



Series 290 | Proportional Valves with Positioner^D

2-Way, Normally Closed Valves

Applications

- Water Treatment
- Pharmaceutical
- Petrochemical
- Food & Beverage

Features & Benefits

- **Reliable and Robust Proportional Control**
 - Proportional flow control via 4-20mA signal (open loop)
 - Closed loop control via external process signal
 - Fail closed construction: valve closes upon loss of power
 - IP66 enclosure allows valve to be used outdoors
 - LED indicators for valve status and diagnostic functions
 - Position feedback signal for optimal flow control
 - Manual opening and closing function simplifies start up without controller system
 - High flow rate due to angled seat design
 - Handles viscous fluids up to 2700 SSU
- **Energy Saving**
 - No air consumption when set point position is reached
 - Low power consumption (3.6 W) when set point position is reached
 - Positioner^D is factory adjusted and tested saving installation time and cost
- **Easy Calibration**
 - Initial regulation parameters can be modified on computer with downloadable APC software and ASCO RS232 converter cable



Specifications

Series	Operator Size (mm)	Pipe Sizes (in)	Response Time (sec.)		Operating Pressure Differential (psi)		Body Material	Max. Fluid Temp. °F (°C)	Pilot Pressure (psi)	
			Open	Close	Fluids	Steam			Min.	Max.
290 with Positioner ^D 2-Way, Normally Closed (Suffix PDB67) ①	63	1/2" - 3/4"	1.0	1.0	0 - 230	0 - 150	Bronze or Stainless Steel	366	60	116
		1" - 2"	2.0	2.0						
	90	1" - 2"	2.0	2.5						

① Accuracy < 2%; Hysteresis < 2%; Repeatability < 1%; Linearity < 5%

