

SpongeLoop Filter

Special filter for simulating the sponge loop



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The SpongeLoop filter 250



Special filter material for the settlement
of cryptic sponges

The so-called sponge loop describes the biochemical combination of corals and sponges. Corals release daily dissolved organic substances (DOC) into the water, which can hardly be used by other reef organisms. This coral slime is absorbed by hidden living sponges and converted into particulate compounds (POC). These particles in turn are available again to other filtering organisms - including other corals - and stabilize the aquarium biocoenosis (living community).

AquaCare has developed the SpongeLoop filter for aquariums that are sparsely equipped with reef ceramics, live rocks or perforated rocks and can therefore hardly colonise hidden sponges.

The water flows from bottom to top through a special filter material, which is colonized over time with hidden (cryptic) living sponges. It is important that the flow rate remains constant. A flow meter is installed in the inlet for monitoring purposes. The outlet of the filter should be led directly back into the aquarium and not into the skimmer. An inoculation with fresh living rock (sponge larvae) is necessary to colonize the filter.

Technical data of the AquaCare SpongeLoop filters **SL110**:

Type	SL110-50	SL110-70	SL110-100
Diameter in mm	110		
Maximum aquarium size in litres	270	400	600
Optimum flow in l/h	85		
Total height in cm*	50	70	100
Necessary height in cm	+5 cm		
Usable volume in liters	3.4	5.1	7.6
Footprint width × depth in cm	21 × 15		
Empty weight in kg			
Erection	External, in filter sump, with Hang-On bracket on the aquarium or filter tank, with wall brackets on a wall		
Materials	PVC grey (light-proof), NBR, silicone, PE, PA		
Connectors	16 mm nozzle or PVC union d20		
Drain valve	6 mm (for "reverse osmosis hose")		

Technical data of the AquaCare SpongeLoop filters **SL160:**

Type	SL160-50	SL160-70	SL160-100
Diameter in mm	160		
Maximum aquarium size in litres	580	890	1300
Optimum flow in l/h	190		
Total height in cm*	50	70	100
Necessary height in cm	+5 cm		
Usable volume in liters		11.1	16.9
Footprint width × depth in cm	37 × 32		
Empty weight in kg			
Erection	External, in filter sump		
Materials	PVC grey (light-proof), NBR, silicone, PE, PA		
Connectors	16 mm nozzle or PVC union d20		
Drain valve	13 mm nozzle		

Technical data of the AquaCare SpongeLoop filters **SL250:**

Type	SL250-50	SL250-100	SL250-150
Diameter in mm	250		
Maximum aquarium size in litres	1100	1800	2900
Optimum flow in l/h	450		
Total height in cm*	50	100	150
Necessary height in cm	+5 cm		
Usable volume in liters	13.6	22.7	36.3
Footprint width × depth in cm	37 × 32		
Empty weight in kg	9.5	10.5	11.5
Erection	External, in filter sump		
Materials	PVC grey (light-proof), NBR, silicone, PE, PA		
Connectors	20 mm nozzle or PVC union d25		
Drain valve	PVC d20		