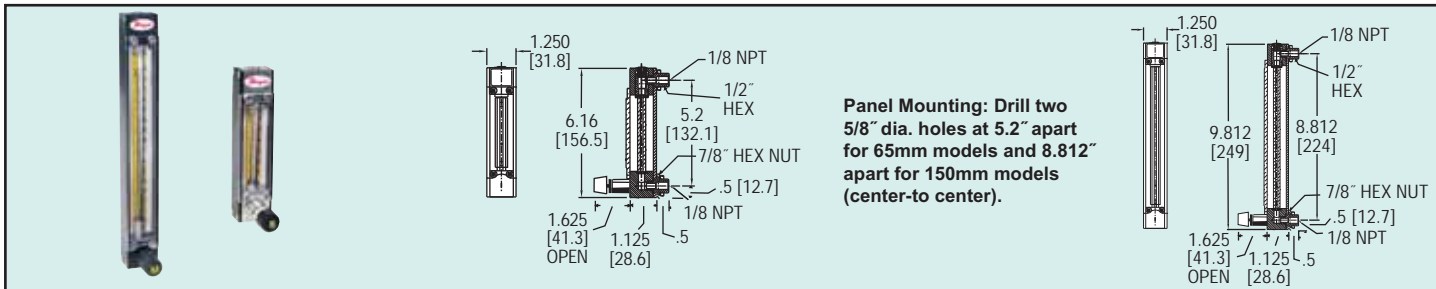# PTFE/Glass Flowmeters

Variable Area, Universal 65 mm and 150 mm Scales, ±2% FS Accuracy

Panel Mounting: Drill two 5/8″ dia. holes at 5.2″ apart for 65mm models and 8.812″ apart for 150mm models (center-to center).

Flow

Measure flow of corrosive or ultra-pure liquids or gases with the Series VA Variable Area PTFE/Glass Flowmeters. Flowmeters are constructed of chemically inert materials and housed in a rigid anodized aluminum frame with a polycarbonate safety shield. Units are designed with an easy-to-read universal mm scale and supplied with a correlation chart containing calibration data for air and water. Correlation data for other gases and liquids are available.

SPECIFICATIONS
Service: Compatible gases or liquids.
Wetted Materials:
Flowtube: Borosilicate glass.
Float: Glass (sapphire optional).
Float Stops and End Fittings: PTFE.
O-rings and Packings: PTFE .
Temperature Limits: –15 to 150°F (–26 to 65°C).
Pressure Limits: 100 psi (6.7 bar).
Accuracy: ±2% FS @ 70°F (21.1°C) and 14.7 psia (1 atm absolute).

Repeatability: ±0.25%.
Leak Integrity: 1 x 10^{-7} sccs of helium.
Scales: Universal 65 mm or 150 mm with correlation charts.
Turn-down ratio: 10:1, 20:1 with combinations of two floats installed in meter.
Connections: Two 1/8″ female NPT.
Mounting: Vertical.
Valve: 6-turn needle.
Valve Orifice: PTFE.

Model	65 mm scale			
Valve	No Valve	Float	Flow Rate (Air) scfh (ml/min)	Flow Rate (H_2O) gph (ml/min)
VA1545	VA1505	Glass	0.220 (104)	0.028 (1.8)
VA1547	VA1507	Glass	0.428 (202)	0.047 (2.95)
VA15411	VA15011	Glass	2.646 (1249)	0.428 (27)
VA15413	VA15013	Glass	4.322 (2040)	0.630 (39.7)
VA15417	VA15017	Glass	13.39 (6318)	2.33 (147)
VA15419	VA15019	Glass	27.9 (13153)	4.9 (309)
VA15421	VA15021	Glass	49 (23169)	8.27 (522)
Model	150 mm scale			
Valve	No Valve	Float	Flow Rate (Air) scfh (ml/min)	Flow Rate (H_2O) gph (ml/min)
VA25425	VA25025	Glass	0.104 (49)	0.01 (0.61)
VA25429	VA25029	Glass	0.792 (374)	0.087 (5.5)
VA25431	VA25031	Glass	1.75 (825)	0.262 (16.5)
VA25435	VA25035	Glass	8.07 (3807)	1.34 (84.3)
VA25437	VA25037	Glass	18.39 (8678)	3.32 (209)

ACCESSORY
VA7, Acrylic tripod for single meter