



BPR10000C

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	4,000 to 10,000 psig (276 to 586 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	10,000 psig (689 barg)		
Proof Test Pressure	15,000 psig (1034 barg)		
Operating Temperature Rating	FFKM	FKM	EPDM
	-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	10in. x Ø3in. (254mm x Ø76 mm)		
Weight	18 lb. (8 Kg)		
Process Connections	3/8" AEMP		

MATERIALS – CHEMICALLY WETTED

Valve Body	Nitronic 50HS
Metallic Components	316/316L SS, Nitronic 60
Non-metallic Components	PEEK, PTFE, FFKM, FKM, EPDM, Alumina, Zirconia
Valve Trim	Ceramic