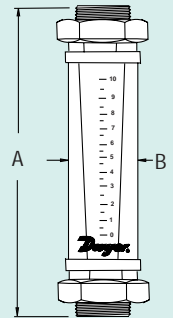




Series
VAT

Variable Area Fluoropolymer Flowmeter

In-Line, $\pm 5\%$ Accuracy, Chemically Inert



Dimensions

Connection	A	B
1/4"	5-11/16 (144)	1-1/4 (31.8)
3/8"	5-11/16 (144)	1-1/4 (31.8)
1/2"	10-1/2 (267)	2 (50.8)
3/4"	10-1/2 (267)	2 (50.8)

MODELS

Model Number		LOW RANGE	
Valve	No Valve	Connections	Flow Rate ml/min (gph)
VAT-311	VAT-301	1/4" female NPT	75 (1.19)
VAT-312	VAT-302	1/4" female NPT	250 (3.91)
VAT-313	VAT-303	1/4" female NPT	400 (6.34)
VAT-314	VAT-304	1/4" female NPT	500 (7.92)
VAT-315	VAT-305	1/4" female NPT	1000 (15.85)
VAT-316	VAT-306	3/8" female NPT	2000 (31.69)
VAT-317	VAT-307	3/8" female NPT	2500 (39.62)
VAT-318	VAT-308	3/8" female NPT	3000 (47.54)
VAT-319	VAT-309	3/8" female NPT	5000 (79.23)
Model Number		HIGH RANGE	
Valve	No Valve	Connections	Flow Rate L/min (gpm)
VAT-6110	VAT-6010	1/2" female NPT	13 (3.43)
VAT-6111	VAT-6011	1/2" female NPT	20 (5.28)
VAT-6112	VAT-6012	3/4" female NPT	30 (7.93)
VAT-6113	VAT-6013	3/4" female NPT	40 (1.57)
VAT-6114	VAT-6014	3/4" female NPT	45 (11.89)

Constructed entirely of fluoropolymers, the Series VAT Flowmeters are ideal for high purity or corrosive liquid applications. Flowmeters feature a 0-10 scale for flow indication. Each unit is individually leak tested to a leak integrity rating of 1×10^{-7} sccs Helium or better. The Series VAT are designed for in-line mounting and include a removable protective shield.

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials:

Flowtube: PFA.

Float and End Fittings: PTFE.

Guide Rods: PCTFE.

Temperature Limit: 250°F (121°C).

Pressure Limit: 100 psig (6.9 bar).

Accuracy: $\pm 5\%$ FS @ 70°F (21.1°C) and 14.7 psia (1 atm absolute).

Process Connections: See chart.

Leak Integrity: 1×10^{-7} sccs of Helium.

Scale: 0 to 10 markings.

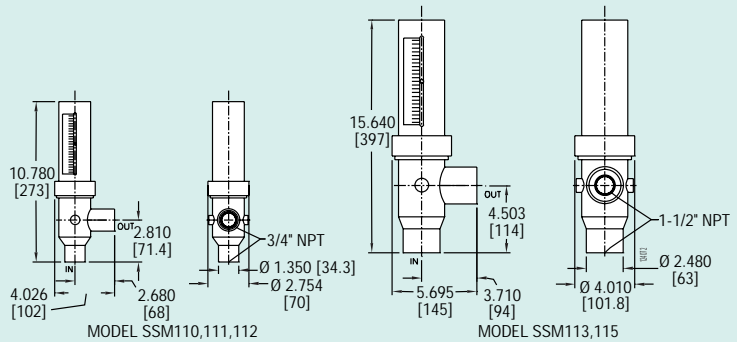
Mounting: Vertical, In-Line.



Series
SSM

Stainless Steel Flowmeter

$\pm 2\%$ Accuracy Up to 600°F (316°C) and 1000 psi (68.9 bar), Direct Reading Scale



Series SSM 316 SS Flowmeters are ideal for dirty or opaque fluids, high temperature and high pressure service and harsh environments. The direct reading scale provides $\pm 2\%$ accuracy with a rangeability of 25:1. Flowmeters can quickly be disassembled without removing the body from the pipeline for easy cleaning.

MODELS

Model Number	Range	Connection	Pressure Drop
SSM110*	0.20 to 5.40 GPM	3/4" female NPT	17.2" H ₂ O
SSM111*	0.20 to 10.0 GPM	3/4" female NPT	22.0" H ₂ O
SSM112*	0.50 to 23.0 GPM	3/4" female NPT	75.0" H ₂ O
SSM113*	1.00 to 35.0 GPM	1-1/2" female NPT	18.5" H ₂ O
SSM115*	2.00 to 75.0 GPM	1-1/2" female NPT	80.0" H ₂ O

* Models are calibrated with water at 70°F (21°C) @ 760 mm Hg, Sp.G.=1.00.

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials: T316 SS, Alnico magnet, Fluoroelastomer O-ring.

Temperature Limits: 600°F (316°C), temperatures above 300°F (149°C) requires "hot top" sold separately.

Pressure Limits: 3/4" models: 1000 psig (68.9 bar) @ 250°F (121°C), 1-1/2" models: 800 psig (55 bar) @ 250°F (121°C).

Accuracy: $\pm 2\%$ full scale.

Repeatability: $\pm 0.5\%$ of indicated flow rate.

Process Connection: 3/4" or 1-1/2" female NPT.

Scale Length: 3/4" models: 3.2" (8 cm); 1-1/2" models: 5.2" (13 cm).

Rangeability: 25:1.

Weight: 3/4" models: 5 lb (2.3 kg); 1-1/2" models: 13 lb (5.9 kg).

Accessories

No. SSM8, Hot Top for 3/4" models

No. SSM9, Hot Top for 1 1/2" models