



Flow Meters for Membrane Filtration Systems

Flow meters

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 sanitary 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.



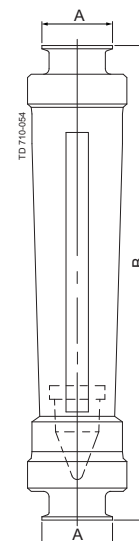
Technical data

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
517112	DN32	103477	40 - 600	PVC	48.2	35.3
		103478	150 - 1,600	Polypropylene, white	126.0	35.3
103410	DN50	103479	200 - 2,500	Stainless steel	259.9	35.3
		103480	200 - 2,500	Polypropylene, white	255.0	54.1
103412	DN50	103481	400 - 4,000	Polypropylene, white	454.0	54.1
103414		DN65	103482	600 - 6,300	Stainless steel	936.0
	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

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