

Empty filter based on the MultiFunctionFilter MF₂



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The MF₂-50 MultiFunctionFilter

The MF₂ multifunctional filter can also be used as an empty filter for any filter material. The scope of delivery consists of the actual filter made of high-quality acrylic glass, matching connections and accessories for the operating modes: up-stream, downstream, fluid bed and circulation filter.

The MF₂ filters are available in different diameters - special lengths are also possible.

And if you no longer need the MF₂ fluidized bed filter, you can convert the filter for other applications with just a few additional parts! The complete possibilities of the MF₂ filter can be found at <http://aquacare-shop.de/MF2-EN>

Technical data of the MF₂ Filter:

Type	MF ₂ 50	MF ₂ 70
Order number	MF2-050-x	MF2-070-x
Diameter in mm	50	70
maximum flow in l/h*	90	180
Height in cm**	40 (70; 100)	45 (70; 100)
Necessary height in cm		+5
Usable volume in litres	0.5 (1.0; 1.5)	1.2 (2.0; 3.1)
Footprint width × depth in cm	14 × 10	16 × 12
Empty weight in kg	0,7	
Erectoin	External, in the filter sump, with Hang-On bracket to the aquarium or filter basin, with wall brackets to a wall	
Temperature range	-2...80°C	
Materials	PMMA (acrylic glass), NBR, silikon, PVC	
Connectors	8 mm	10 mm
Drain valve	can be installed: G1/4" female thread	

* extremely dependent on the filter material used

** special heights are possible

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Empty filter for different filter materials



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Empty filter 75 made of PVC and d100 in different heights

Empty filters are an important component for creating an individual filter system. AquaCare offers a range of empty filters suitable for a wide variety of substrates. Special heights can be manufactured by AquaCare at any time.

The advantages of the AquaCare empty filters:

- screens at the bottom and at the top
- different screens are possible (not size 75)
- upflow, downflow, moving bed and trickling filter are possible
- rigid construction
- auxiliary connections are possible
- probe connectors are possible

Technical data of the AquaCare empty filters: d70 and d100

Size	Filter 75	Filter 100
Order number	370-075	PMMA-100-50 PMMA-100-70 PMMA-100-100
Flow in l/h*	370	700
Diameter in mm	75	100
Useful volume in litre	1.3	2.5 3.8 5.8
Max. operation pressure (at upper edge of filter)	0.1 bar (1 metre water column)	
Placement	External, in the filter sump, hang-on or wall brackets	
Total height in cm** (without venting valve)	45	55
Necessary height in cm**	47	57
Foot print size wide × depths in mm	190 × 140	210 × 160
Size of screen	0.2 mm	option: 15, 8, 4, 2 mm or 200, 150, 100, 50, 25, 15, 6 µm oder Fließbetteinsatz (Wirbelbett)
Materials	PVC, ABS, PMMA, PA, silicone, NBR	
Connectors	d20 or nozzle 16	
Drain	non	valve 6/4
Total weight in kg	1.2	1.7 1.9 2.3
Possible substrates	all granular materials are possible	

* depending on filter material and screen, ** special heights are possible

Technical data of the AquaCare empty filters: d150 to d300

Size	Filter 150	Filter 250	Filter 300
Order number	PMMA150-50 PMMA150-70 PMMA150-100	370-250	PMMA300-50 PMMA300-100 PMMA300-150
Flow in l/h*	1600	4500	6600
Diameter in mm	150	250	300
Useful volume in litre	5.5 8.7 13.4	40	22 l 55 l 88 l
Max. operation pressure (at upper edge of filter)	0,1 bar (1 m WS)		
Placement	External or in the filter sump (Hang-On and wall bracket only for filter 150)		
Total height in cm** (without venting valve)	50 70 100	100	50 100 150
Necessary height in cm**	+ 5 cm		
Foot print size wide × depths in mm	310 × 220	370 × 300	500 × 380
Size of screen	selectable: 15, 8, 4, 2 mm or 200, 150, 100, 50, 25, 15, 6 µm or moving bed screen		
Materials	PVC/PMMA, silikone, NBR		
Connectors	d25	d32	d40
Drain	valve 6/4	valve d20	valve 16
Total weight in kg	3.9 4.2 4.7	20	13 16 19
Possible substrates	all granular materials are possible		

* depending on filter material and screen, ** special heights are possible

For larger systems AquaCare manufactures filters with diameter up to 2400 mm.

