

## PFS Rate of Flow Controller (HVT-FC)

**Brand:** Primary Flow Signal



### Short Description

0.50% Uncalibrated Uncertainty Low Loss, Control Flow Rate Line Size: 4 to 96 inches  
Head Loss % of Differential (Venturi): 3.50 to 10.0 percent Recommended Pipe  
Reynolds Number: Greater than 75,000 for basic accuracy

### Description

The HVT-Halmi Venturi Flow Element in Cast Iron and Ductile Iron form is offered exclusively by Primary Flow Signal, Inc. for the highest accuracy and reliability for flow measurement of pressurized line fluids, including liquids and gases, as well as high-viscosity line fluids, solids-bearing line fluids, and harsh or contaminated line fluids. Flow rate control in municipal or industrial transmission and processing scenarios inevitably requires a high degree of precision, repeatability, and accuracy to assure the integrity of the process. Incorrect design and sizing of flow control elements can have far reaching effects that include needlessly incurring increased energy costs, improper process control, or damage or loss of costly filter beds, to name a few. It is rarely effective or appropriate to simply install a meter and a valve in series and expect properly optimized performance to result. The only way to obtain optimal accuracy and control performance is to properly study the entire flow loop, then select the proper meter valve combination. The Rate of Flow Controller offers the ability to analyze the unique flow conditions and design the correct flow control solution for the specific demands of any application. Rate of Flow Controllers can be designed using any style HVT Venturi such as the FV, CI, DI PI, FI, RV series.