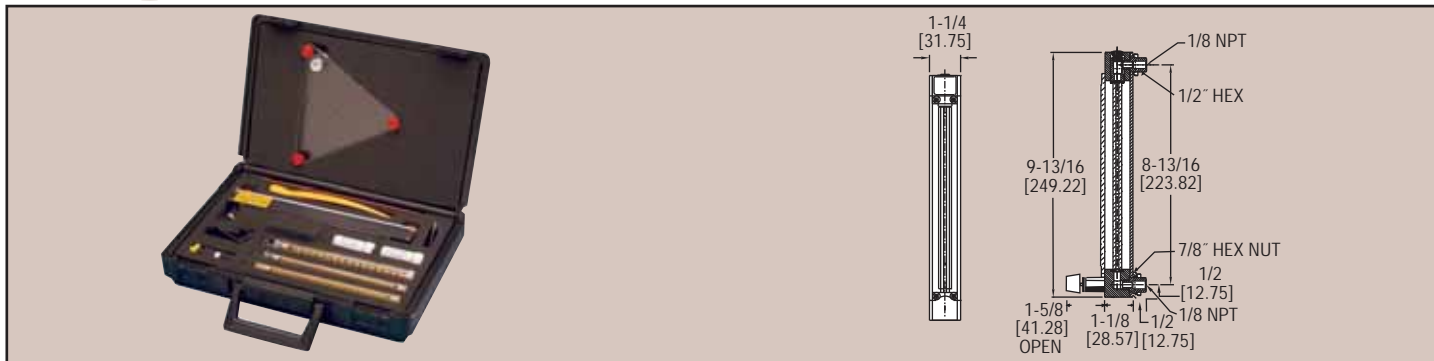




Series
VA-K

Variable Area Flowmeter Kits

Interchangeable Flow Tubes and Floats, 150 mm Universal Scales



The Series VA-K Flowmeter Kits offer an economical means of acquiring diverse flow measurement capability. The kit includes a completely assembled flowmeter (available with Aluminum or 316 SS end fittings) and three interchangeable 150 mm flow tubes. All flow tubes are supplied with a glass float installed. Spare 316 SS and Tantalum floats are included to extend flow capacities. Series VA-K kits also include a high flow valve cartridge, tripod base, tweezers, pushrod and locking tool for changing floats and flow tubes, correlation charts and plastic carrying case.

Model VA-K1, Aluminum Flowmeter Kit

Model VA-K2, 316 SS Flowmeter Kit

Max. Flow Rate (mL/min)*						
Flow Tube Number	Aluminum		316 SS		Tantalum	
	Air	Water	Air	Water	Air	Water
042-15	1.8 to 18.6	0.02 to 0.19	5.8 to 60.6	0.09 to .945	—	—
112-02	21 to 374	.023 to 5.5	36 to 814	1.1 to 20.4	—	—
102-05	106 to 3807	2 to 84	288 to 7590	6 to 617	—	—
044-40	962 to 22536	15 to 541	—	—	2015 to 62588	106 to 2001

* Flow rates are given for standard pressure and temperature 70°F (21°C) @ 760 mm Hg.

SPECIFICATIONS

Scales: Universal 150 mm scales with correlation chart.

Accuracy: ±2% FS @ 70°F (21.1°C) and 14.7 psia (1 atm absolute).

Repeatability: ±0.25% of scale reading.

Turn-down ratio: 10:1; 20:1 with combinations of two floats installed in meter.

Maximum Operating Pressure: 200 psig (13.8 bar).

Maximum Operating Temperature: 250°F (121°C).

Mounting: Vertical.

APPLICATIONS

Kits are ideal for flow applications in air and water analysis, film processing, chemical processing, gas chromatography, pharmaceutical, alcohol and tobacco production, pulp and paper, and semiconductor industry.

Connection: 1/8" female NPT.

Flowtube: Borosilicate glass.

Float: Glass, 316 SS or tantalum.

Float Stops: PTFE.

End Fittings: Anodized aluminum or 316 SS.

Front Shield: Polycarbonate.

Side Panels: Black, anodized aluminum.

O-rings: Buna-N on aluminum models and fluoroelastomer on stainless steel models.

Valve Orifice: Acetal on aluminum models and PCTFE on stainless steel models.