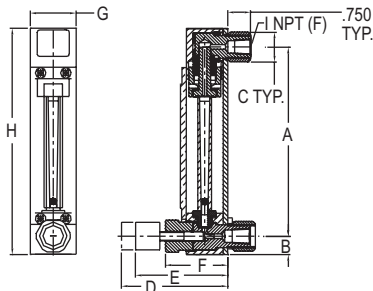## SERIES TVA
# ALL FLUOROPOLYMER FLOWMETERS
75 mm and 125 mm, 10:1 Turndown, Back Connect, Corrosive Resistant



| 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** 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.

### FEATURES/BENEFITS
• 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

### 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:** 0 to 10 markings, 75 mm or 125 mm lengths.
**Turn-down Ratio:** 10:1.
**Mounting:** Vertical.

### 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) |

### 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-FL1 | NIST traceable calibration certificate |