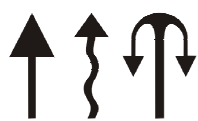


# POC Filter (Pellet Filter)



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- Nitrate & phosphate removal without control technology
- produces bacterioplankton
- easy and safe to use



The filter material consists of a polymer that can be slowly degraded by bacteria. This material is **particulate organic carbon** - the abbreviation for this is POC. During the degradation process, these micro-organisms **absorb nitrogen as nitrate and phosphorus as phosphate** and can remove them from the water. The excess bacteria serve as **bacterioplankton** (in ultra-low-NP aquariums) when the filter drain is returned to the aquarium. In aquariums with too much nitrate and phosphate, the filter drain should be directed into the skimmer inlet to remove the bacteria containing the bound nitrate and phosphate.

The biopolymer POC+Globuli dissolves completely and only needs to be refilled every few months.

## Technical data of the AquaCare pellet filter **POC 50 ... POC 70:**

Size	POC 50			POC 70		
Order number	POC50-40	POC50-70	POC50-100	POC70-45	POC70-70	POC70-100
Diameter in mm	50			70		
Total size in cm*	40	70	100	45	70	100
Necessary height in cm	+ 5 cm					
Usable volume in litres	0.5	1.0	1.5	1.1	1.9	2.7
max. aquarium size in litres, approx. **	250	500	750	530	900	1300
Flow in l/h***	25			45		
footprint width × depth in cm	14 × 10			18 × 14		
Total weight in kg	1.1	1.5	1.8	1.9	2.5	3.2
Erection	External, in the filter sump, with Hang-On holder to the aquarium or filter tank, with wall holders to a wall					
Materials	PMMA (Acrylic glass), NBR, silicone, PVC, PA					
Connectors**	G1/4" - 8 mm			20 mm PVC Fittings, 12 mm hose nozzle		
Drain valve	Mounting possible					
Base model	Multi Function Filter MF <sub>2</sub> 50			PMMA empty filter 70		
Substrate: AquaCare POC+Globuli	1 litre: Glo-Poc-010					

\* Special heights are possible

\*\* larger filters can also be used - the ideal size depends very much on the aquarium type

\*\*\* when using AquaCare-POC+Globuli

## Technical data of the AquaCare pellet filter **POC 100 ... POC 150:**

Size	POC 100			POC 150		
Order number	POC-100-50 POC-100-70 POC-100-100			POC-150-50 POC-100-70 POC-100-100		
Diameter in mm	100			150		
Total size in cm*	50	70	100	50	70	100
Necessary height in cm	+ 5 cm					
Usable volume in litres	2.5	3.8	5.8	5.4	8.5	13.3
max. aquarium size in litres, approx. **	1200	1900	2900	2700	4300	6600
Flow in l/h***	100			240		
footprint width × depth in cm	21 × 14			26 × 20		
Total weight in kg	3.0	6.8	8.8	6.8	8.8	12
Erection	External, in the filter sump, with Hang-On holder to the aquarium or filter tank, with wall holders to a wall					
Materials	PMMA (Acrylic glass), NBR, silicone, PVC, PA					
Connectors**	20 mm PVC fittings, 16 mm hose nozzle			25 mm PVC fittings		
Drain valve	G1/4"-6/4			1/2"-16		
Base model	PMMA empty filter					
Substrate: AquaCare POC+Globuli	1 litre: Glo-Poc-010					

\* Special heights are possible

\*\* larger filters can also be used - the ideal size depends very much on the aquarium type

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## Technical data of the AquaCare pellet filter **POC 250 ... POC 300:**

Size	POC 250		POC 300		
Order number	POC250		POC-300-500 POC -300-1000 POC -300-1500		
Diameter in mm	250		300		
Total size in cm*	100		50	100	150
Necessary height in cm	+5 cm				
Usable volume in m <sup>3</sup>	24		19	52	85
max. aquarium size in m <sup>3</sup> , approx. **	12		9.4	22	44
Flow in m <sup>3</sup> /h***	0.7		1.0		
footprint width × depth in cm	43 × 37		52 × 40		
Total weight in kg					
Erection	External, in the filter sump				
Materials	PVC (transparent), PVC, NBR, ABS		PMMA (Acrylic glass), NBR, silicone, PVC, PA		
Connectors**	32 mm PVC fittings		40/50 mm PVC fittings		
Drain valve	PVC20		1/2"-16		
Base model	PVC empty filter		PMMA empty filter		
Substrate: AquaCare POC+Globuli	1 litre: Glo-Poc-010				

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\*\*\* when using AquaCare-POC+Globuli

