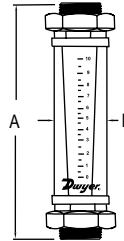


**Dwyer****SERIES VAT****VARIABLE AREA FLUOROPOLYMER FLOWMETERS**

In-Line, Chemically Inert



| Connection | A              | B             |
|------------|----------------|---------------|
| 1/4"       | 5-11/16" [144] | 1-1/4" [31.8] |
| 3/8"       | 5-11/16" [144] | 1-1/4" [31.8] |
| 1/2"       | 10-1/2" [267]  | 2" [50.8]     |
| 3/4"       | 10-1/2" [267]  | 2" [50.8]     |

The **SERIES VAT** In-Line Fluoropolymer Flowmeters are ideal for high purity or corrosive liquid applications. This series of flowmeters features a 0 to 10 scale for flow indication. Each unit is individually leak tested to a leak integrity rating of  $1 \times 10^{-7}$  sccs Helium or better.

**FEATURES/BENEFITS**

- Chemically inert wetted components yield long life even in corrosive liquid applications
- All units are individually leak tested for no additional cost

**APPLICATIONS**

- Chemical injectors
- Deionized water systems

| MODEL CHART |               |                 |                        |
|-------------|---------------|-----------------|------------------------|
| Model       |               | Low Range       |                        |
| With Valve  | Without Valve | Connections     | Flow Rate GPH (ml/min) |
| VAT-311     | VAT-301       | 1/4" female NPT | 1.98 (125)             |
| VAT-312     | VAT-302       | 1/4" female NPT | 3.91 (250)             |
| VAT-313     | VAT-303       | 1/4" female NPT | 6.34 (400)             |
| VAT-314     | VAT-304       | 1/4" female NPT | 7.92 (500)             |
| VAT-315     | VAT-305       | 1/4" female NPT | 15.85 (1000)           |
| VAT-316     | VAT-306       | 3/8" female NPT | 31.69 (2000)           |
| VAT-317     | VAT-307       | 3/8" female NPT | 39.62 (2500)           |
| VAT-318     | VAT-308       | 3/8" female NPT | 47.54 (3000)           |
| VAT-319     | VAT-309       | 3/8" female NPT | 79.23 (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:**  $\pm 5\%$  FS @ 70°F (21.1°C) and 14.7 psia (1 atm absolute).

**Process Connections:** See chart.

**Leak Integrity:**  $1 \times 10^{-7}$  sccs of helium.

**Scale:** 0 to 10 markings.

**Mounting:** Vertical, in-line.

| MODEL CHART |               |                 |                       |
|-------------|---------------|-----------------|-----------------------|
| Model       |               | High Range      |                       |
| With Valve  | Without Valve | Connections     | Flow Rate GPM (L/min) |
| VAT-6110    | VAT-6010      | 1/2" female NPT | 3.43 (13)             |
| VAT-6111    | VAT-6011      | 1/2" female NPT | 5.28 (20)             |
| VAT-6112    | VAT-6012      | 3/4" female NPT | 7.93 (30)             |
| VAT-6113    | VAT-6013      | 3/4" female NPT | 10.57 (40)            |
| VAT-6114    | VAT-6014      | 3/4" female NPT | 11.89 (45)            |

**OPTIONS**

| Use order code: | Description                            |
|-----------------|--|
| NISTCAL-FL1     | NIST traceable calibration certificate |