



Model 6290 Series Excess Flow Control Valve



Description

The Model 6290 Series Excess Flow Control Valve is a sensitive excess flow shut-off valve designed to operate with a wide range of inlet pressures. The Excess Flow Control Valve can be installed in any location without affecting performance. The capability of operating up to 3500 psig allows it to be used either between a high pressure source and a pressure regulator, or in the low pressure delivery line to a process. In both applications, this Control Valve will automatically shut off the delivery of gas if the flow exceeds the preset limit.

Operation

The shutoff mechanism of the Model 6290 Series Excess Flow Control Valve is incorporated within a stainless steel high purity valve. The actuating knob has been designed to manually operate the valve and clearly indicate the relative operating condition as either "Open (Reset)" or "Auto (Shut off)."

Specifications

Supply Pressure:	10 - 3500 psig
Differential Pressure:	Models A, C: 5 psig Model F: 12 psig
Temperature:	-10°F to 150°F (-23°C to 66°C)
Leak Rate (He):	
Inboard:	2×10^{-10} scc/sec
Surface Finish (Ra):	15 - 20 micro-inch
Shipping Weight:	2 lbs

Materials of Construction

Wetted:

Body:	316L stainless steel
Outboard Seal:	Metal to metal
Seat:	PCTFE
Diaphragm:	Elgiloy or equivalent
Spring:	Hastelloy C-22
Poppet:	316L stainless steel

Non-Wetted:

Knob:	Anodized aluminum (red)
Stem:	416 stainless steel (lubricated)
Cap:	316L stainless steel

Ordering Information

Model No.	1000 psig	30 psig	Inlet/Outlet Connections
6295-A	5 SLPM	0.5 SLPM	1/4" FPT
6295-C	20 SLPM	4 SLPM	1/4" FPT
6295-F	100 SLPM	25 SLPM	1/4" FPT