



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.



Product Specification,
Surface, Low Flow BPR5000D

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	(-1) 400 GPD (63 LPH)	(-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	FFKM	FKM	EPDM	
	-20°F to 160°F (-29°C to 70°C)	-50°F to 160°F (-45°C to 70°C)	-50°F to 160°F (-45°C to 70°C)	
Storage Temperature	-50°F to 160°F (-45°C to 70°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