

F-2804 Series Preset Flow Control



The Preset Flow Control maintains a constant flow in one direction and full flow in the opposite direction. The operation of the Flow Control is based on the movement of a small disc. The disc shifts within the housing as the pressure differential changes from forward to reverse. An orifice restrictor is encased in the center of the disc. A flat surface on one side of the disc seals and permits flow through the orifice.

The amount of flow permitted in the reverse direction, which is the sealing side, is determined by the orifice size. The amount of flow permitted in the forward direction is full flow.

- FEATURES**
- Precision Molded Orifice
 - Miniature Size
 - Minimum Cracking Pressure
 - Low Cost

SPECIFICATIONS

Maximum Supply: 75 PSI
 Operating Temperature: 40° to 120°F. (5° to 48°C.)
 Recommended Filtration: 5 micron
 Cracking Pressure: Less than 10" H₂O

MATERIALS

Orifice: Polysulfone
 Housing: Gray Polysulfone
 Disc: Silicone

MOUNTING

Inline

PORT CONNECTIONS

10-32 Threads, 10-32 Nipple is Supplied

ORDERING INFORMATION (Order by model number, specify orifice diameter and accessory letters required.)

Model Number	Orifice Diameter	Port Connections
F-2804-404	041-0.004"	B80 - Barbs for 1/16" I.D. tubing B85 - Barbs for 1/8" I.D. tubing No accessory numbers required for 10-32 nipple
F-2804-404	050-0.005"	
F-2804-404	051-0.006"	
F-2804-404	071-0.007"	
F-2804-404	101-0.010"	
F-2804-404	121-0.012"	
F-2804-404	161-0.016"	
F-2804-404	201-0.020"	
F-2804-404	251-0.025"	
F-2804-404	301-0.030"	
F-2804-404	401-0.040"	

DIMENSIONS

