# **Valves**

# **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: Model F: 12 psig

-10°F to 150°F (-23°C to 66°C) Temperature:

Leak Rate (He):

Inboard: 2 x 10<sup>-10</sup> 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: Hastellov C-22 316L stainless steel Poppet:

## Non-Wetted:

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

Cap: 316L stainless steel

Ordering Information		
1000 psig	30 psig	Inlet/Outlet Connections
5 SLPM	0.5 SLPM	1/4" FPT
20 SLPM	4 SLPM	1/4" FPT
100 SLPM	25 SLPM	1/4" FPT
	1000 psig 5 SLPM 20 SLPM	1000 psig 30 psig   5 SLPM 0.5 SLPM   20 SLPM 4 SLPM