



ITT



Pure-Flo[®] Bypass (BYP)

Typical Bioprocessing and Pharmaceutical processes utilize large quantities of water. Processes such as WFI storage, Media hold and Buffer preparation utilize large vessels for holding or preparing the process fluids. The Bypass valve is specifically designed to optimize the fill rate of these large vessels. By utilizing two different flow paths the process can be filled quickly with the larger valve and filled at a slower rate by the smaller valve for topping off the process, saving significant time in the process.

Typical Applications

- Tank filling applications

Specifications

Standard Sizes:

- 0.5" - 2" (DN 15 - 50) Valve size
- 0.25" (DN 8) .18 I.D. Bypass size (.18" I.D.)
- Other sizes available upon request

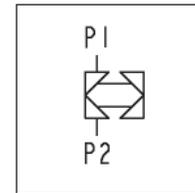
Materials:

- 316L ASTM - A479
- DN 177440, 1.4435
- AL6XN
- Hasteloy C-22 & C-276
- Other materials available upon request

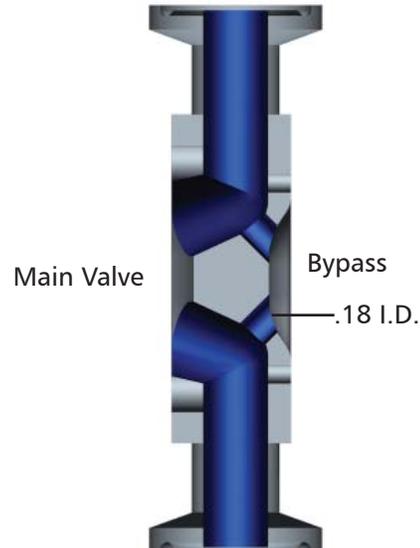
Standard End Connections:

- 14, 16, 18, 20 Gauge OD tubing
- DIN/ISO
- Tri-Clover Tri-Clamp[®]
- Others available upon request

Compatible with standard Pure-Flo topworks: See PFTOP for details on available manual bonnets or actuator.



Flow Path



How to Order a Bypass Valve

.5" wrought stainless steel valve with Bypass, Tri-Clamp ends, 25 Ra interior finish, standard exterior finish (Scotch Brite).

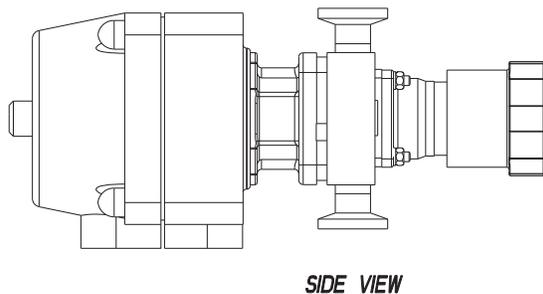
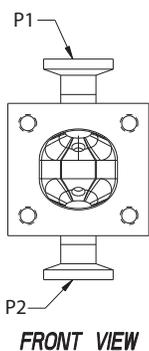
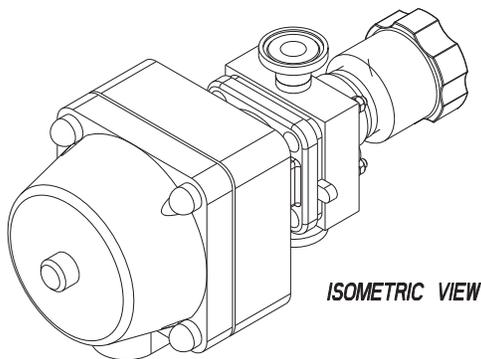
Figure Number: **BYP-1-419-.25-W-6-1-0**

Configuration Example		BYP	.5	419	.25	W	6-1-0
Valve Body	Block Type	BYP					
	Valve Size ¹		.5				
	Body End Connections (P1, P2)			419			
	Second Valve Size ²				.25		
	Body Material					W	
	Polish Selections						6-1-0

¹ Available in .5" - 3" valve sizes. Note: Valve sizes 1.5" and larger are manufactured on a forged body.

² 1/4" standard bypass valve size (internal passage diameter .18"). Consult the factory for additional bypass valve sizes.

To add topworks, see BBTOP. For additional figure numbers, see PFORD.



Please contact ITT Engineered Valves for the latest drawing and dimensional information. The above drawing should only be used as a general reference.

Engineered Valves, LLC
33 Centerville Road
Lancaster, PA 17603
(717) 509-2200

ITT Pure-Flo (UK) Ltd
Richards Street
Kirkham, Lancashire
PR4 2HU, England