

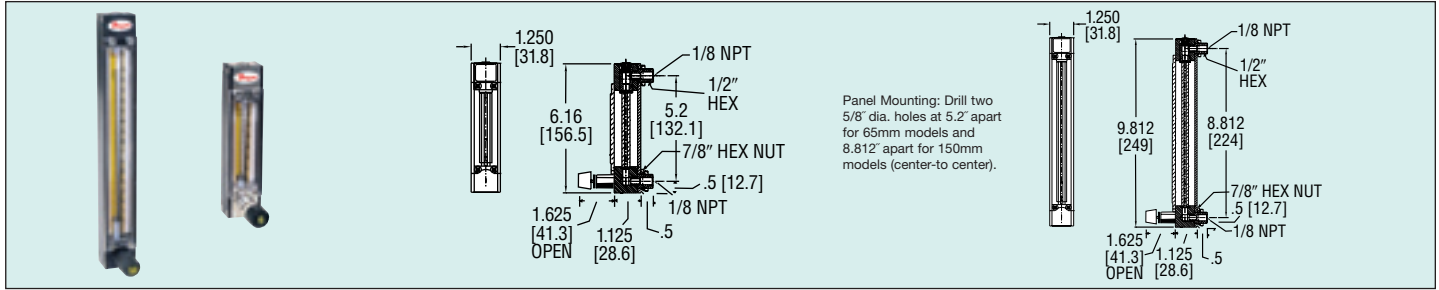


Series
VA

Teflon®/Glass Flowmeters

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

Flow



Measure flow of **corrosive or ultra-pure** liquids or gases with the Series VA Variable Area Teflon®/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: Teflon® PTFE.
O-rings and Packings: PTFE Teflon®.

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: Teflon® PTFE.

STOCKED MODELS in bold

Model Number		65 mm Scale		
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)

Model Number		150 mm Scale		
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

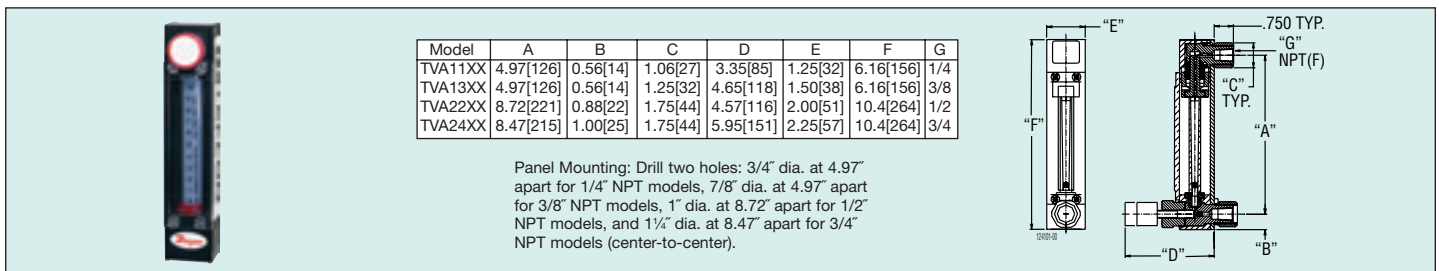
No. VA7, Acrylic tripod for single meter



Series
TVA

All Teflon® Flowmeters

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



Model	A	B	C	D	E	F	G
TVA11XX	4.97[126]	0.56[14]	1.06[27]	3.35[85]	1.25[32]	6.16[156]	1/4
TVA13XX	4.97[126]	0.56[14]	1.25[32]	4.65[118]	1.50[38]	6.16[156]	3/8
TVA22XX	8.72[221]	0.88[22]	1.75[44]	4.57[116]	2.00[51]	10.4[264]	1/2
TVA24XX	8.47[215]	1.00[25]	1.75[44]	5.95[151]	2.25[57]	10.4[264]	3/4

Series TVA All Teflon® 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.

SPECIFICATIONS

Service: Compatible gases or liquids.

Wetted Materials:

Flowtube: Teflon® PFA.
Float and End Fittings: Teflon® 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 x 10⁻⁷ sccs of Helium.

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

Turn-down Ratio: 10:1.

Mounting: Vertical.

POPULAR 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)