

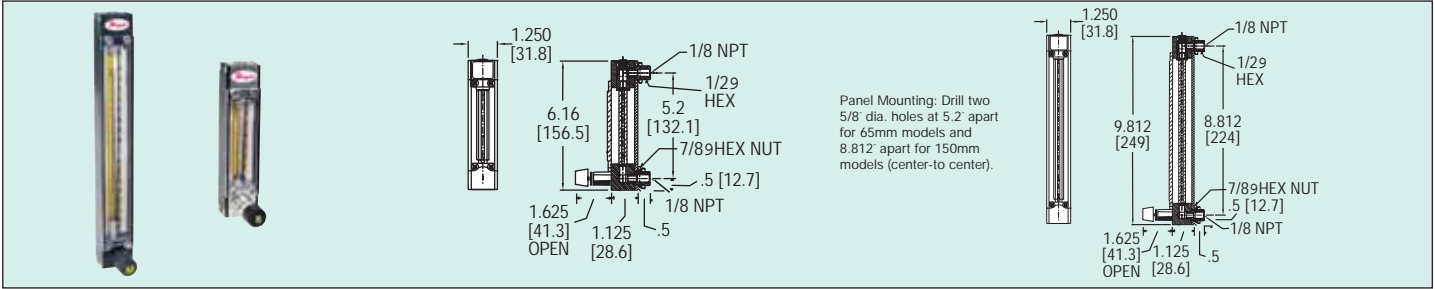


Series
VA

PTFE/Glass Flowmeters

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

Flow



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).

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: 1×10^{-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.

MODELS

65 mm Scale					
Model Number	Valve	No Valve	Float	Flow Rate (Air) scfh (ml/min)	Flow Rate (H ₂ O) 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)
150 mm Scale					
Model Number	Valve	No Valve	Float	Flow Rate (Air) scfh (ml/min)	Flow Rate (H ₂ O) 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)

Accessories

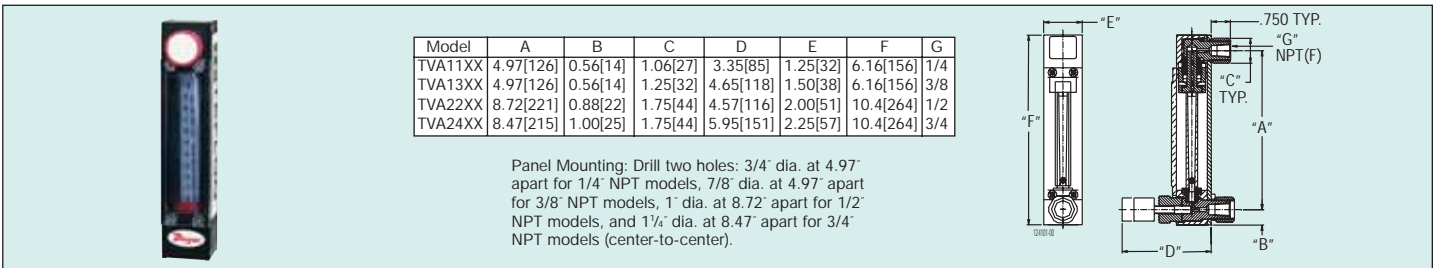
No. VA7, Acrylic tripod for single meter



Series
TVA

All Fluoropolymer Flowmeters

75 mm and 125 mm, 10:1 Turndown, ±5% FS Accuracy



Panel Mounting: Drill two holes: 3/4" dia. at 4.97" apart for 1/4" NPT models, 7/8" dia. at 4.97" apart for 3/8" NPT models, 1" dia. at 8.72" apart for 1/2" NPT models, and 1 1/4" dia. at 8.47" apart for 3/4" NPT models (center-to-center).

Series TVA All Fluoropolymer Flowmeters offer solutions for measuring flow rates of highly corrosive or ultra-pure liquids. Flowmeters are designed with 0 to 10 scale graduations denoting a discrete flow rate.

MODELS

Model No.		Low Range		
Valve	No Valve	Length	Connections	Flow Rate (H ₂ O) gph (ml/min)
TVA1113	TVA1103	75mm	1/4" female NPT	6.34 (400)
TVA1115	TVA1105	75mm	1/4" female NPT	15.9 (1000)
TVA1317	TVA1307	75mm	3/8" female NPT	39.6 (2500)
TVA1319	TVA1309	75mm	3/8" female NPT	79.2 (5000)
Model No.		High Range		
Valve	No Valve	Length	Connections	Flow Rate (H ₂ O) gpm (l/min)
TVA22110	TVA22010	125mm	1/2" female NPT	3.43 (13)
TVA24112	TVA24012	125mm	3/4" female NPT	7.93 (30)
TVA24114	TVA24014	125mm	3/4" female NPT	11.9 (45)

SPECIFICATIONS

Service: Compatible gases or 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: ±5% FS @ 70°F (21.1°C) and 14.7 psia (1 atm absolute).

Repeatability: ±0.25%.

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

Scales: 0 to 10 markings, 75 mm or 125 mm lengths.

Turn-down Ratio: 10:1.

Mounting: Vertical.