



**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	<b>FFKM</b>	<b>FKM</b>	<b>EPDM</b>
	-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	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