

Auxiliary Membrane Filtration Equipment

Alfa Laval Flow Meters

6.5

Application

Flow meters are ideal for measuring feed, permeate, retentate, and diawater flows in membrane filtration modules and plants. The flow meters are made in a hygienic design. All materials comply with FDA regulations, and all product wetted parts are made of stainless steel (AISI 316L) and polysulphone. For float materials, please refer to the table overleaf.

Working principle

A float is elevated in the tapered glass metering tube in proportion to the fluid flow. Readings are taken from the scale on the metering tube. The scale shows the flow as a percentage of maximum flow (100% = max. flow). Different floats can be used with the same flow meter, thus making it possible to use it for a number of flow ranges.

Options

Flow meters for higher flow.



Technical data

Temperature range: 0-100°C
 Max. pressure: 1.6 MPa (16 bar)



PHYSICAL DATA

Measurements

Code no.	Connection (A) Clamp diam.(mm)	Length (B) (mm)	Weight (kg)
103408	38	430	1.20
517112	38	430	1.50
103412	38	430	2.25
103415	38	430	3.00
103410	51	430	2.20
103414	51	430	3.15



Flow meter tube

Flow meter tube		Float				
Code no.		Code no.	l/h	Material	Weight (g)	Diam.(mm)
103408	DN25	103474	60 - 640	Polypropylene, black	45.8	25.5
		103477	40 - 600	PVC	48.2	35.3
517112	DN32	103478	150 - 1,600	Polypropylene, white	126.0	35.3
		103479	200 - 2,500	Stainless steel	259.9	35.3
103410		531655	200 - 2,500	Polypropylene, white	255.0	54.1
	DN50	103481	400 - 4,000	Polypropylene, white	454.0	54.1
103412		103482	600 - 6,300	Stainless steel	936.0	54.1
103414	DN65	103484	1,000 - 13,000	Polypropylene, white	820.0	66.2
103415	DN65	103473	2,000 - 20,000	Stainless steel	1,714.0	66.2

Product code: 5620

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Item No.	PPL EUR	Description
Flow Meter		
103408	938	Flow meter, DN25, clamp dia. 38
517112	921	Flow meter, DN32, clamp dia. 38
103410	1104	Flow meter, DN50, clamp dia. 38
103412	1104	Flow meter, DN50, clamp dia. 51
103414	1630	Flow meter, DN65, clamp dia. 51
103415	1630	Flow meter, DN65, clamp dia. 38
Flow meter glass		
103463	274	Flow meter glass, DN25
517109	361	Flow meter glass, DN32
103465	494	Flow meter glass, DN50
103464	802	Flow meter glass, DN65
Float		
103474	134	Float, DN25, cap 60-640 lph
103477	220	Float, DN32, cap 40-600 lph
103478	178	Float, DN32, cap 150-1600 lph
103479	146	Float, DN32, cap 200-2500 lph
103480	436	Float, DN50, cap 200-2500 lph
103481	404	Float, DN50, cap 400-4000 lph
103482	354	Float, DN50, cap 600-6300 lph
103484	572	Float, DN65, cap 1-13 m ³ ph
103473	500	Float, DN65, cap 2-20 m ³ ph
O-ring for flow meter glassTE16B132-5		
517127	4	O-ring for flow meter glass, DN25, dia. 32.5 x 3.5
517111	5	O-ring for flow meter glass, DN32, dia. 46 x 3.5
517128	8	O-ring for flow meter glass, DN50, dia. 69 x 3.5
517129	15	O-ring for flow meter glass, DN65, dia. 86 x 4