

GO Regulator

CPR-1 Series

Compact Stainless Steel Pressure Reducing Regulator



The CPR-1 Series is a compact pressure regulator with most of the same internal design features employed in our time proven PR-1 Series. This regulator was designed to provide optimum performance as a "lecture bottle regulator" for pressure control in any application where a small size and low internal volume are required. The low internal volume allows more rapid purging in analytical instrumentation and semiconductor doping gas applications.

Features & Specifications

- Internal dead volume less than 4cc
- Gas or liquid service
- 316L stainless steel body
- Stainless steel diaphragm
- 40 micron inlet filter
- Bubble-tight shutoff
- Outlet pressure 0–10, 0–25, 0–50, 0–100, 0–250, 0–500 and 0–750
- Cv flow 0.025, 0.06, and 0.20
- Operating temperatures -40° F to +500° F (-40° F to +260° C)
- Inlet/outlet connections 1/8" FNPT

Options

- Panel mount (requires 1³/₈" mounting hole)
- Pressure gauges
- Captured vent

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Maximum Temperature & Operating Inlet Pressures

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM OPERATING INLET PRESSURE
Tefzel®	150° F (66° C)	0	3600 psig (24.82 MPa)
PCTFE (formerly Kel-F [®] 81)	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK™	500° F (260° C)	@	3600 psig (24.82 MPa)
PEEK™	175° F (80° C)	@	6000 psig (41.37 MPa)
CF PTFE	175° F (80° C)	@	3600 psig (24.82 MPa)

NOTE: Contact the factory for any additional requirements.

Outline and Mounting Dimensions

Weight = 1.1 lbs (0.50kg)



Viton[®] is a registered trademark of DuPont Dow Elastomers. Tefzel[®] is a registered trademark of the DuPont Company. Kel-F[®] is a registered trademark of 3M Company. PEEK[™] is a trademark of Victrex PLC. INCONEL[®] is a registered trademark of Special Metals Corporation.

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