

HVT-FC

Accurate, Customized Flow Control Management

P rimary Flow Signal, Inc. is a leader in the design and manufacture of differential pressure flow meters.

Field-proven in hundreds of thousands of installations worldwide, differential metering ensures the most accurate and reliable metering available anywhere. Through innovation in design and manufacturing, coupled with peerless engineering and technical expertise, PFS delivers customers versatile, ultra-long lasting liquid and gas metering solutions for a broad range of applications and industries.

The **HVT-FC Flow Rate Controller** enables the proper meter valve and secondary system combination that correctly delivers the performance demanded by each application. The HVT-FC is specially designed to be close coupled with properly sized and selected butterfly valves to deliver a thoroughly substantiated performance envelope to meet application requirements.

The reliable HVT-FC is available in three standard Beta ratios in line sizes from 3" to 96" and pressure ratings from 125 to 300 ANSI. Made from cast or ductile iron, this flow controller is ideal for clean liquid, gas, and other process flow control applications, especially in water/wastewater plants.

PFS developed a "Flow Control Performance Map" that provides a clear analysis of the valve position throughout the flow control range on water/wastewater filter effluent rate of flow control applications and establishes the effective control range of the controller. Similarly, for backwash and other process rate control requirements, this design engineering and support documentation is only available from PFS.

HVT-FC Flow Rate Controller Features

Beta ratios: any ratio as required

Line size: ranges from 3" to 96"

Temperature: -150 °F to +400 °F as limited by secondary devices

Materials (body): cast iron or ductile iron

Materials (throat liner): include, but are not limited to 304 stainless steel and bronze

Line fluid capabilities: gas, clean liquid, or with minimal particulate

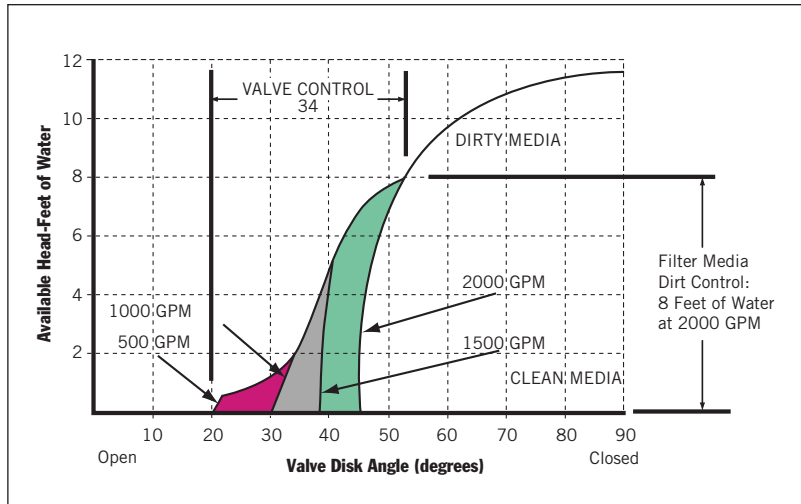
Valve size: as required by application

Line pressure capabilities: from 125 to 300 ANSI

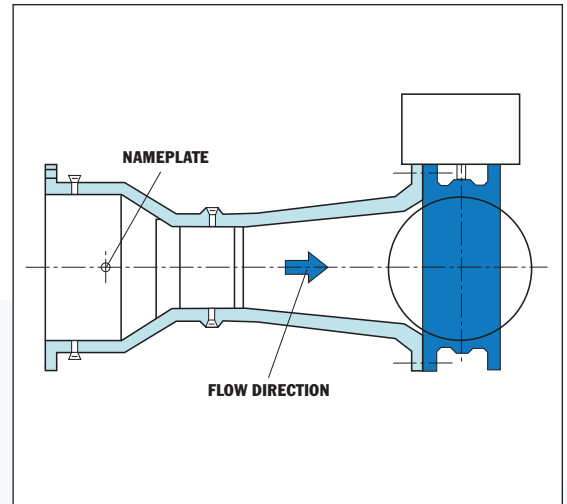
Configuration: available in versions including rectangular or any shape as required by application

Data Sheet HVT-FC

Flow Control Performance Map



Flow Controller Diagram



The complete rate-of-flow controller is assembled and tested prior to shipment to reduce risks inherent to assembly inaccuracies. The function of this device is to provide maximum effluent control without limiting the overall flow.

HVT-FC – for proper meter value and secondary system combinations.

Support and Service

Our full-time, dedicated service group offers 100% trustworthy support and recertification for flow meters — whether our own or a competitor's brand. Our meter proving services are performed by our trained technicians and the latest testing equipment. Custom meters and instrumentation options for your application are readily available. Many of our products are in stock and ready for immediate shipment.

Certifications

ISO 9001, ASME S, U, R; European PED Module H; and other internationally recognized certifications, such as GOST, IBR, and CRN.

Worldwide Support

We serve customers worldwide delivering proven differential and turbine meters, and fire suppression solutions. Our U.S. offices are located in Rhode Island (headquarters); Houston and Odessa-Midland, TX; Tulsa and Altus, OK; Seneca, SC. We also have offices in Edmonton, Alberta, Canada; Beijing, China; and Dubai, United Arab Emirates.

Contact your PFS, Inc. Field Application Engineer for assistance.



All PFS products are proudly made in the U.S.A.



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