

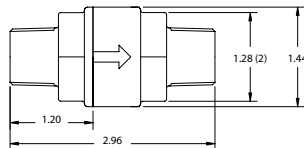
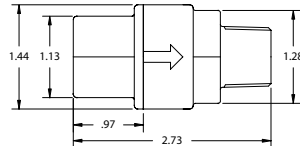
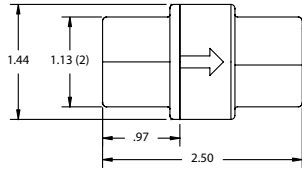


Vertically Integrated, Made in the USA

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685 SERIES FLOW RESTRICTOR VALVE



Design Considerations

The 685 Series Flow Restrictor Valve incorporates a 1/2" NPT Polypropylene Body and Flow Restrictor insert that operates as a flexible orifice to provide reliable flow regulation from .26 to 3.96 Gallons Per Minute. Minimum inlet pressure is 15 psi to reach metered flow rate. Maximum inlet pressure is 125 psi. All materials are NSF Approved under Standard 61.

Maximum Operating Pressure — 125 psi
 Maximum Operating Temperature — 140°F

Options

Material Options	Body - Black Polypropylene, White Polypropylene Delrin Retainer Acetal Flow Restrictor Ethylene Propylene O-Rings
End Options	1/2 Female NPT X 1/2 Female NPT 1/2 Female NPT X 1/2 Male NPT 1/2 Male NPT X 1/2 Female NPT 1/2 Male NPT X 1/2 Male NPT
Flow Control Options	.26, .37, .53, .73, .79, .92, 1.06, 1.32, 1.58, 1.85, 2.11, 2.22, 2.38, 2.64, 3.17, 3.43, 3.7, 3.96 GPM

Example of How To Order

Body Material	Inlet End	Outlet End	Flow Restrictor
White Filled Poly	1/2 FNPT	1/2 FNPT	2.38 GPM

SMC Part Number: WFP FR 685-8F8F-E,2.38 GPM

The flow arrow on the body will point from Inlet to Outlet. SMC Part Numbers are a description of the valve as read left to right, Inlet to Outlet.

Example: WFP FR 685-8F8F-E,2.38 GPM = 1/2 FNPT Inlet x 1/2 FNPT Outlet

SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.