

External overflow

ExFlow



www.aquacare.de
AquaCare GmbH & Co. KG
www.aquacare-shop.de

www.aquacare-shop.de • e-mail: info@aquacare.de

- simple assembly
- noiselessly adjustable
- very insensitive to dirt
- emergency operation in case of extremely dirty sieves
- Emergency overflow in the external part and possibility of switching off the circulation pump for maximum safety
- readable real flow rate
- flow-optimized transfer tube



If aquariums with internal filter technology are to be retrofitted with a technical tank, either holes must be drilled in the aquarium or an external overflow must be attached.

The AquaCare *ExFlow* has been designed for this purpose. During development, special attention was paid to safety: long jump-proof overflow grids, a large filter surface, a flow-optimised transfer tube and an emergency overflow in the external chamber ensure maximum safety. In addition, a float switch can be installed in the internal part of the *ExFlow*, which switches off the circulation pump when the maximum aquarium water level is exceeded.

The *ExFlow* is simply hooked onto the side or rear pane, fixed with fixing screws, drain and emergency overflow installed. We recommend the use of an angle seat control valve or diaphragm valve to adjust the outlet water - this allows whisper-quiet operation.

The AquaCare *Exflow* can compensate one malfunction (extremely dirty sieves, wrongly adjusted outlet, or too high inlet water flow). However, a combination of failures may result in malfunction, so we strongly recommend checking the water level in the aquarium and switching off the circulation pump if necessary.

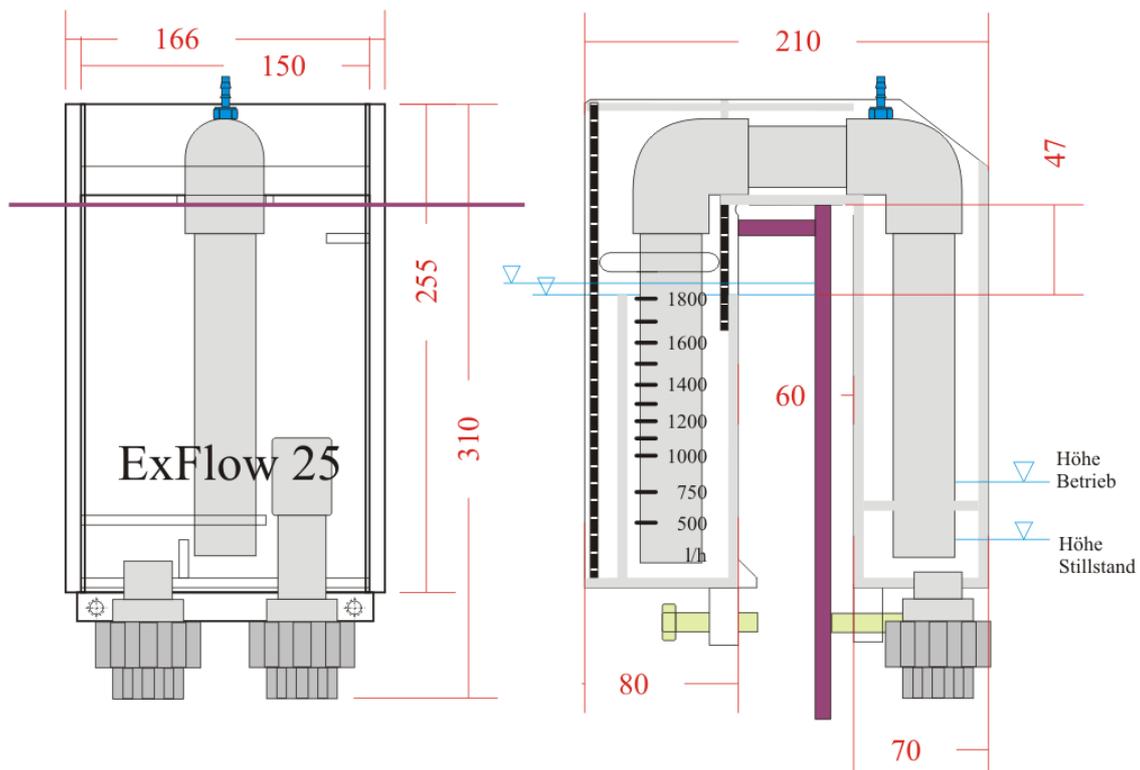
Technical data of the AquaCare *ExFlow*:

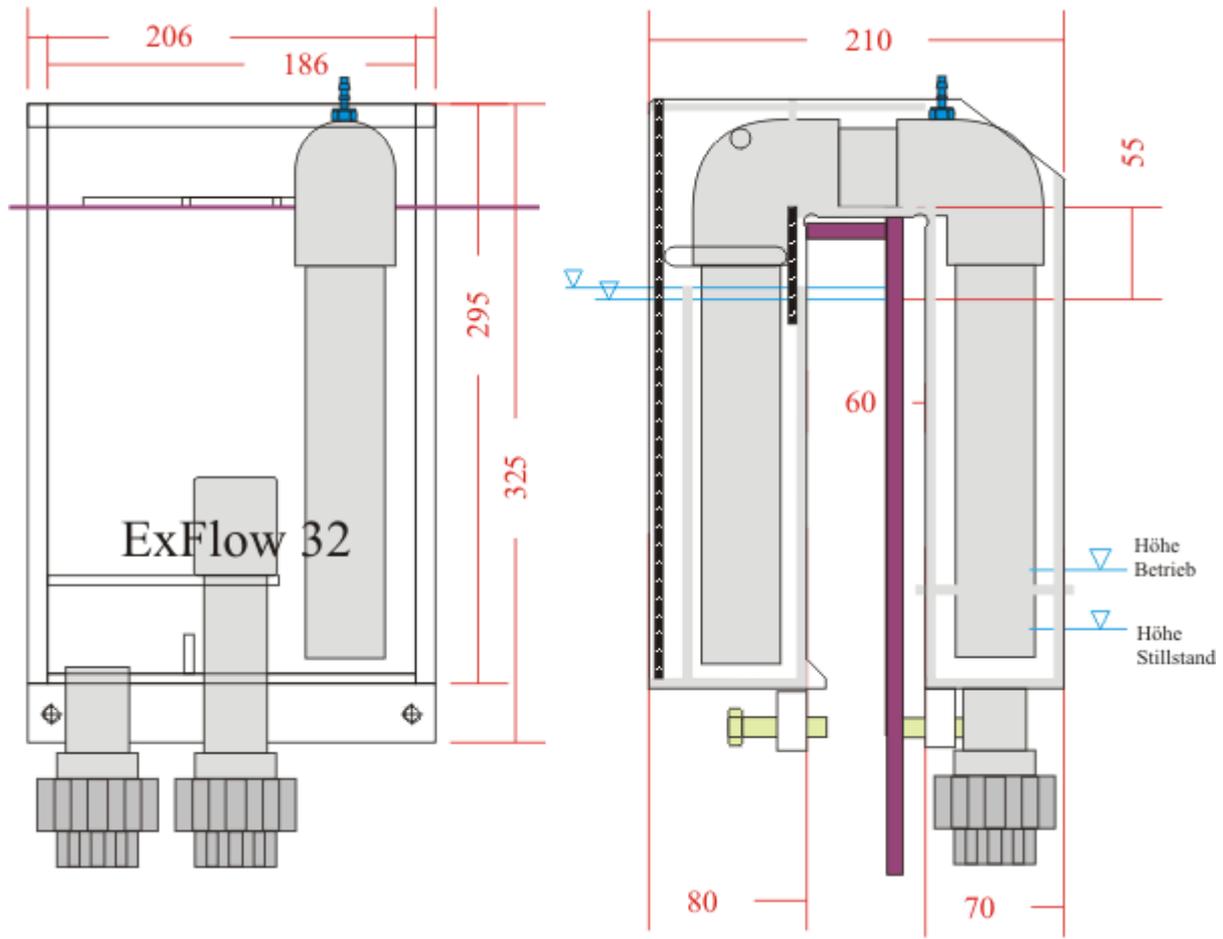
Size	ExFlow 25	ExFlow 32	ExFlow 40
Minimum volume flow	1100 l/h *	1600 l/h	
Maximum volume flow	1800 l/h *	2800 l/h	
Maximum aquarium size	360 l	560 l	
Width	166 mm	206 mm	
Depth in aquarium without bar (side pane)	90 mm		
Depth in aquarium with bar (rear pane), maximum	140 mm		
Maximum bar width (including aquarium glass thickness)	55 mm		
Depth on the back side without bar, maximum	120 mm		
Depth on the back with web, minimum	70 mm		
Total height of the <i>ExFlow</i> on the aquarium side	255 mm	292 mm	
immersion height of the <i>ExFlow</i> from the top of the aquarium	200 mm	240 mm	
Height above aquarium pane	55 mm	60 mm	
Water level in the aquarium outside of operation	55 mm		
Water level in aquarium at full load	45 mm		
Buildup height (difference water level "in operation" - " out of operation")	typical 8 mm max. 10 mm		
Triggering of the optional float switch or water level if the discharge is set too low (activated emergency overflow)	25 mm		
Width of filter combs	5 mm		
Width of the filter comb passages	5 mm		
Number of filter combs	1 × back, 1 × front		
Total length of the filter combs	292 mm		
Transfer tube diameter	d32 *	d40	d50
Connections drain and emergency overflow	PVC 25	PVC 32	
Minimum drop depth of the drain pipe at full load (measured from aquarium water surface to water surface of filter tank)	80 cm		
Flow scale	750-1800 l/h		

* lower volume flows can be achieved with smaller transfer tubes:

d25: 600-1000 l/h; d20: 400-650 l/h (for a 20 mm transfer tube we recommend to reduce the discharge of the *ExFlow* to d20)

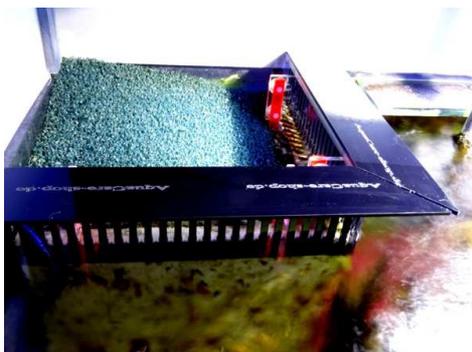
Dimensioned sketches of the AquaCare *ExFlow*:





Pluggable overflow comb

The overflow comb of AquaCare **must not be glued to the overflow shaft of an aquarium**. The plug system can be adapted to the thickness of the aquarium glass and can be mounted and dismantled quickly. The overflow comb can be equipped with a **removable cover** and thus **largely prevents algae growth** between the comb gaps. Thus the water level in the aquarium remains constant. - The cover is about 40 mm in front, so that it is much less likely that fish will jump over the comb into the overflow shaft.



Corner and centre shaft solutions



the two-part overflow comb