



Alfa Laval Flow Meters

Auxiliary Membrane Filtration Equipment

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

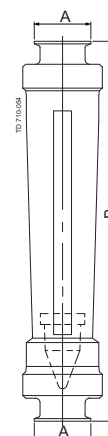
Max. pressure: 1.6 MPa (16 bar)



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			Float			
Code number	Connection (A) (mm)	Nominal size	Code number	Measuring range (water) (l/h)	Material	Weight (g)
103408	38	DN25	103474	60 – 640	Polypropylene, black	45.8
			103477	40 – 600	PVC	48.2
517112	38	DN32	103478	150 – 1,600	Polypropylene, white	126
			103479	200 – 2,500	Stainless steel	259.9
531655*	51	DN50	*	200 – 2,500	Polypropylene, white	255
538602*	38					
103410	51	DN50	103481	400 – 4,000	Polypropylene, white	454
103412	38		103482	600 – 6,300	Stainless steel	936
103414	51	DN65	103484	1,000 – 13,000	Polypropylene, white	820
103415	38		103473	2,000 – 20,000	Stainless steel	1,714.00

*) Code numbers 531655 and 538602 include flow meter tube and float

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval

Contact details for all countries
are continually updated on our website.
Please visit www.alfalaval.com to
access the information direct.