



TUNZE
Aquatic Eco Engineering



COMLINE[®] DOC SKIMMER 9001 9004 9012

In 1963 TUNZE[®] invents the first **contact skimmers**

In 2021 the Comline[®] DOC Skimmers get a new, innovative **silencer**

The Comline[®] DOC Skimmers 9001, 9004 and 9012 have been number 1 on the internal skimmer market since the invention of contact skimming!

The highly efficient technology of these compact aquarium components is ultra-functional with clearly defined lines and offers more power in the smallest possible space than comparable devices. With the Comline[®] DOC Skimmers it is not necessary to hide the aquarium technology in the aquarium, it becomes part of the aquarium, gives it visual calm and is much more efficient than external devices.

The Comline[®] DOC Skimmers 9001, 9004 and 9012 are factory-fitted as contact skimmers, i.e. the water in the skimmer circulates in a closed circuit. Consequently, on the two contact surfaces above and below the Comline[®] DOC Skimmer, the protein replenishment from the aquarium is automatically performed by the molecular equalization pressure, that is to say by diffusion. This TUNZE[®] contact skimming process ensures that almost no living plankton is drawn into the pump circuit, but only pure protein. This guarantees a certain amount of important substances and carbon at the disposal of the animals in the biotope.

Nice side effect: In aquariums with strongly foaming water, contact skimming prevents the formation of bubbles at the outlet of the skimmer. Comline[®] DOC Skimmers can also be modified to countercurrent skimmers with surface suction at any time.

The popular Comline[®] DOC Skimmers 9001, 9004 and 9012 become even quieter and more sophisticated in terms of design by the innovative 2021 product upgrade with the new TUNZE[®] silencer.

The silencer housing is made of solid, extremely break-proof polycarbonate together with a sound-absorbing foam, which effectively eliminates the noise of the bursting air bubbles when the air is sucked in. The air can pass freely around the foam at any time, so the intake cannot clog at all.

In the non-electronic models, the air adjustment wheel regulates the air supply simply and efficiently.

The highlight: In contrast to its predecessor, which was left hanging freely behind the aquarium pane and possibly got in the way during maintenance work, the silencer is attached directly to the outer magnet holder of all three skimmers with one click and is therefore practical and elegantly tidy.

COMLINE[®]

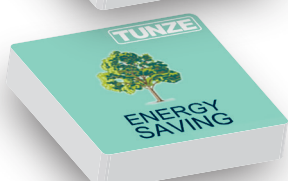
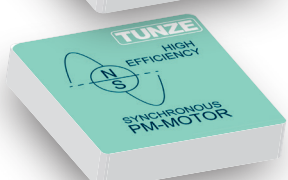
Impressively minimalistic DOC SKIMMER 9001

Simple, quiet and effective – these are the current demands towards aquarium components. That is precisely what distinguishes the small Comline[®] DOC Skimmer 9001 – a true “plug and play” skimmer for small seawater aquariums with 20 to 140 liters (5.3 to 37 USgal.). There is no complicated setting or regular adjustment required for the operation. A simple installation into a corner of the aquarium is sufficient and it will work autonomously.

Comline[®] DOC Skimmer 9001
Recommended from 20 to 140 liters (5.3 to 37 USgal.) of sea water.
Immersion depth:
approx. 135 - 155 mm (5.3" - 6.1")
Skimmer cup volume: 0.2 liters (.05 USgal.)
Air capacity: approx. 100 l/h (26 USgal./h)
Energy consumption:
2.5 W, 230V/50Hz (115V/60Hz)
Dimensions (L x W x H):
110 x 63 x 215 mm (4.3" x 2.5" x 8.5")
Magnet Holder for glass thickness of up to 10 mm (3/8").



Comline[®] DOC Skimmer 9001 DC
Recommended from 20 to 160 liters (5.3 to 42.3 USgal.) of sea water.
Immersion depth:
approx. 135 to 155 mm (5.3" - 6.1")
Skimmer cup volume: 0.2 liters (.05 USgal.)
Air capacity: approx. 150 l/h (39.6 USgal./h)
Energy consumption: approx. 5 W (max. 8 W)
Power supply unit: 100-240V / 50-60Hz
Cable length:
3 m (118.1") up to the Turbelle[®] controller
Dimensions (L x W x H):
110 x 63 x 215 mm (4.3" x 2.5" x 8.5")
Magnet Holder for glass thickness of up to 10 mm (3/8").



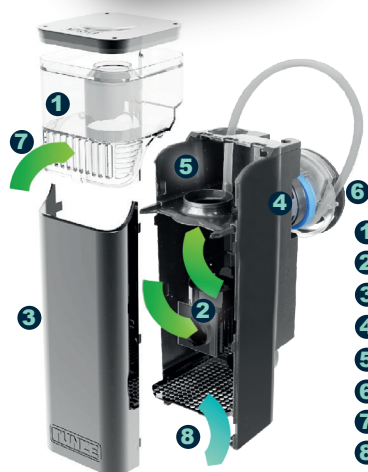
DOC SKIMMER 9004

The Comline[®] DOC Skimmer 9004 is designed for use in seawater up to 250 liters (66 US gal.). It operates according to the TUNZE[®] flash skimming principle and acquires the water through an efficient surface suction with a surface film removal, and can therefore also be used as a “stand-alone” solution in the aquarium. The TUNZE[®] Foamer generates large volumes of fine air bubbles with a diameter of between .1 and .3 mm (.004" - .012") and is especially quiet during operation. The Comline[®] DOC Skimmer with a magnet holder for glass up to a thickness of 12 mm (1/2") is supplied installation-ready.

Comline[®] DOC Skimmer 9004
Recommended, depending on tank load, from 60 to 250 liters (15 to 65 USgal.) of sea water.
Immersion depth:
approx. 225 to 245 mm (8.9" to 9.7")
Skimmer cup volume: 0.2 liters (.05 USgal.)
Air capacity: approx. 150 l/h (40 USgal./h)
Energy consumption:
4 W, 230V/50Hz (115V/60Hz)
Dimensions (L x W x H):
110 x 90 x 305 mm (4.3" x 3.5" x 12")
Magnet Holder up to a glass thickness of 12 mm (1/2").



Comline[®] DOC Skimmer 9004 DC
Recommended, depending on tank load, from 60 to 300 liters (15 to 79 USgal.) of sea water.
Immersion depth:
approx. 225 to 245 mm (8.9" - 9.7")
Skimmer cup volume: 0.2 liters (.05 USgal.)
Air capacity: approx. 200 l/h (52.8 USgal./h)
Energy consumption: approx. 5 W (max. 10 W)
Power supply unit: 100-240V / 50-60Hz
Cable length:
3 m (118.1") up to the Turbelle[®] controller
Dimensions (L x W x H):
110 x 90 x 305 mm (4.3" x 3.5" x 12")
Magnet Holder up to a glass thickness of 12 mm (1/2").

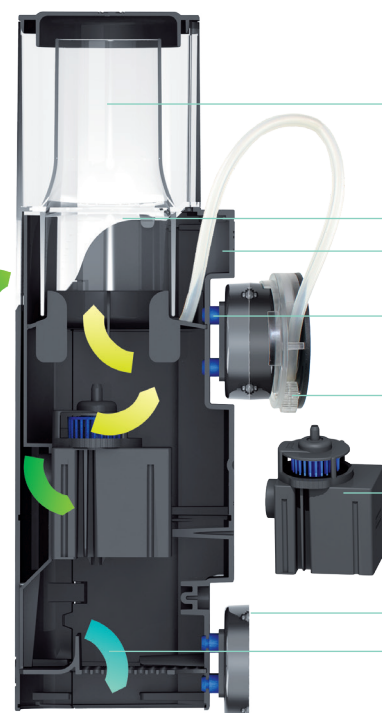


- 1 Skimmer cup, 0.2 liters (.05 USgal.), also accommodates the foam reactor, easy to remove.
- 2 TUNZE[®] Foamer 9004.040, high air output and low energy consumption.
- 3 Comline[®] Design: comfortable use, elegant and unobtrusive in the aquarium.
- 4 Attachment with a patented magnet holder for a glass thickness of up to 12 mm (1/2").
- 5 Intermediate chamber with a patented anti-overfoaming system.
- 6 Air flow regulation and silencer for an exceptionally quiet operation.
- 7 Surface intake with bacteria film removal.
- 8 Bubble-free outgoing water.

COMLINE®

Impressively minimalistic DOC SKIMMER 9012

The large Comline® DOC Skimmer 9012 is designed for use in mixed seawater aquariums / soft coral aquariums from 200 to 1,200 liters (53 to 317 USgal.), or for sensitive reef biotopes with hard corals up to 500 liters (132 USgal.). It operates according to the TUNZE® flash skimming principle and acquires the water through an efficient surface suction with a surface film removal, and can therefore also be used as a "stand-alone" solution in the aquarium. The TUNZE® Foamer generates large volumes of fine air bubbles with a diameter between .1 and .3 mm (.004" - .012") and is especially quiet during the operation. Silicone buffers on the skimmer prevent the transfer of vibrations to the aquarium glass pane. The Comline® DOC Skimmer with a Magnet Holder for glass up to a thickness of 15 mm (2/3") is delivered installation-ready.



The skimmer cup with a capacity of 0.7 liters (0.18 USgal.) also contains the foam reactor, which can be easily removed.

Intermediate chamber with a patented anti-overfoaming system.

Surface suction with surface film removal.

Silicone buffers on the skimmer prevent the transfer of vibrations to the aquarium glass pane.

Air flow regulation and silencer for an exceptionally quiet operation.

TUNZE® Foamer 9012.040, high air flow performance and low energy consumption.

Attachment with a patented Magnet Holder for a glass thickness of up to 15 mm (2/3").

Bubble-free outgoing water.

Comline® DOC Skimmer 9012 DC

Recommended, depending on tank load, from 200 to 1,200 liters (53 to 317 USgal.) of sea water.
Immersion depth: approx. 255 to 285 mm (10 to 11")
Skimmer cup volume: 0.7 liters (0.18 USgal.)
Air capacity: approx. 450 l/h (118.9 USgal./h)
Energy consumption: approx. 17 W (max. 21 W)
Power supply unit: 100-240V/50-60Hz
Cable length: 3 m (118.1 in.) up to the Turbelle® control
Dimensions (LxWxH): 140x110x415 mm (5.5"x4.3"x16.3")
Silence Magnet Holder up to a glass thickness of 15 mm (2/3").



Comline® DOC Skimmer 9012

Recommended, depending on tank load, from 200 to 1,200 liters (53 to 317 USgal.) of sea water.
Immersion depth: approx. 255 to 285 mm (10 to 11")
Skimmer cup volume: 0.7 liters (0.18 USgal.)
Air capacity: approx. 400 l/h (105 USgal./h)
Energy consumption: 13 W, 230V/50Hz (115V/60Hz)
Dimensions (LxWxH): 140x110x415 mm (5.5"x4.3"x16.3")
Silence Magnet Holder up to a glass thickness of 15 mm (2/3").

Skimmer cup holiday 9004.145

For DOC Skimmer 9004, with appropriate hose connection and 2 m (78.7") silicone hose. Provides the accumulation of significantly larger quantities of foam, e.g. in a bucket, cup or directly into the drain. For aquariums during holiday/vacation, for professional systems, larger aquariums, etc.

Skimmer cup holiday 9012.145

For DOC Skimmer 9012, with appropriate hose connection and 2 m (78.7") silicone hose. Provides the accumulation of significantly larger quantities of foam, e.g. in a bucket, cup or directly into the drain. For aquariums during holiday/vacation, for professional systems, larger aquariums, etc.

