Dwyer

SERIES VAT

VARIABLE AREA FLUOROPOLYMER FLOWMETER
In-Line, Chemically Inert
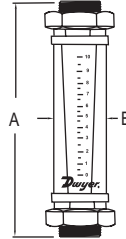
Connection	A	B
1/4″	5-11/16″ [144]	1-1/4″ [31.8]
3/8″	5-11/16″ [144]	1-1/4″ [31.8]
1/2″	10-1/2″ [267]	2″ [50.8]
3/4″	10-1/2″ [267]	2″ [50.8]

The **Series VAT Variable Area Fluoropolymer Flowmeter** is 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 x 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

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). **Process Connections:** See chart. **Leak Integrity:** 1 x 10-7 sccs of helium. **Scale:** Direct reading. **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)

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)

OPTIONS

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