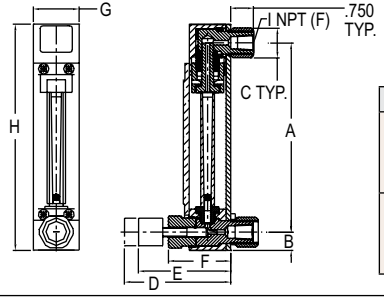
SERIES TVA

ALL FLUOROPOLYMER FLOWMETERS

75 mm and 125 mm, 10:1 Turndown, Back Connect, Corrosive Resistant

CALIBRATION SERVICES AVAILABLE



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

Note: 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).

The **Series TVA All Fluoropolymer Flowmeters** are ideal for high purity or corrosive liquid applications. This series of flowmeters features a 0 to 10 scale graduations denoting a discrete flow rate.

BENEFITS/FEATURES

- Chemically inert wetted components yield long life even in corrosive liquid applications
- Low installation costs with standard back process connections for easy panel mounting

APPLICATIONS

- Chemical injectors
- Deionized water systems

MODEL CHART

Model		Low Range		
With Valve	Without Valve	Length	Connections	Flow Rate Water GPH (ml/min)
TVA1113	**TVA1103**	75 mm	1/4″ female NPT	6.34 (400)
TVA1115	**TVA1105**	75 mm	1/4″ female NPT	15.9 (1000)
TVA1317	**TVA1307**	75 mm	3/8″ female NPT	39.6 (2500)
TVA1319	**TVA1309**	75 mm	3/8″ female NPT	79.2 (5000)

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: ±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: Direct reading, 75 mm or 125 mm lengths.
Turn-down Ratio: 10:1.
Mounting: Vertical.

MODEL CHART

Model		High Range		
With Valve	Without Valve	Length	Connections	Flow Rate Water GPM (L/min)
TVA22110	**TVA22010**	125 mm	1/2″ female NPT	3.43 (13)
TVA24112	**TVA24012**	125 mm	3/4″ female NPT	7.93 (30)
TVA24114	**TVA24014**	125 mm	3/4″ female NPT	11.9 (45)

OPTIONS

Use order code:	Description
NISTCAL-FL2	NIST traceable calibration certificate for variable water flowmeters