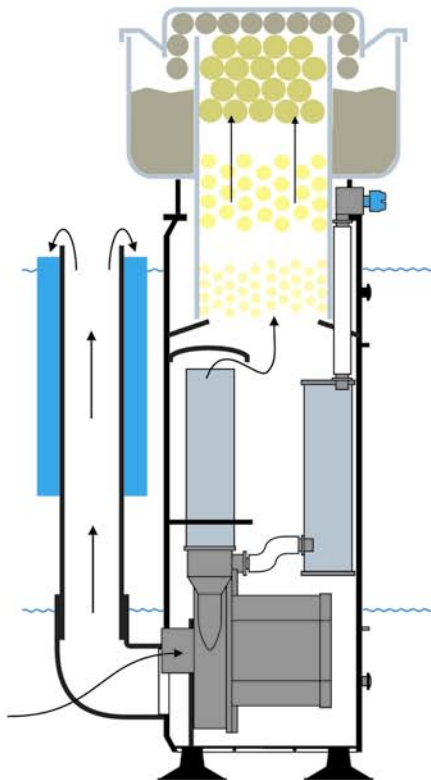


# D.O.C. Skimmer

**We supply an effective and modern protein skimmer for every marine biotope !**

Like nature, marine aquariums also produce waste substances, whereby the quantity depends on the livestock and the feeding. By means of an effective skimming system, a lot of organic waste matter, the so-called DOCs (Dissolved Organic Carbons), can be removed. The DOC skimmer removes these compounds effectively from the water circuit, better than a bio-mechanical filter, which means that by removing proteins "before" bacterial decomposition, crystal-clear water is retained and a rise in nitrate and phosphate is reduced.



## Principle

In the skimmer, the TUNZE® Hydrofoamer produces a large quantity of a mixture of 50 per cent of water and 50 per cent of fine air bubbles. Each air bubble has an active surface which binds the electrically charged DOCs (Dissolved Organic Carbons). The air water mixture is immediately transported into the middle reactor area, producing a dense foamy mass. The upper zone of the reactor is used to settle this foamy mass laden with protein, which is then removed into a special foam cup or into the foam extraction pipe. The purified water returns into the aquarium without bubbles or into the filter. By means of a special nipple, ozone can be introduced into the system, thus improving the skimming process and at the same time removing any yellowing matter in the aquarium water.

**What does my DOC Skimmer remove from the aquarium water ?**

Protein  
Cellulose  
Ammonia  
Nitrate  
Nitrite  
Phosphate  
Dead cells  
Bacteria  
Parts of algae  
Fungi  
Heavy metals



## Comline DOC Skimmer



### DOC Skimmer 9005

Recommended for aquariums up to 500 litres (132 US gal.) of salt water.

Dimensions: L125 x W113 x H378 mm (L4.9 x W4.4 x H14.8 in.)

230V/50Hz (115V/60Hz) 12 W,  
Water throughput: 800 l/h (211 US gal./h);  
air capacity: 500 l/h (132 US gal./h); skimmer  
cup volume: .4 l (.10 US gal.). Equipped for  
operation in the aquarium. For operation in  
an aquarium cabinet, use DOC Skimmer  
Extension Set 9005.40 in addition !

**9005.000**



### DOC Skimmer 9010

Recommended for aquariums up to 1,000  
litres (264 US gal.) of salt water.

Dimensions: L125 x W113 x H418 mm (L4.9  
x W4.4 x H16.8 in.)

230V/50Hz (115V/60Hz) 21 W,  
Water throughput: 1,200 l/h (317 US gal./h)  
Air capacity: 650 l/h (171 US gal./h)  
Skimmer cup volume: .7 l (.18 US gal.).

Equipped with the accessories for internal  
and aquarium cabinet operation.

**9010.000**



### DOC Skimmer 9020

Recommended for aquariums up to 2,000  
litres (528 US gal.) of salt water.

Dimensions: L125 x W226 x H460 mm (L4.9  
x W8.9 x H18.1 in.)

230V/50Hz (115V/60Hz) 42 W; water  
throughput: 2,400 l/h (634 US gal./h);  
air capacity: 1,300 l/h (343 US gal./h).

Comprises two reactors for removal of  
foaming water. Delivery in storage container  
5002.25 (can be used as skimmate collector),  
with 2 x 40 cm (2 x 15.7 in.) drain hose and  
accessories for the operation in aquarium  
cabinets. If the collector is far below the  
skimmer, we recommend 2 x 1075/2  
accessories.

**9020.000**



### DOC Skimmer 9015

Recommended for aquariums up to 1,500  
litres (396 US gal.) of salt water.

Dimensions: L125 x W113 x H478 mm (L4.9  
x W4.4 x H18.8 in.)

230V/50Hz (115V/60Hz) 21 W,  
Water throughput: 1200l/h  
(317 US gal./h)

Air capacity: 650l/h (171 US gal./h)

Skimmer cup volume: 1.4 l (.36 US gal.).  
Equipped with the accessories for internal  
and aquarium cabinet operation.

**9015.000**

## Classic DOC Skimmer

The skimmers of the Classic DOC skimmer model series operate according to the horizontal rotation principle of the first generation, supplemented with the newly developed air production system of the Hydrofoamer. This TUNZE® invention of contact skimming makes sure that no living plankton is drawn into the pump circulation.



### DOC Skimmer 9205

For aquariums of up to 500 litres (132 US  
gal.)

Dimensions: L280 x W157 x H195 mm  
(L11 x W6.1 x H7.7 in.)

Installation depth: approx. 60 to 90 mm  
(2.3 to 3.5 in.)

230V/50Hz (115V/60Hz) 12 W,  
Air capacity: 500 l/h (132 US gal./h)

**9205.000**



### DOC Skimmer 9210

Recommended for aquariums up to 1,000  
litres (264 US gal.) of salt water.

Dimensions: L280 x W157 x H235 mm  
(L11 x W6.1 x H9.2 in.)

Installation depth: approx. 60 to 90 mm  
(2.3 to 3.5 in.)

230V/50Hz (115V/60Hz) 21 W,  
Air capacity: 650 l/h (171 US gal./h)

**9210.000**