coral Food LPS** is a cold-pressed soft feed granulate that provides optimal nutrition for your large polyp corals.

Item #	Content
CFL150	150 ml (50 g)

## WHY IS OUR FEED COLD PRESSED?

The **gentle cold pressing process** ensures that both **nutrients** and **vitamins** are **optimally preserved** during production – as they are not attacked by high temperatures.

The feed is also **better tolerated** thanks to the cold pressing and the special production process – as it does not swell in the fish's stomach (soft granules).

## HIGHEST QUALITY

The very high-quality and specially balanced ingredients **boost natural colours** and **ensure optimal growth**, whilst keeping pollution to a minimum.

Our feed does **not contain spirulina** (cyanobacteria) and low-quality fish meal.





5

## ZOO-PLUS

### ZOOPLANKTON

**Zoo-Plus** is a specially developed zooplankton for all corals and invertebrates in saltwater aquariums.

**Zoo-Plus** promotes growth and natural colours with its high content of essential fatty acids, carbohydrates, amino acids, lipids, omega-3 fatty acids and natural organic pigments.

**Zoo-Plus** is rich in crucial fatty acids, carb, amino acids, lipids, Omega-3 fatty acids and natural bio pigments.

#### Composition:

Mysis, daphnia, copepods and artemia nauplii

Add 5 ml per 100 litres of water 1–2 times a week. In densely inhabited saltwater aquariums, daily dosages can be applied.

Item #	Content	Range
ZOO04	118 ml (4 fl. oz.)	approx. 2,300 litres
ZOO08	236 ml (8 fl. oz.)	approx. 4,600 litres
ZOO16	473 ml (16 fl. oz.)	approx. 9,200 litres

## DID YOU KNOW..?

Our **preserved plankton** has two crucial advantages: firstly, it's **highly concentrated** and, secondly, it has a **long shelf life** even when **unrefrigerated**.

5



6

## PHYTO-PLUS

### PHYTOPLANKTON

**Phyto-Plus** is a specially developed phytoplankton for all corals and invertebrates in saltwater aquariums.

**Phyto-Plus** promotes growth and natural colours with its high content of essential fatty acids, carbohydrates, amino acids, lipids, omega-3 fatty acids and natural organic pigments.

#### Composition:

Dunaliella Spp., Spirulina platensis Ageitler, Platymonius Spp., Phaeodactylum Tricornu-tum in a specially preserved form.

Add 5 ml per 100 litres of water 1-2 times a week.

Item #	Content	Range
PHYTO04	118 ml (4 fl. oz.)	approx. 2,300 litres
PHYTO08	236 ml (8 fl. oz.)	approx. 4,600 litres
PHYTO16	473 ml (16 fl. oz.)	approx. 9,200 litres



1

**CORALSCAPER GEL**

CORAL GLUE

**Coralscaper** is a specially developed instant adhesive with a very high cyanoacrylate content for fast and safe bonding of corals in and out of the water.

**Coralscaper** offers maximum adhesive strength and is free from all kinds of harmful substances. It also hardens quickly under water and is harmless to your corals.

Item #	Content
CSCA10	2x 3 g

UFI: A300-P0FS-Q002-GD7Y

2

**CORALSCAPER**

SUPER GLUE

**Coralscaper** is a specially developed instant adhesive with a very high cyanoacrylate content for fast and safe bonding of corals in and out of the water.

**Coralscaper** offers maximum adhesive strength and is free from all kinds of harmful substances. It also hardens quickly under water and is harmless to your corals.

Item #	Content
CSCA50	50 g

UFI: A300-P0FS-Q002-GD7Y

3

**CORALSCAPER**

2K CORAL FIXER

**Coralscaper** is a specially developed two-component silicone-based putty for the quick and neat fixation of corals and offshoots, inside or outside the water.

**Coralscaper** is free from pollutants, odourless and easy to handle cleanly and without residue. The product's perfectly balanced composition prevents water clouding.

**Coralscaper** is easy to mould, hardens quickly and without heat development.

Item #	Content
CSCAPESM	2x 60 g

4

**CORALSCAPER EPOXY**

2K CORAL GLUE

**Coralscaper Epoxy** is specially designed for safe and easy use in any marine aquarium. It is perfect for gluing rocks, coral and coral scions as well as for making plastic shapes, such as shell holders. There are almost no limits to the application possibilities.

**Coralscaper Epoxy** adheres particularly well to wet surfaces, thanks to its high adhesive strength, and after curing, it develops a colour of coralline red algae.

Item #	Content
CSE120	2x 60 g

Component A – UFI: 8600-6056-000J-5QU1

Component B – UFI: P800-P0UK-A002-T2E3







## 5 REEFSCAPER REEF CEMENT

**Reefscaper** is a specially developed reef & coral cement, for the gluing of reef, stone and ceramic structures and for attaching corals and frags in every saltwater aquarium.

**Reefscaper** is free from harmful substances, heavy-metal compounds like chromate and does not contain unwanted silicate. **Reefscaper** is easy to work with, hardens very quickly and is an ideal place for coralline algae and friendly bacteria to thrive.

Item #	Content
RSCAPEMD	500 g
RSCAPELG	1000 g
RSCAPE5	5 l (5.0 kg)
RSCAPE20	20 l (20.0 kg)

UFI: 4C00-60HY-M00J-GE05

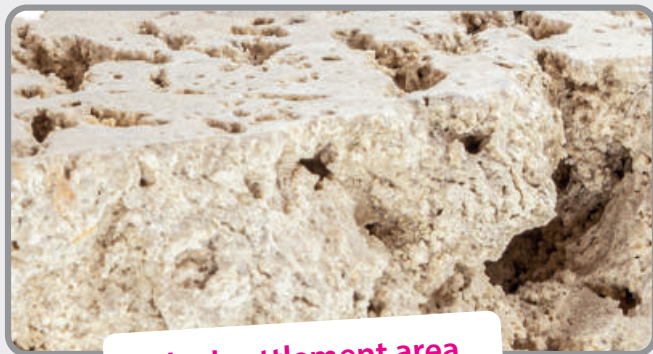
## 6 AQUA-FIX POLY GLUE

**Aqua-Fix Poly Glue** is ideally suitable as an underwater adhesive, for permanent fixation of stone, glass, wood, plastic, PVC, metal and much more. It also hardens quickly under water and can be safely used in every saltwater and freshwater aquarium.

Item #	Content
AF60	60 g
AF300	300 g



- ✓ Natural **reef rock**, fossil origin
- ✓ Optimal for use in every **saltwater aquarium**
- ✓ Also suitable for use in **cichlid tanks**
- ✓ **Free of toxins** and without organic impurities
- ✓ **Easy to handle and combine**
- ✓ **Ideal space** for useful bacteria to colonise
- ✓ **Highly porous** structure
- ✓ Rinse briefly, then **use immediately**



**Ideal settlement area**  
for bacteria



## 1 myREEF-ROCKS

NATURAL REEF ROCK

Item #	Content	Size
MRROSSM	20 kg	~ 9 – 12 cm
MRROSMD	20 kg	~ 13 – 20 cm
MRROSLG	20 kg	~ 18 – 30 cm
MRROSLX	20 kg	~ 25 – 40 cm
MRRMIX	20 kg	~ 9 – 40 cm



Both sides cut



## 2 myREEF-PLATES

NATURAL REEF ROCK – PLATES

Item #	Product	Content	Size
MRRP2	Both sides cut	6 pcs.	~ 20 – 30 cm







1

## PH INCREASE

### PH INCREASE

**pH Increase** is a specially developed product to increase the pH value for all saltwater aquariums.

**pH Increase** quickly and safely decreases the pH value to the desired value. The electrolytes additionally contained in the product prevents your animals from suffering osmotic shock and at the same time protects the mucous membranes and gills of your fish.

Item #	Content	Range
PHINS04	118 ml (4 fl. oz.)	approx. 2,300 litres
PHINS08	236 ml (8 fl. oz.)	approx. 4,600 litres
PHINS16	473 ml (16 fl. oz.)	approx. 9,200 litres
PHINSG1	3.785 l (1 gal.)	approx. 73,600 litres

UFI: SM00-Q0M5-J001-FERC

2

## AIP-AWAY

### AIPTASIA REMOVER

**AIP-AWAY** enables fast and effective removal of aiptasia in every saltwater aquarium. The included dosing syringe can be used to target the aiptasia precisely. When used correctly, it has no effect on corals and other animals in the aquarium.

Using the dosing syringe, apply 0.1 – 0.2 ml (depending on the size of the aiptasia) to the oral disc of the aiptasia without touching it. Subsequently, the aiptasia begins to dissolve, which may vary in time depending on its size.

Item #	Content
AIP50	50 ml

UFI: 2V00-70PC-F00H-FFGJ

## IMPORTANT:

- Turn off the flow pumps in your aquarium before dosing and wait about 15 minutes after dosing to turn them back on.
- Depending on the size, treat a maximum of 5–10 aiptasia per day.
- Rinse the dosing syringe and cannula thoroughly under running tap water after each use.





## 1 ARKA® myREEF®-FRAG RACK

**ARKA® myReef®-Frag Rack** is ideal for individual placement of coral frags.

The holes, which have a special silicone insert and a diameter of 15 mm, are compatible with many commercially available frag plugs and ensure a secure hold.

The magnets used and all other materials are safe for use in every saltwater aquarium.

Item #	Holes	Size
MRFR8	8 pcs.	approx. 207 x 45 mm
MRFR16	16 pcs.	approx. 207 x 70 mm
MRFR32	32 pcs.	approx. 287 x 88 mm

## 2 ARKA® myREEF®-PLUG

**ARKA® myReef®-Plugs** are ideal for attaching coral scions to many commercially available frag rack holders, such as our ARKA® myReef®-Frag Rack.

They are made of ceramic and can be used in every saltwater aquarium without hesitation.

Item #	Shape	Size	Content
MRF21-12	Round	approx. 21 x 21 x 20 mm	12 pcs.
MRFR16	Square	approx. 27 x 27 x 22 mm	12 pcs.
MRFR32	Round	approx. 30 x 30 x 22 mm	12 pcs.





**ARKA**<sup>®</sup>  
A Q U A T I C S



# ARKA AQUATICS REEF CERAMICS

How to get your dream reef





- ✓ 100% natural raw materials, no artificial additives
- ✓ Biologically active after a short time
- ✓ Offers an optimal **settlement area** for beneficial bacteria
- ✓ Can be tailored to your needs
- ✓ Non-toxic
- ✓ Entirely **handmade**
- ✓ Actively contributes to **environmental protection**
- ✓ Made in Germany

### SPECIAL PRODUCTION



The reef ceramics can also be **tailored to your needs**.

We manufacture our ARKA Aquatics reef ceramics **completely by hand** in our own production and from **100% natural raw materials**. Therefore, each reef ceramic is **unique, safe to use** and ideally suited for **unique reef structures** in any marine aquarium.

Thanks to their **highly porous structure**, our reef ceramics provide an **optimal settlement area for useful bacteria** in the aquarium, thereby creating the perfect basis for **important biological processes** – such as nitrification and denitrification – to flourish with **maximum effectiveness**.

Thanks to the use of purely natural raw materials, our reef ceramics are **free of pollutants**.

In addition to an **extensive range** of "standard reef ceramics", we also offer you the option of having your **dream reef ceramics** made **completely individually** by us. **There are (almost) no limits to your creativity!** Please contact us or your dealer with a sketch and/or description.

## DOES THE ARKA AQUATICS

### REEF CERAMICS NEED TO BE WATERED?

Our reef ceramics do **not necessarily** need to **be soaked** before use. It's sufficient to **rinse them briefly** to **remove the abrasion** caused by transport.

If you still want to water the reef ceramic, we recommend placing it in a suitable container filled with **osmosis water**. Make sure there's a **good flow of water** and add a **suitable silicate absorber** – for example using a filter bag. The water and absorber should be **changed periodically** – depending on the duration of the watering.

### DO REEF CERAMICS RELEASE SILICATE?

Since reef ceramic matrix – like large parts of the earth's surface – consists of **silicon** and this reacts with **oxygen to form silicate**, a reef ceramic will always initially release some silicate into the water.

However, this **release** is **very low** in our reef ceramics and can optionally **be further reduced** by soaking in combination with a **silicate absorber** (e.g. MICROBE-LIFT Sili-Out 2, see p. 18).

### CURRENT ASSORTMENT:







Ideal settlement area  
for bacteria







**ARKA**<sup>®</sup>  
A Q U A T I C S



ARKA AQUATICS  
**TECHNICAL PRODUCTS & ACCESSORIES**

Performance redefined



1

## ARKA myAQUA® 190/380 REVERSE OSMOSIS SYSTEM

ARKA myAQUA® quickly and effectively filters up to 99% of salts, bacteria and pollutants (such as nitrate, phosphate and heavy metals) from tap water, making it safe for use in any saltwater or freshwater aquarium.

ARKA myAQUA® does not require any electricity and works only by means of water pressure.

ARKA myAQUA® contains only natural filter materials, without chemical additives.

	ARKA myAQUA® 190	ARKA myAQUA® 380
Maximum daily output	190 l water	380 l water
Dimensions	approx. 35 x 19 x 10 cm	
Osmosis water/residual water	Ausbeute ca. 1 : 3 – 4	
Salt retention capacity	98 % – 99 %	
Scope of delivery	1× Membrane, 1× Membrane housing, 1× Fine filter cartridge, 1× Carbon filter cartridge, 1× Diaphragm key, 1× Water connection (3/4"–1/4"), 1× 3 m CCK hose, 2× wall bracket, 4× Clip for fastening	
Item #	#MA190	#MA380

The water pressure in the connected water pipe enables the tap water to be routed first through a **fine filter** (5 micron pore size) and then a **carbon filter**. It then passes through a special ultrafine membrane that allows only the smallest water molecules through.

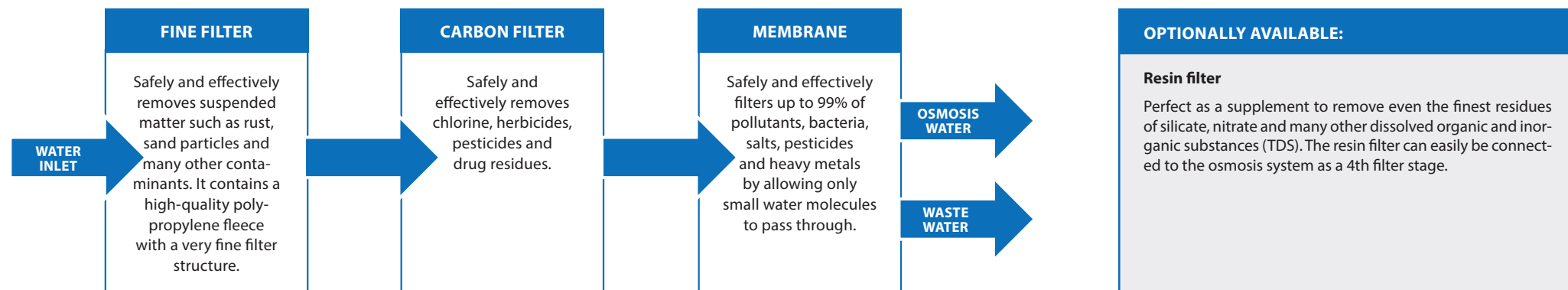
Up to 99 % of larger dirt particles, pollutants, salts and bacteria are retained in one of the three filter stages to keep the osmosis water safe and clean.

**The result is clean and safe osmosis water.**





## HOW DOES REVERSE OSMOSIS WORK?



## AVAILABLE ACCESSORIES:



ARKA myAQUA®  
**FINE FILTER**

#FFSM



ARKA myAQUA®  
**CARBON FILTER**

#KFSM



ARKA myAQUA®  
**MEMBRANE  
190/380**

#MB190 | #MB380



ARKA myAQUA®  
**MULTI FILTER  
500 ML**

#MF500



ARKA myAQUA®  
**RESIN FILTER  
300 ML/500 ML**

#RF300 | #RF500



ARKA myAQUA®  
**TDS/EC PEN**

#TDSEC



**RESIN-PURE**

#RPLG – 1 L  
#RPXL – 4 L  
#RP20 – 20 L

Saltwater  
aquariumFreshwater  
aquariumIncl.  
separate  
**TDS**  
pen

2

## ARKA myAQUA® 1900 REVERSE OSMOSIS SYSTEM

**ARKA myAQUA® 1900** quickly and effectively filters up to 99% of salts, bacteria and pollutants (such as nitrate, phosphate and heavy metals) from tap water, making it safe for use in any saltwater or freshwater aquarium.

**ARKA myAQUA® 1900** achieves a water yield of up to 1:1 and contains only natural filter materials without chemical additives.

**ARKA myAQUA® 1900** can be connected to commercially available household water pipes thanks to the accessories supplied.

### Technical data:

Daily Output	1900 l
Osmosis water : residual water	Yield approx. 1:1–1,5
Operating pressure	1 – 4 bar
Usable water temperature	5 – 38°C
Salt retention capacity	up to 99 %
Scope of delivery	Water tap, 300 cm pipe (inlet water), 600 cm pipe (pure water & waste water), T-piece 1/2 - 1/2 incl. valve, wall mounting, power adapter, TDS/EC pen, drain clamp, water connection adapter 3/4 - 3/8, shut-off valve 1/4 - 1/4
Membrane	Non-woven fabric reinforced by polyester
Dimensions	approx. 434 x 163 x 418 mm
Power	70 W (Standby 1-2 W)
Voltage	24 V
Item #	#MA1900

### Change intervals for system components (is displayed by the system)

RO Membrane	12 – 24 months
C1 Carbon filter (cartridge)	6 – 12 months
C2 Carbon filter (cartridge)	6 – 12 months
PP Fine filter	6 – 12 months





## AVAILABLE ACCESSORIES:

ARKA myAQUA® 1900  
FINE FILTER

#FFMD

ARKA myAQUA® 1900  
FINE FILTER  
REFILL

#FFRMD

ARKA myAQUA® 1900  
CARBON FILTER C1

#KF1MD

ARKA myAQUA® 1900  
CARBON FILTER C1  
REFILL

#KF1RMD

ARKA myAQUA® 1900  
MEMBRANE

#MB1900

ARKA myAQUA® 1900  
CARBON FILTER C2

#KF2MD

ARKA myAQUA® 1900  
CARBON FILTER C2  
REFILL

#KF2RMD

ARKA myAQUA® 1900  
RESIN FILTER

#RF1900

ARKA myAQUA® 1900  
RESIN FILTER  
REFILL

#RFR1900

ARKA myAQUA®  
IN-LINE TDS  
PEN

#TDSIL

ARKA myAQUA®  
TDS/EC PEN

ARKA myAQUA® TDS/EC pen enables a quick and accurate determination of the total dissolved solids (TDS), the electrical conductivity (EC) and the temperature of water.

**Conductivity:** 0 – 9999 µS/cm**TDS:** 0 – 9999 ppm**Celsius:** 0.1 – 80.0 °C**Fahrenheit:** 32.0 – 176.0 °F**Accuracy:** +/- 2%

Item #	Content
TDSEC	1 pc.

ARKA myAQUA®  
pH METER

ARKA myAQUA® pH meter enables a quick and accurate determination of the pH value of water and other liquids. It is ideally suited for use in every aquarium, pond, pool as well as for osmosis and drinking water.

**Measuring range:** 0.00 – 14.00 pH**Resolution:** 0.01 pH**Accuracy:** +/- 0.01 pH**Operating temperature:** 0 – 60 °C

Item #	Content
PHM	1 pc.

pH / TDS / EC  
METER

ARKA myAQUA® pH/TDS/EC meter enables a quick and accurate determination of the total dissolved solids (TDS), the electrical conductivity (EC), the pH value and temperature of water and other liquids. It is ideally suited for use in every aquarium, pond, pool as well as for osmosis and drinking water.

**Measuring range:** pH: 0.00 – 14.00 | TDS: 0 – 9999 ppm | EC: 0 – 9999 µS/cm**Resolution:** pH: 0.01 pH | TDS: 1 ppm | EC: 1 µS/cm**Accuracy:** pH: +/- 0.05 pH | TDS: +/- 2% | EC: +/- 2%**Temperature:** 0 – 60 °C | 32 – 140 °F**ATC:** 0 – 60 °C | 32 – 140 °F

Item #	Content
PHTDSEC	1 pc.

Hang-On 150

approx. 50 - 150 l

Hang-On 300

approx. 150 - 300 l

1

**ARKA® CORE HANG-ON SKIMMER**

THE SPACE-SAVING SOLUTION FOR EVERY AQUARIUM!

**What makes the ARKA® Core Skimmers so special?**

- Compact skimmer for hanging on the aquarium
- Advanced bubble chamber reduces turbulences and enables a stable laminar flow
- Specially developed and modified high-quality Sicce pump – Made in Italy
- Efficient, long-lasting and reliable
- Simple to use
- Quiet and energy efficient
- Easy to maintain
- Exclusively designed collection container for easy cleaning and to prevent algae build-up

**The ARKA® Core Skimmers are made from a highly polished cast cell acrylic glass and contain high-end components such as:**

- Advanced bubble chamber
- Adjustable air silencer
- Specially developed needle wheel
- Whisper-quiet and highly efficient quality pump
- Easily adjustable mount

Item #	Dimensions	Energy consumption	Recommended aquarium size	Tank height	Clearance requirement for removing collection cup
CSKIMH150	~ 16.5×15.5×41 cm	4.4 W	approx. 50 – 150 l	min. 255 mm	min. 280 mm
CSKIMH300	~ 19.5×19×42 cm	12 W	approx. 150 – 300 l	min. 255 mm	min. 170 mm



Hang-On 300





The conical body of the **ARKA® Core skimmer**, the advanced bubble chamber and conical diffusers work in synergy to mix air and water with the highest efficiency.

The special design eliminates turbulent flows and swirls that would affect performance. The diffusers enable a stable laminar flow in the reaction chamber, which leads to **unprecedented skimmer performance and efficiency**. The hybrid cone design maximises the reaction chamber size and thus facilitates **efficient removal of harmful substances**. The **innovative bubble chamber reduces turbulences** to a minimum and generates a **stable laminar flow**, which enhances bubble transfer and increases skimming performance.

The innovative bubble chamber combined with the powerful, high-quality needle wheel pump generates ideal air bubbles that guide proteins and other waste substances rapidly and efficiently through the cone body into the collection container.

## FEATURES

- Efficient, long-lasting and reliable
- Easy to use and to maintain
- Cell cast acrylic glass
- Titanium screws on the skimmer base
- Exclusively designed collection container with a handle for easy cleaning
- Easily adjustable mount

### A reef in your living room – a low-noise backdrop

The ARKA® Core Skimmers were developed from the ground up for use in living rooms. A built-in air inlet silencer reduces noises for almost silent operation. Rubber feet insulate noises and reduce vibrations.

## HIGH-QUALITY PUMPS

### MADE IN ITALY

The needle wheel pumps manufactured by Sicce and optimised by us guarantee high air output and balanced bubble action to reliably remove proteins and organic substances from the aquarium. Maintenance is reduced to a minimum to leave you with more time for your aquarium.



Hang-On 150



ACS120

approx. 250 - 750 l

ACS180

approx. 750 - 1250 l

ACS280

approx. 1250 - 2000 l

2

**ARKA® CORE SKIMMER**

THE PERFECT "CORE" FOR EVERY AQUARIUM!

Powerful, efficient, compact, smooth-running and energy-saving: With the new **ARKA® Core Skimmer series** combines all those points that are essential for a perfect aquarium. The right "core" for every aquarium!

**What makes the ARKA® Core Skimmers so special?**

- Special conical diffusers achieve unprecedented foam action
- Extremely compact design – ample space in every sump
- Specially developed and modified high-quality Sicce pump – Made in Italy
- Quiet and energy efficient
- Easy to maintain

**The ARKA® Core Skimmers are made from a highly polished cast cell acrylic glass and contain high-end components such as:**

- Advanced bubble chamber
- Hybrid cone body
- Adjustable air silencer
- Specially developed needle wheel
- Ozone-connection
- Whisper-quiet and highly efficient quality pump

Item #	Dimensions	Aquarium size	Energy consumption	Ozone connection
ACS120	~ 21×17×52 cm	approx. 250 – 750 l	14 Watts	✓
ACS180	~ 24×19×59 cm	approx. 750 – 1250 l	16 Watts	✓
ACS280	~ 28×24×61 cm	approx. 1250 – 2000 l	26 Watts	✓





The conical body of the **ARKA® Core skimmer**, the advanced bubble chamber and conical diffusers work in synergy to mix air and water with the highest efficiency.

The special design eliminates turbulent flows and swirls that would affect performance. The diffusers enable a stable laminar flow in the reaction chamber, which leads to **unprecedented skimmer performance and efficiency**. The hybrid cone design maximises the reaction chamber size and thus facilitates **efficient removal of harmful substances**. The **innovative bubble chamber reduces turbulences** to a minimum and generates a **stable laminar flow**, which enhances bubble transfer and increases skimming performance.

The innovative bubble chamber combined with the powerful, high-quality needle wheel pump generates ideal air bubbles that guide proteins and other waste substances rapidly and efficiently through the cone body into the collection container.



## FEATURES

- Efficient, long-lasting and reliable
- Easy to use and to maintain
- Cell cast acrylic glass
- Titanium screws on the skimmer base
- Exclusively designed collection container with a handle for easy cleaning

## HIGH-QUALITY PUMPS MADE IN ITALY

The needle wheel pumps manufactured by Sicce and optimised by us guarantee high air output and balanced bubble action to reliably remove proteins and organic substances from the aquarium. Maintenance is reduced to a minimum to leave you with more time for your aquarium.

### A reef in your living room – a low-noise backdrop

The ARKA® Core Skimmers were developed from the ground up for use in living rooms. A built-in air inlet silencer reduces noises for almost silent operation. Rubber feet insulate noises and reduce vibrations.





1

## ARKA® CORE FLEECE FILTER „CFF-1“

The ARKA® Core Fleece Filter „CFF-1“ is a specially developed, automatic fine filter for all salt- and freshwater aquariums. The ARKA® Core Fleece Filter „CFF-1“ filters organic contaminations from the water by using the integrated, fine fleece roll and it removes them from the aquarium permanently before they decompose.

The contaminated water is filtered through the fleece and then flows back into the aquarium. If contamination clogs the fleece, the water flow decreases and the water level in the ARKA® Core Fleece Filter „CFF-1“ rises. The float switch triggers the motor as soon as a certain level of water is reached, and it winds the fleece roll a bit further until the water level lowers again.

### What makes ARKA® Core Fleece Filter „CFF-1“ so special?

- High filter capacity through fine fleece
- Automatic rewinding of the contaminated fleece filter
- Less maintenance and less filter cleaning
- Easily adjustable mounting bracket
- Efficient, long-lasting and reliable
- Separate hose connection, e.g. to remove detritus from the aquarium
- Individually adjustable contaminated water intake (turns 360°)
- Quiet and energy efficient
- Easy to maintain

Item #	Dimensions	Recommended flow rate	Inlet	Optimum water depth	Fleece roll
CFF1	approx. 33 × 42 × 23 cm	up to 5000 l/h	50 mm/1,5" thread	100 – 170 mm (measured from the bottom of the device)	Width: 152 mm Length: 25 m Micron: 50 µ

## REPLACEMENT FLEECE ROLL



The ARKA® Core Fleece Filter „CFF-1“ includes a filter roll approx. 25 meters long, which lasts about 1 - 2 months, depending on water quality and bio-load. When the filter roll is consumed it can simply be removed and replaced with a new one.

**Maintenance work is thus reduced to a minimum!**

Item #	Size (approx.)
CFFR1	25 m







1

## ARKA myAQUA® MULTIFILTER 4000

The **ARKA myAQUA® Multifilter 4000** is ideal for filling with resin/mixed bed resin, absorbers and many other filter materials, such as activated carbon. Featuring a built-in 1 inch water-neutral plastic thread along with 1" to 3/4" and 1/4" transitions for the water inlet and outlet included in the scope of delivery, it can be used universally – both as a downstream resin filter on reverse osmosis systems and for many other purposes.

Another advantage: the standardised size of the filter housing of 20 x 4.5 inches allows a variety of different inner cartridges of this size to be used.

The **ARKA myAQUA® Multifilter 4000** is made of high-strength, food-safe plastic (PP) and is pressure-resistant up to 28 bar. The double O-ring seal ensures maximum tightness.

The refillable inner cartridge supplied has integral fine filters on both sides – thereby preventing suspended matter from entering the inner filter while keeping abrasion or parts of the resin or filter material safely inside the inner filter. Two other filter sponges – supplied loose – can be positioned appropriately, depending on the material used and the filling quantity.

### What makes the ARKA myAQUA® Multifilter 4000 so special?

- Filling volume: 4000 ml
- Multifunctional: Can be filled with resin/mixed-bed resin, absorbers and many other filter materials, such as e. g. activated carbon
- Easy to use & refillable
- Pressure-resistant up to 28 bar
- Maximum tightness

Item #	Dimensions	Pressure-resistant	Capacity
MF4000	~ 61 x 18,5 x 18,5 cm	up to 28 bar	max. 4000 ml





1

## ARKA® CORE MULTI-FILTER „MF500“

The ARKA® Core Multi-Filter „MF500“ is a specially developed media reactor for all salt- and freshwater aquariums. The ARKA® Core Multi-Filter „MF500“ is suitable for all current filter media, including e.g. activated charcoal, phosphate adsorbers, zeolite or bio-pellets, and can be filled easily and emptied with the removable container.

Simply turning the ARKA® Core Multi-Filter „MF500“ adjusts the flow rate steplessly and precisely, allowing the flow rate to adapt optimally to the type and quantity of filter medium.

The unique construction ensures optimal flow through the filter media and uniform distribution. This ensures maximum contact time with aquarium water and permanently prevents granulate or pellet clumping. The applied filter medium can thereby be utilized in the best possible way.

### For maximum effectiveness and optimum results!

#### What makes the ARKA® Core Multi-Filter „MF500“ so special?

- Multifunctional: Can be filled with activated carbon, phosphate adsorber, zeolite, bio-pellets and much more
- Maximum contact time between media and aquarium water
- Removable container for easy filter media exchange
- Integrated Sicce pump with adjustable flow rate
- Flow rate steplessly adjustable on the container
- Efficient, long-lasting and reliable
- Easy to use and to clean
- Highly polished cast cell acrylic glass

Item #	Dimensions	Power	Capacity
CMFILTER	ca. 10 × 34 × 11 cm	2.8 W	max. 500 ml







## 1 ARKA® mySCAPE-CO<sub>2</sub> SYSTEM 2,4 L & 3,7 L

The **ARKA® mySCAPE-CO<sub>2</sub> system** enables CO<sub>2</sub> to be effectively, affordably and consistently supplied to every freshwater aquarium. A special acid-base mixture (citric acid and baking soda/sodium bicarbonate) and water are placed in the high-quality and pressure-resistant stainless steel cylinder – this mixture reacts inside the cylinder to form CO<sub>2</sub>.

This means the **ARKA® mySCAPE-CO<sub>2</sub> system** can be quickly and effortlessly re-filled at home.

### What makes the ARKA® mySCAPE-CO<sub>2</sub> system so special?

- Do it yourself – can be filled/re-filled yourself
- The main components are made from high-quality stainless steel to ensure resistance to corrosion and pressure
- Efficient, long-lasting and reliable
- Easy to use
- Precise setting options
- Safety valve to release excess pressure
- Night-time switch off possible thanks to solenoid valve

### Technical data

- Operating pressure: ≤ 50 bar
- Burst pressure: >110 bar
- Starting pressure: 3-5 bar
- Cylinder wall thickness: 1,5 mm

Item #	Dimensions	Power consumption	Volume
MSCO2MD	approx. 150 × 495 cm	0,8 W	2,4 W
MSCO2LG	approx. 130 × 465 cm	0,8 W	3,7 W



Can be filled  
by yourself

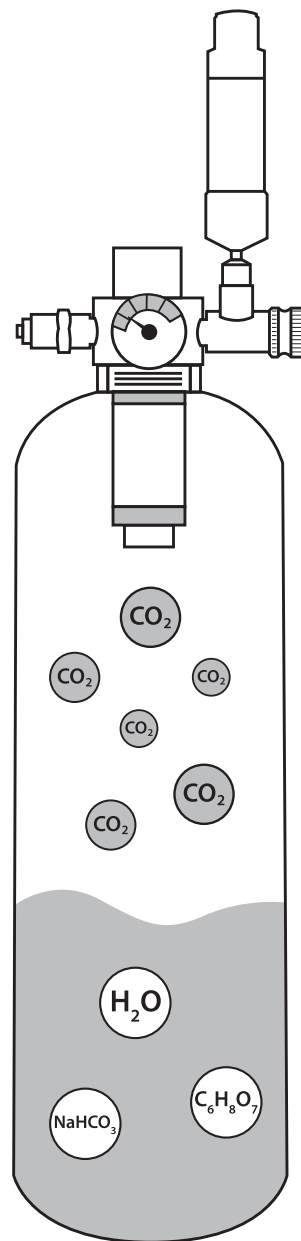
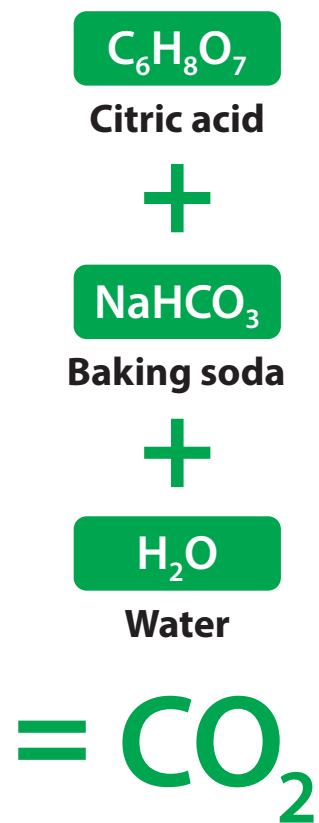


Pressure-resistant  
stainless steel



Incl. electric  
solenoid valve





### AVAILABLE ACCESSORIES:



**myScape-CO<sub>2</sub> Checker Set**  
CO<sub>2</sub> Continuous test  
incl. indicator solution

#MSCO2C



**myScape-CO<sub>2</sub> Checker**  
Indicator solution

#MSCO2CR



**myScape-CO<sub>2</sub> Diffuser**  
Stainless steel

#MSCO2D25 – 25 cm  
#MSCO2D30 – 30 cm



**myScape-CO<sub>2</sub> Diffuser**  
Replacement plate ceramic

#MSCO2DP



**myScape-CO<sub>2</sub> System**  
Citric acid & Baking soda refiller

#MSCO2RMD – 2x 400 g  
#MSCO2RLG – 2x 600 g



## 1 REFRACTOMETER

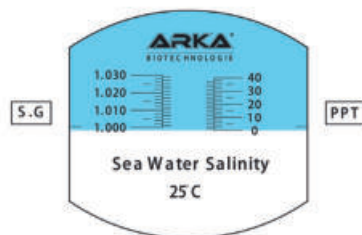
WITH LED LIGHTING

- Integrated double display (density – salinity)
- Automatic temperature compensation
- Easy to use
- Calibrated at 25 °C (saltwater)

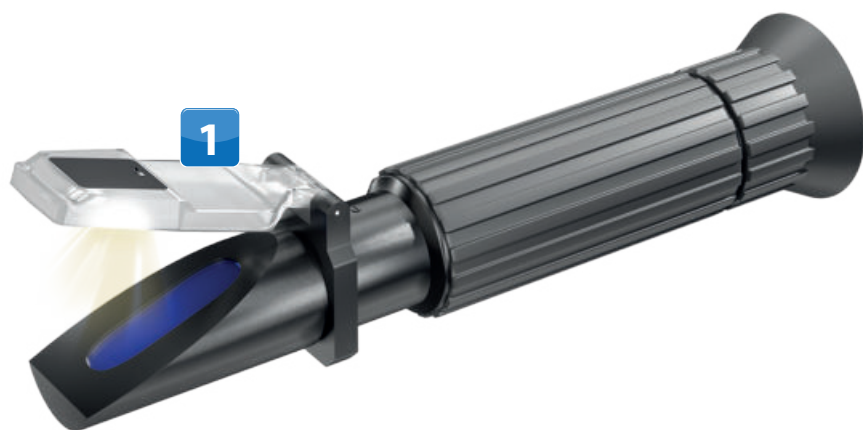
All ARKA® - AREF refractometers are manufactured according to high quality standards and are used in research, technology and at home. Simple recalibration possible in just a few steps with distilled water or reference solution.

### Scope of delivery:

- Refractometer
- Dosing pipette
- Screwdriver
- Cleaning cloth
- Cover plate
- Instructions

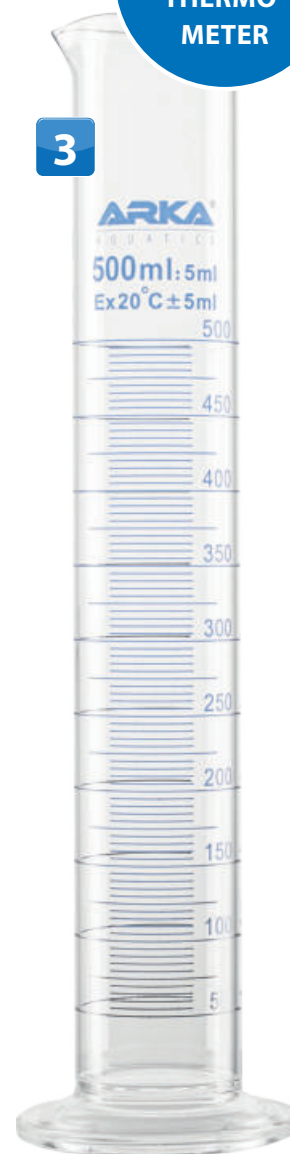


Item #	Product
AREF	Refractometer incl. LED



INCL.  
INTEGRATED  
THERMO-  
METER

3



## 2 HYDROMETER & MEASURING CYLINDER

For precise, fast measurements of the salt content/density and temperature in all saltwater aquariums. Take note of the areas marked in green (recommended range) of the integrated measuring scale.

For precise measurements, the ARKA aerometer should be used in a large vessel, floating and at a recommended temperature of 25°C.

3

We recommend our special **ARKA measuring cylinder** made of borosilicate glass 3.3 in laboratory quality.

**Measuring range:** 1.018 to 1.028

**Resolution:** 0.0001

**Temperature measuring range:** 8°C to 35°C

**Guaranteed maximum deviation:** +/- 0.0002 at 25°C

**Thermometers with °C and °F**

Item #	Product
SWH	Hydrometer
SWHSET	Hydrometer incl. measuring cylinder
SWHC	Measuring cylinder 500 ml

2



## 4 MULTIFUNCTION-PIPETTE

**Multifunction pipette** for targeted feeding of corals and ornamental fish with larger food particles.

Item #	Product
MPIPE50	Filling volume 50 ml – 30 cm

## 5 UNIVERSAL-PIPETTE

**Universal pipette** for accurate feeding of corals and ornamental fish with larger food particles or for cleaning / hosing down decorations and corals.

Item #	Product
FPIPE3	Filling volume 3 ml – 15 cm – Set of 5 pcs.
FPIPE10	Filling volume 10 ml – 30 cm – Set of 2 pcs.

## 6 FILTERMEDIA-BAG

**ARKA filter bags** are made of tear-proof nylon and are ideally suitable for a majority of filter media in marine and freshwater aquariums.

**ARKA filter bags** are both closable and reusable thanks to an integrated zip. The especially fine-mesh network structure prevents undesired escape of filter media and wear long-term.

Item #	Content
FB500	500 ml
FB1000	1000 ml

## 7 PVC AQUARIUM TUBE

The **ARKA PVC aquarium tube** is ideal for transporting liquids, e.g. during water changes, or for connecting filters in every saltwater and freshwater aquarium. It is extremely durable and food-safe.

**Diameter:** 4/6 mm, 9/12 mm, 12/16 mm, 16/22 mm

**Colours:** blue, grey, transparent

**Sizes:** 3 m, 5 m, 10 m, 100 m

## 8 SILICONE TUBE

The **ARKA silicone tube** is ideally suited for supplying e.g. air, CO<sub>2</sub> and ozone in every saltwater and freshwater aquarium. It is extremely durable, food-safe and CO<sub>2</sub>-resistant.

**Diameter:** 4/6 mm

**Colours:** blue, grey, transparent

**Sizes:** 3 m, 5 m, 10 m, 200 m





**ARKA®**



# INSTRUCTIONS

The optimal way to your aquarium

**MICROBE-LIFT®**

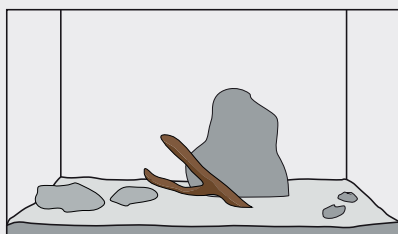


## WHAT DO I NEED FOR THE BEST POSSIBLE START OF MY FRESHWATER AQUARIUM?

Product	NITE-OUT II	SPECIAL BLEND	GEL FILTER (optional)	THERA P (optional)	XTREME (optional)
What for?	<b>Nitrification:</b> Ammonia/Ammonium $\Rightarrow$ Nitrite $\Rightarrow$ Nitrate	<b>Denitrification:</b> Nitrate $\Rightarrow$ Nitrogen	Longer cleaning intervals and immediate biological activity of the filter media	Less disruption, healthier animals, more growth	Makes tap water safe for all living organisms in the aquarium (necessary for the quality of the original water)
Advantages	After 24 hours, your aquarium is <b>fully functional</b> as they are <b>living and fully developed bacteria</b> . They begin their work as soon as they have been added and thus ensure <b>proper nitrification and denitrification from the first day</b> . This enables safe and immediate partial or complete population with plants and fish.				
What do I have to consider?	<ul style="list-style-type: none"> <li>Make sure there is <b>sufficient space</b> for the <b>beneficial bacteria to settle</b> (ground, decoration and filter material)</li> <li>From day one, ensure that your aquarium has <b>adequate filtration (oxygen supply)</b></li> <li>Switch off <b>UV and ozone systems for 12–24 hours</b> after adding bacteria</li> </ul>				

## STEP BY STEP:

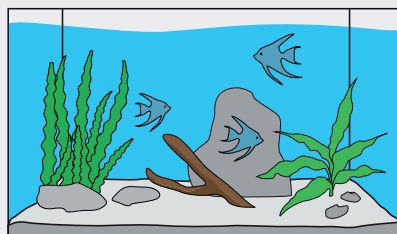
A



First add **suitable decoration** and the **right substrate** to your aquarium. Our **myScape-Rocks** made of **natural rock** are ideal as a **settlement area for useful bacteria** and are ideal for **planting** and can be used immediately.

In chichlid aquariums or aquariums with high water hardness, you also can use our highly porous **myREEF-ROCKS**.

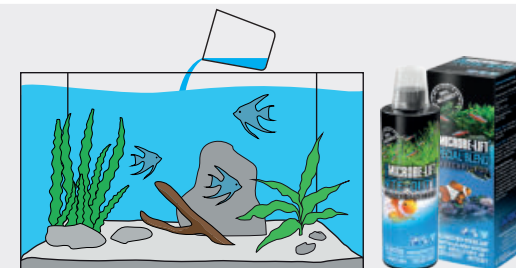
B



Now add **plants** to your aquarium and fill it with water of the **right temperature**. If desired, the aquarium can also be slowly populated with **fish** and other **aquarium inhabitants**.

**Tip:** We recommend our **XTreme** water purifier when using water contaminated with chlorine/chloramine and heavy metals.

C








Now add the first dose of **Special Blend** and 3-4 hours later add **Nite-Out II** for the first time.

Add **Nite-Out II** daily until **ammonium/ammonia** and **nitrite** are constantly in a **low range** (close to n. n.).

The dangerous **nitrite peak** that often occurs is **reduced** thanks to **Nite-Out II** to a **safe level**. Our dosing schedule or the label will tell when you can add more.



## DOSING SCHEDULE

		Week							
		1	2	3	4	5	6	7	8
<b>NITE-OUT II</b> Starter Bacteria 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Add 10 ml daily to 100 litres of water until ammonium/ammonia/nitrite is no longer measurable					10 ml / 100 litres of water once, after major water changes ( $\geq 50\%$ ) or population with new animals		
<b>SPECIAL BLEND</b> Water Care 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		25 ml / 100 l of water	15 ml / 100 l of water					7,5 ml / 100 l of water (every 14 days)	
<b>THERA P (optional)</b> Animal Care 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		25 ml / 100 l of water	15 ml / 100 l of water						7,5 ml / 100 l of water (every 14 days) *
<b>Gel Filter (optional)</b> Filter Starter 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Evenly wet the filter medium with lines or dots				If necessary, use new or cleaned filters			
<b>XTREME (optional)</b> Water Conditioner 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		10 ml / 100 l of water			10 ml / 100 l of water whenever you change the water or newly set up an aquarium				
		start					long-term care		

\*Alternating weeks with Special Blend.



## Tips:

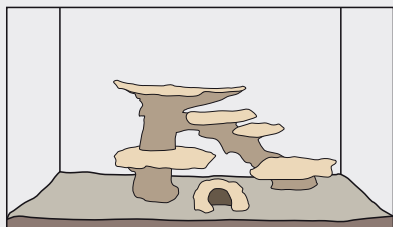
- Ideally add **Special Blend** and **Thera P** in the morning, so that the **photosynthetic bacteria** it contains can make use of the **full light phase** at the start.
- When using **Thera P** for the first time allow 2–3 days before using **Special Blend**. As soon as the maintenance dosage has been reached, alternate **weekly**.
- Before an initial set-up and after each cleaning, dab your filter media with **Gel Filter** to biologically activate them immediately and to maximise the cleaning intervals.

## WHAT DO I NEED TO MAKE THE BEST OF MY SALTWATER AQUARIUM?

Product	NITE-OUT II	SPECIAL BLEND	PREMIUM REEF	THERA P (optional)
What for?	<b>Nitrification:</b> Ammonia/Ammonium $\Rightarrow$ Nitrite $\Rightarrow$ Nitrate	<b>Denitrification:</b> Nitrate $\Rightarrow$ Nitrogen	Salinating and trace elements	Less disruption, healthier animals, more growth
Advantages	After 24 hours, your aquarium is <b>fully functional</b> as they are <b>living and fully developed bacteria</b> . They begin their work as soon as they have been added and thus ensure proper <b>nitrification</b> and <b>denitrification from the first day</b> . This enables the safe and immediate partial or complete population with corals.			
What do I have to consider?	<ul style="list-style-type: none"> <li>Make sure there is <b>sufficient space for the beneficial bacteria</b> to settle (ground, reef structure)</li> <li>Use your <b>skimmer from the first day</b></li> <li>Switch off <b>UV and ozone systems for 12–24 hours</b> after adding bacteria</li> </ul>			

## STEP BY STEP:

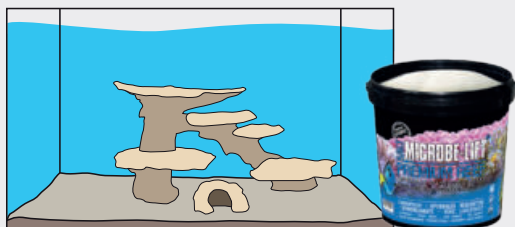
A



First, set up your aquarium with a **reef structure** (reef ceramics, fossil reef rock, living rock or other suitable materials) and, if desired, a **substrate** (recommended). Make sure that there is **enough space for useful bacteria** to settle.

Due to their high porosity, which makes them a perfect settlement area, we recommend our **ARKA Aquatics reef ceramics** or our **myREEF-ROCKS** fossil reef rock.

B



Salinate the required amount of **tempered osmosis water** with the right amount of **MICROBE-LIFT Premium Reef Salt** to achieve the desired water values while ensuring sufficient water movement. **After a very short time, the water is clear and can be used. 38g dissolved in 1000 ml of fully desalinated water (in 25° C) yield the following (approximate) values:**

Density: 1.022

Density: 1.022

Magnesium content: approx. 1300 mg/l

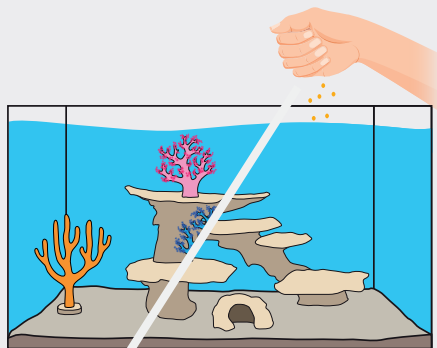
pH value: 8.3-8.5

pH value: 8.3-8.5

Strontium: approx. 8.1 mg/l



C

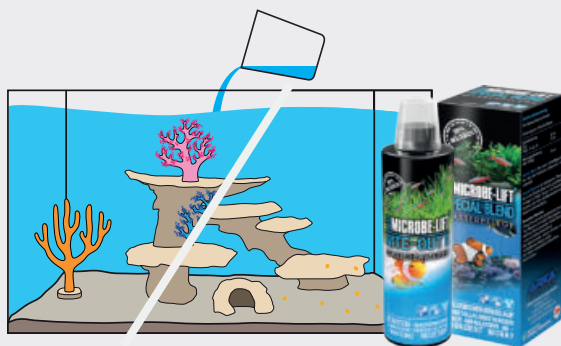


About **24 hours** after you have put the salinated water into your aquarium, populate it partially or completely **with corals**, or, if this is not possible, add **some fish** or **coral feed** to the water to raise “**water load**”.

This is important to **ensure** that **bacteria are fed** and thus establish a **regulated biological cycle**.

**Please note:** The use of **Nite-Out II** and **Special Blend** in connection with the “classic start-up approach” does not work because the bacteria would be without food for a long time.

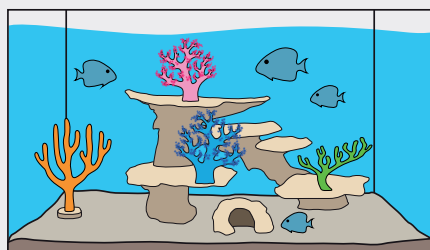
D



When you have populated the aquarium the first corals or have added feed, you now add **Special Blend** for the **first time**. You then add the first dose of **Nite-Out II** 3-4 hours later.

Our **dosing schedule** or the product label will tell you when to add more.

E



Day





X

Once you have populated your aquarium with corals on the first day, you can move the **first fish** in as soon as the **water values** (ammonium/ammonia and nitrite) are **suitable** (as close as possible to 0). **Check ammonium/ammonia and nitrite values regularly**, as these usually **increase quickly** after population.

Dose **Nite-Out II** daily until the value is in a **tolerable range again after adding your fish**. You will then no longer have to add **Nite-Out II** daily. The dangerous **nitrite peak** that often occurs is reduced thanks to **Nite-Out II** to a **safe level**.

Dose **Special Blend** and **TheraP** regularly after the start-up phase, as indicated on our labels or our dosing schedule, in order to **establish a permanently effective biology** in your aquarium.

## DOSING SCHEDULE

		Week							
		1	2	3	4	5	6	7	8
<b>NITE-OUT II</b> Starter Bacteria 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		10 ml/100 litres of water daily until ammonium (NH <sub>4</sub> ) / ammonia (NH <sub>3</sub> ) and nitrite (NO <sub>2</sub> ) are no longer measurable					10 ml / 100 litres of water once, after major water changes (≥ 50%) or population with new animals		
<b>SPECIAL BLEND</b> Water Care 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		25 ml / 100 l of water **	15 ml / 100 l of water **					7,5 ml / 100 l of water ** (every 14 days)	
<b>THERA P (optional)</b> Animal Care 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		25 ml / 100 l of water **	15 ml / 100 l of water **						7,5 ml / 100 l of water ** (every 14 days) *
<b>PREMIUM REEF</b> Salt 		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Ideal for start-up and long-term care					We recommend additional weekly water changes (10-20%)		
		start					long-term care		

\* Alternating weeks with Special Blend.

\*\* Saltwater inhibits the growth of bacteria; for faster results, add an additional 25-50 %.



## Tips:

- Ideally add **Special Blend** and **TheraP** in the morning, so that the photosynthetic bacteria it contains can make use of the full light phase at the start.
- During the start-up phase or if coral populations are low only use our **Premium Reef Salt**, because the organic components in our **Organic Active Salt** might not be completely used up.
- When using **TheraP** for the first time allow 2–3 days before using **Special Blend**. As soon as the maintenance dosage has been reached, alternate weekly.






























## WHAT DO I NEED FOR OPTIMAL CORAL CARE?

	Version 1		Version 2
Suitability?	For aquariums with a steady consumption of the individual elements		For every saltwater aquarium
Product	ALL-IN-ONE	COMPLETE (optional)	BASIC-SYSTEM
What for?	Supply of important trace elements (CA & MG), minerals, vitamins and amino acids	Stabilizes KH and pH value	Complete supply with calcium, magnesium and KH + other optional additions
Advantages	<ul style="list-style-type: none"><li>• Easy dosage</li><li>• Little effort</li></ul>		<ul style="list-style-type: none"><li>• Individual values can be adjusted</li></ul>
What do I have to consider?	<ul style="list-style-type: none"><li>• Check your water values regularly</li></ul>		<ul style="list-style-type: none"><li>• Check your water values regularly</li></ul>

For all of our coral supply systems, we recommend weekly water changes (10–20%) with our MICROBE-LIFT sea salts.

## DOSAGE SCHEDULE FOR CORALS

		Week							
		1	2	3	4	5	6	7	8
<b>ALL-IN-ONE</b> Trace Elements		Version 1							
									
		1–2 times a week 5 ml / 100 l water; dosage can be administered daily with large populations							
<b>COMPLETE (optional)</b> KH & pH Stabilisation									
		25 ml / 100 l water to stabilise KH value at approx. 8~10 dH° and pH value at 8.0~8.3, dosage can be administered daily with large populations							
<b>BASIC-SYSTEM</b> Reef Supplement		Version 2							
									
		Ideal for start-up and long-term care							

## HOW DO I GET STARTED WITH THE BASIC SYSTEM?

1

### What are my water values?

Measure and record all relevant water values:

Calcium	Magnesium	Carbonate

Repeat the measurements on several consecutive days at the same time of the day.

Calcium	Magnesium	Carbonate

2

### How much does my aquarium use?

Determine the consumption of calcium, magnesium and carbonate based on the measurements in step 1. It is even easier with the practical and easy-to-use **AquaCalculator** ([www.aquacalculator.com](http://www.aquacalculator.com)).

**Please note:** You should also regularly check the consumption of your aquarium during normal operation of the Basic System, as healthy coral growth increases consumption.

3

### Which type of aquarium do I have?

You can find the ideal values recommended for your aquarium in the following table:

Aquarium type	Temp.	Density (25°C)	Calcium	Magnesium	°dKH	Nitrate	Phosphate
Mixed reef	25° C	1.023~34.6	420 mg/l	1.260 mg/l	8	3–10 mg/l	0.05–0.1 mg/l
SPS/LPS Aquarium	25° C	1.024~35.9	450 mg/l	1.350 mg/l	8–10	0.3–5.0 mg/l	0.01–0.05 mg/l
SPS dominating	25° C	1.023~34.6	410 mg/l	1.220 mg/l	8	0.0–0.1 mg/l	0.0–0.01 mg/l



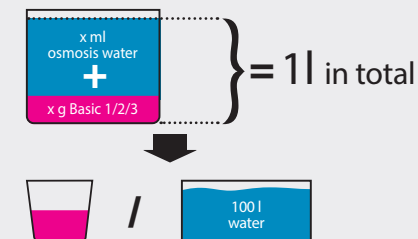
4

**Using MICROBE-LIFT BASICS**

The individual components of the MICROBE-LIFT BASICS are mixed in three separate 1-litre or 5-litre containers.

1. Place the specified amount of Basic 1 powder, for example, in a measuring cup.
2. Now fill the measuring cup to exactly 1 litre with osmosis water.
3. Add the given specified amount of additives, for example Basic 1.1, to the measuring cup.

Example:



For 1 litre of stock solution	Basic 1		Basic 2	Basic 3
	367 g		419 g	85 g
	Basic 1.1	Basic 1.2	Basic 2.1	Basic 3.1
Mixed reef	30 ml	30 ml	30 ml	15 ml
SPS/LPS Aquarium	30 ml	20 ml	15 ml	10 ml
SPS dominating	15 ml	5 ml	5 ml	2.5 ml

4. Now you have the first stock solution for one litre.

Repeat this step four times if you want to mix 4 litres in our canister.

5

**Dosing the MICROBE-LIFT BASICS**

Now calculate the ideal dose for your aquarium from the following table:

	Dosage amount in ml per 100 liters		increase
Basic 1 ready-mixed stock solution	10		10 mg/L Calcium
Basic 2 ready-mixed stock solution	10		5 mg/L Magnesium
Basic 3 ready-mixed stock solution	35		1 °dKH

**Tips:**

- Always dose **Basic 1 calcium** and **Basic 3 carbonate** stock solutions at different times.
- Dissolve **Basic 3 carbonate** in slightly warm water.
- We recommend a **weekly water change of at least 10%**, with our **Microbe-Lift Premium Reef Salt** or **Organic Active Salt**.
- Our **BASICS** can be used together with **all common filter systems**, such as the Zeolite system, a natural filter or the Berlin system.

## THE BIOLOGICAL FIGHT AGAINST CYANOBACTERIA

Please note that there can be no guarantee for successfully combating cyanobacteria in the aquarium, as cyanobacteria can have a variety of causes. It is therefore important to identify and eliminate them.

### WHAT PRODUCTS DO I NEED?

A



#### Special Blend

Contains the following bacterial strains, among others, which often help in the fight against cyanobacteria:

##### Rhodospirillum rubrum:

Photosynthetic bacteria fix the nitrogen from the nitrate breakdown and therefore compete with cyanobacteria, which can also fix nitrogen. Extremely good for preventing red cyanobacteria layers on the floor!

##### Thiobacillus denitrificans:

Photosynthetic bacteria reduce the nitrate resulting from nitrification to molecular nitrogen (gas). In combination with the above mentioned bacterium (Rhodospirillum rubrum) that fixes nitrogen, a cycle is created that makes it difficult for the cyanobacteria to get to a source of nitrogen.

B



#### Nite-Out II

The bacterial strains it contains additionally **disrupt the cyanobacteria metabolism** and settle on the surfaces which were previously settled by the cyanobacteria.

C



#### Zeopure Powder

The bacteria of **Special Blend** and **Nite-Out II** stick to the zeolite and thus spread even better in the aquarium.

✓

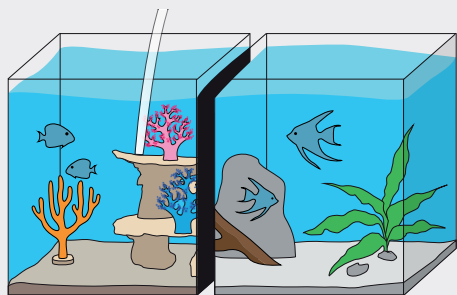
#### Tips:

- Do **not** use illuminants with a **peak blue content of less than 360**, as this goes into the black light range and thus promotes cyanobacteria.
- In addition, **illuminating media with a greater red component** (usually to support colour) are also often a **trigger for cyanobacteria**.
- **Check your water values** and the ratios between them, such as **NO<sub>3</sub> Nitrate** to **PO<sub>4</sub> Phosphate**. An incorrect ratio, or water values that are too high or too low encourage the growth of cyanobacteria.
- Do **not** add **vitamins** or **amino acids** during the period of cyanobacteria infestation.
- Optimized **flow** and **aeration** will help to keep cyanobacteria away once eradicated.



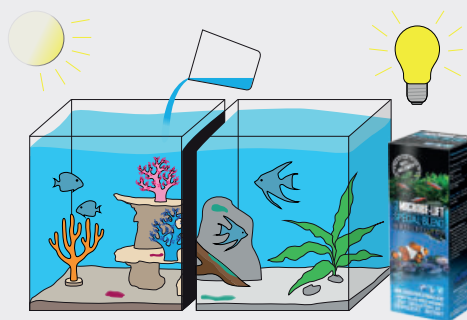
## STEP BY STEP:

A



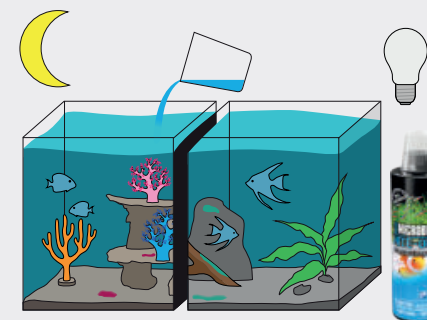
Remove the cyanobacteria as much as possible by mechanical means.

B






At the start of the light phase add **Special Blend** according to the dosing schedule.

C



Add **Nite-Out II** every other day (and daily if required) **just before or after the end of the light phase**.

## DOSING SCHEDULE TO FIGHT CYANOBACTERIA

		Week				
		1	2	3	4	5
<b>NITE-OUT II</b> Starter Bacteria 						
		Every other day, 10 ml/100 litres of water				
<b>SPECIAL BLEND</b> Water Care 						
		35 ml / 100 l of water	20 ml / 100 l of water			
<b>Zeopure Powder</b> 						
		50 ml solution / 100 l water daily (solution = 5 l canisters distilled water) + 5-10 tbsp Zeopure Powder				

We recommend **continuing** to use **Special Blend** **regularly** according to the dosage indicated on the packaging.

The dosing mentioned above is an increased initial dosage, so depending on the dosing, it may have to be dosed to the end before you switch to **maintenance dosage**.

## PHOSPHATE DEPOSITS AND NITRATE SOURCES IN THE AQUARIUM

**Phosphate levels are too high despite phosphate absorber** and no idea why? **Nitrate levels** that simply will not drop or inexplicably increase despite the **addition of bacteria**? These are, unfortunately, all too common problems, which many aquarium enthusiasts know only too well. The explanation for this is usually **phosphate deposits** or **nitrate sources**, which accumulate on the **substrate** or in the **rock** and continuously release phosphate and/or nitrate into the water.

Since **phosphate absorbers** can only ever absorb the **free phosphate**, however, they do not help. In the case of nitrate sources, the released amount of nitrate from these accumulations together with the nitrate already in the aquarium often means the existing bacteria cannot keep up and the level therefore stagnates or increases.

Our Microbe-Lift **Substrate Cleaner** is a **purely biological bacterial product** that acts as a **liquid substrate cleaner** and makes it things easier for you as it **eliminates nitrate sources** and can **break down phosphate deposits**.

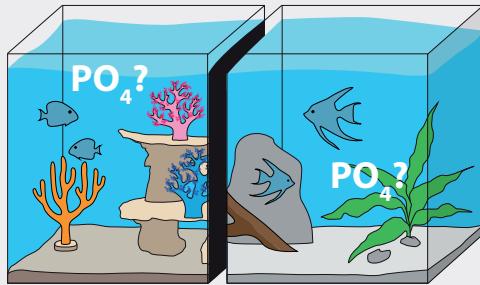
### WHAT PRODUCTS DO I NEED?

Product	SUBSTRATE CLEANER	PHOS-OUT 4 (liquid)	SPECIAL BLEND
What for?	Splits phosphate deposits and removes nitrate sources	Binds and removes phosphate in the aquarium	Converts nitrate into harmless nitrogen (denitrification)
Advantages	This lastingly removes hard to get to phosphate and nitrate sources. It also solves the "Old Tank Syndrome" problem.		
What do I have to consider?	<ul style="list-style-type: none"> <li>Remove all <b>granule-based absorbers</b> from your aquarium during use.</li> <li>Avoid adding carbon sources such as Microbe-Lift <b>NOPO Control</b> while using the <b>Substrate Cleaner</b>.</li> <li>Regular use of the <b>Substrate Cleaner</b> generally reduces the time and intensity of the clouding.</li> <li>Pay attention to a balanced feed, as too much feed can cause or promote unwanted phosphate deposits.</li> <li>After the <b>initial dosage</b> of <b>Special Blend</b>, regularly <b>carry out maintenance dosing</b> to ensure good nitrate breakdown and water biology, which in turn means <b>enough space of bacteria to settle</b>.</li> <li>When using <b>Phos-Out 4 (liquid)</b>, follow the <b>dosage information</b> and <b>instructions</b> on the product label.</li> </ul>		



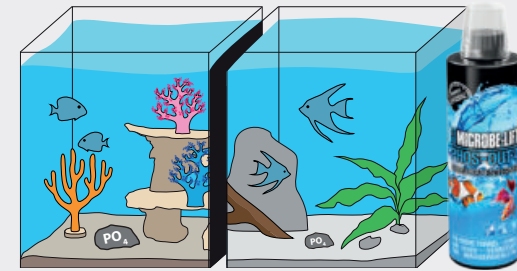
## FIGHTING PHOSPHATE DEPOSITS STEP BY STEP

A



Measure the **phosphate level** in your aquarium.

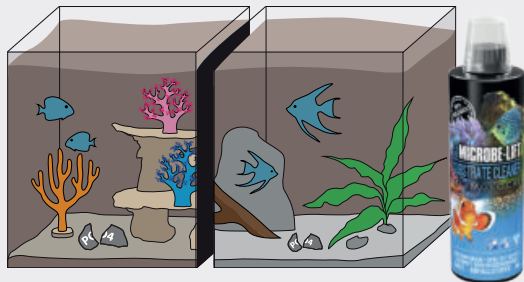
B



If the  $PO_4$  value is too high, use **Phos-Out 4 (liquid)** to bring it to „normal“ levels. This is important because the  $PO_4$  value can rise again if **any phosphate deposits break down** again.

If the  $PO_4$  value is currently in a „normal“ range, you can **skip** this step.

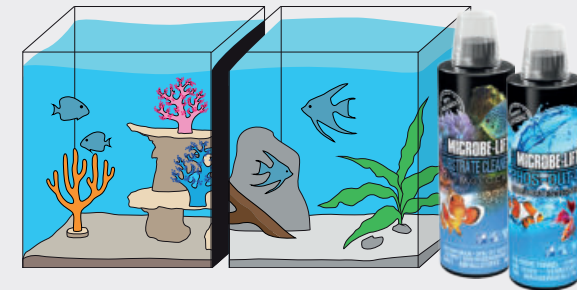
C



Measure the **phosphate level** again and make a note of it. Add 10 ml per 100 litres of water of **Substrate Cleaner** once a week.

**Please note:** The **Substrate Cleaner** will initially cause the aquarium water to cloud. This is completely normal and generally disappears **after approx. 24-72 hours**.

D

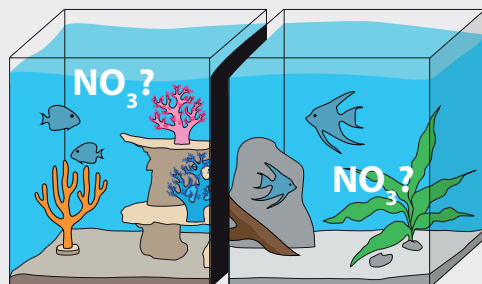


About 24 - 48 hours after the clouding has disappeared, measure the  $PO_4$  level again. If it has **increased** compared to the measurement before the clouding, this is a **sign for phosphate deposits**.

In this case, continue to alternate between adding the **Substrate Cleaner** and **Phos-Out 4 (liquid)** as explained in steps A-D. **Repeat** this process until the phosphate level is the **same** as **before** the clouding.

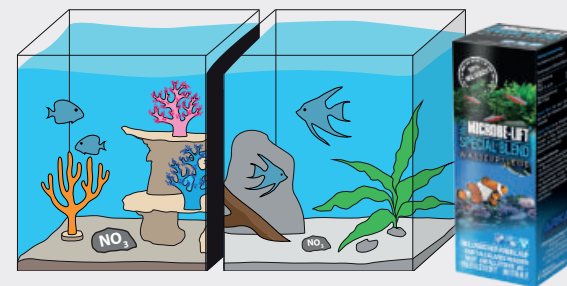
## FIGHTING NITRATE SOURCES STEP BY STEP

A



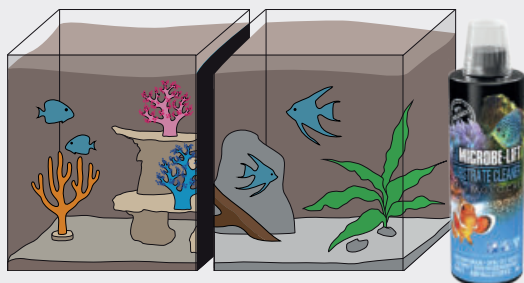
Measure the **nitrate level** in your aquarium.

B



If the **nitrate levels** are **too high**, start adding **Special Blend** according to the **initial dosage** on the packaging.

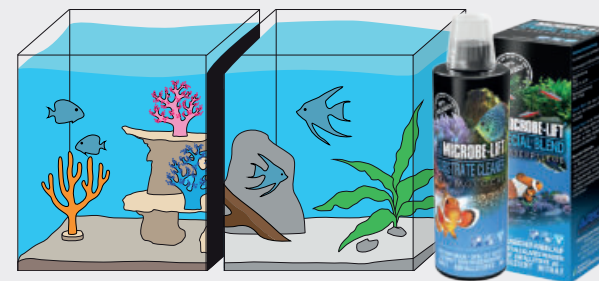
C



Measure the **nitrate level** before dosing **Substrate Cleaner** and make a note of it. Then add **10 ml to 100 litres of water**.

**Please note:** The **Substrate Cleaner** will initially cause the aquarium water to cloud. This is completely normal and generally disappears **after approx. 24-72 hours**.

D



About **24 - 48 hours** after the **clouding** has **disappeared**, measure the **NO<sub>3</sub>** level again. If it has **increased** compared to the measurement before the clouding, this is a **sign for nitrate sources**. In this case, continue to add **Substrate Cleaner** weekly as explained in Step B. **Repeat** this process until the phosphate level is the **same** has **before** the clouding.

**Special Blend** should be added according to instructions on the packaging and usage should continue once the nitrate sources have been removed.



## YOUR MICROBE-LIFT DOSING SCHEDULE

Here you will find the possibility to clearly enter the MICROBE-LIFT products you use into your individual dosing plan:

[illegible]



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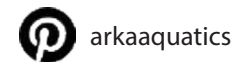
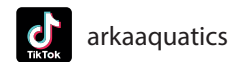
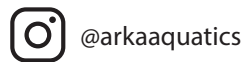
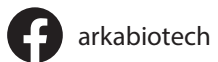
A Q U A T I C S



# ARKA<sup>®</sup>

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