

Porter Flowmeters



Porter Variable Area Flowmeters include 65mm and 150mm scale length tube assemblies and are available in either forged body or side-plate construction. Forged body models feature a wrap-around window for full 180° tube visibility, and an attractive forged one-piece black anodized aluminum body. Side-plate constructed models are conveniently interchangeable with competitive designs.

Porter Control Valves, including the exclusive *Torque Guard Cartridge*, can be added to either style flowmeter for precise flow indication and control in one economical unit. Multi-tube side-plate models, ranging from two to six tubes, are available with or without controls valves and can include individual inlet and outlet connections or manifold ports according to your specifications.

Porter Metering Valves

Porter Metering Valves are designed for extremely precise control in low flow gas and liquid applications. Our Model HR High Resolution Control Valve features a non-rotating valve stem with a precision ground flat for exact control and an o-ring seal for positive shut-off. The Model HR's spring-loaded, non-rising adjustment stem eliminates sawtoothing and backlash. The Model SCV Standard Cartridge Valve offers a unique blend of economy and utility for a wide range of applications. Standard Cartridge Valves are available with the exclusive *Torque Guard Positive Stop Mechanism*.



Porter Variable Constant Differential Flow Controller



Porter Model VCD 1000 Flow Controller is precision-engineered to control low gas flows at constant mass flow rates regardless of changes in downstream pressure. The unique design yields extremely linear flow output in relation to stem rotation and virtually eliminates the sawtoothing associated with valve-based controllers. Available in full scale flow rates from 5 sccm up to 1500 sccm (He @ 70°F and 50 PSIG).

Custom Capability

Porter Flowmeters, Metering Valves and Flow Controllers can be modified to meet the particular needs of Original Equipment Manufacturers. We can also supply OEM glass flow tubes to meet specific size, scale and flow requirements. We welcome your inquiries.



PORTER
INSTRUMENT COMPANY, INC.