

GO Regulator

## **MR Series**

Ultra Miniature Pressure Regulator



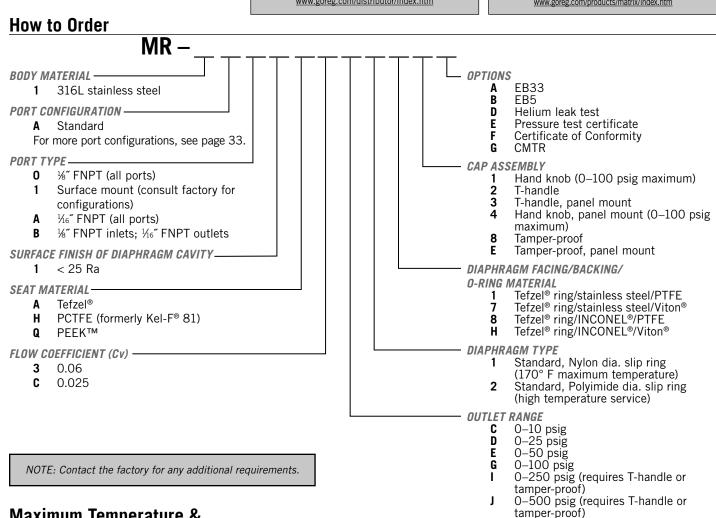
The MR is an ultra-miniature pressure regulator that has many of the same features found in the timetested design of the CPR-1 & PR-1 Series pressure regulators. Designed for surface, panel or manifold mounting, the MR offers the utmost in versatility to the systems designer. It's low internal volume of less than 2.7cc makes the MR the perfect choice for systems that require rapid purge cycles. Standard features permit using this regulator in a wide variety of services, including corrosive fluids. The MR can be tailored to virtually any application by utilizing the optional features. All of this is attainable while achieving as low as 0.2% accuracy during supply pressure fluctuations. This regulator is designed to allow the construction of compact and sophisticated analytical instrumentation where the optimum in pressure control is required and space is at a premium.

## Features & Specifications

- Gas or liquid service
- 316L stainless steel construction
- Internal volume is less than 2.7cc
- Electropolished body with better than 25 Ra finish in diaphragm cavity
- 20 micron inlet filter
- Bubble-tight shutoff
- Outlet pressure ranges are 0–10, 0–25, 0–50, 0–100, 0–250 and 0–500 psig
- Cv flow coefficient 0.025 or 0.06
- Option: surface mount (for manifolds)
- Optional INCONEL® diaphragm

CIRCOR

To Order, contact your local Distributor Link below: www.goreg.com/distributor/index.htm



## Maximum Temperature & Operating Inlet Pressures

**MR** Series

SEAT MATERIAL	MAXIMUM TEMPERATURE	@	MAXIMUM OPERATING INLET PRESSURE
Tefzel®	150° F (66° C)	@	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)

## **Outline and Mounting Dimensions**

