



**BPR5000D**

### **GENERAL DESIGN FEATURES**

- ▶ Back Pressure Regulator (BPR) maintains constant set pressure in pump discharge lines feeding the chemical injection system while recycling unused fluid to the chemical holding tank.
- ▶ Provide constant and stable pressure to the system over a wide range of flow with continuous spill-off to the chemical tank.
- ▶ Robust design with ceramic trim will handle the full pressure drop throughout the entire flow range
- ▶ Reliable and accurate pressure regulation for the life of the system
- ▶ No scheduled maintenance
- ▶ Low torque handle

### **SKOFLO BENEFITS**

- ▶ 30-year experience, industry expert and solution provider
- ▶ Robust and reliable field proven designs that require minimal maintenance
- ▶ SkoFlo BPRs are designed to handle the FULL pressure drop throughout the entire rated flow range under continuous operation with minimal wear to the internal components.



**DESIGN RATINGS**

Pressure Ranges	(-1) 300 to 2500 psig (21 to 173 barg)	(-2) 2000 to 5000 psig (138 to 345 barg)	
Maximum Flow Rates	(-2) 800 GPD (126 LPH)	(-3) 2000 GPD (315 LPH)	
Design Life	25 years		
Working Pressure Rating	5,000 psig (345 barg)		
Proof Test Pressure	7,500 psig (517 barg)		
Operating Temperature Rating	<b>FFKM</b>	<b>FKM</b>	<b>EPDM</b>
	-20°F to 185°F (-29°C to 85°C)	-50°F to 185°F (-45°C to 85°C)	-50°F to 185°F (-45°C to 85°C)
Storage Temperature	-50°F to 185°F (-45°C to 85°C)		
Viscosity	0.5 – 100 cP		
Debris Tolerance	SAE AS4059 Class 12B-F		
Installation Orientation	Horizontal or Vertical		
Envelope Dimensions	8in. x Ø3in. (230mm x Ø76 mm)		
Weight	8 lb. (3.6 Kg)		
Process Connections	¼" NPT		

**MATERIALS – CHEMICALLY WETTED**

Valve Body	316 SS
Metallic Components	316/316L SS
Non-metallic Components	PTFE, FFKM, FKM, EPDM, Alumina, Zirconia
Valve Trim	Ceramic