

# Smart Filter



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AquaCare small filter for filling with different materials



The smart filter is completely demountable

Small filters are needed for the smallest aquariums (nano aquariums). But small filters can also serve well for special applications for large aquariums; e.g. small gas filters in the intake flow before skimmers, which remove the CO<sub>2</sub> in the air and thus raise the pH value in the aquarium.

The Smart-Filter series is pressure-resistant and can therefore also be used for special filters in reverse osmosis systems.




The small filters (KLFI) with a diameter of 32 mm can be used as particle filters, drop

counters or bubble counters. Small particle filters are particularly practical when mounted in front of adjustment valves for bypass systems (lime reactors, nitrate filters). At very low flow rates, adjustment valves quickly become clogged, so that the set water volume continuously decreases. The small filter prevents clogging of the valve for several weeks to months.

Size	Smart Filter 200	d32 Small Filter
Order number	Smart-200	KLFI-xxx
Volumen	190 ml	70 ml
Connectors	G1/4" female thread	
Materials	SAN, PP, silicone	PVC, PA, PE
Outer diameter	d50	d32
Totale lenght (without fitting)	260 mm	140 mm
Maximum pressure	6 bar	

Ready made small filters	Order number
Activated carbon filter: max. 100 liters aquariums; as skimmer air pre-filter max. 400 liters aquariums.	Smart-200-AK
CO <sub>2</sub> adsorber: max. 100 liters aquariums	Smart-200-CO2
Air dryer modules: max. 280 liter, max. 11 mg/h ozone output	Smart-200-LTM
Mixed bed resin filter for reverse osmosis systems: max. 0.2 l/h	Smart-200-MB
Nitrate resin filter only for freshwater: max. 100 liters aquariums	Smart-200-NO3
Phosphate filter: max. 100 liters aquariums	Smart-200-PO4
Particle filter with 4 mm nozzles	KLFI-001
Particle filter with 6 mm push fitting	KLFI-002
Particle filter with 10 mm push fitting	KLFI-004
Particle filter with 6 mm valve (push-fit)	KLFI-003
Small filter as silencer PA nozzle	KLFI-005
Small filter with 1 liter volume, diameter d75 mm, fittings as desired	KLFI-044

The Smart Filter series is supplied complete with two holders and fixing screws. For the KLFI small filter there are 32 mm wall brackets and special brackets for direct attachment to other pipes.

Accessories		Order number
Holder for Smart-Filter-200		UV-6a
d32 mm wall bracket from PE		770-032
Double pipe clamp for small filter		Filterclip-40 Filterclip-50 Filterclip-63 Filterclip-70 Filterclip-100 Filterclip-110 Filterclip-150