

# Dielectric 2 PSI Second Stage Domestic Regulators

## SENTINEL SERIES

### APPLICATION:

**SENTINEL Series 2 PSI Second Stage Dielectric Regulators** are used to reduce outlet pressures from first stage regulators (normally 10 PSI) to nominal 2 PSI in domestic installations. 2 PSI service regulators are used in conjunction with an LPG line regulator either at the indoor appliance or a remote manifold distribution header inlet. All MEC SENTINEL 2PSI Series second stage regulators are white with yellow inlet connections indicating 2 PSI outlet pressure and dielectric separation. 2 PSI service regulators have 3/4" FNPT tapped vents and our exclusive E-Z grip screens located over the inlet. All MEC Sentinel Series 2 PSI SERVICE regulators feature an all stainless steel inlet filter screen to reduce debris from passing through the regulator. Both the **MEGR-1622ED** and the **MEGR-1652ED** Series regulators offer optimal relief performance that well exceeds UL test requirements. All MEC **Excelsior-Flo<sup>™</sup>** domestic regulators feature a 25 year recommended replacement life and our exclusive tear away leak check adhesive sticker.

**SENTINEL Series 2 PSI Second Stage Dielectric Regulators** feature an integral dielectric inlet connection designed to isolate upstream metallic piping from electrical current prior to piping entering a building in compliance with NFPA58 - 2017 section 6.11.316. Since the FNPT inlet serves as the dielectric separation media, any standard MNPT threaded connector or valve can be installed without a separate dielectric union. All models feature the same basic footprint measurement from inlet to outlet as standard **Excelsior-Flo<sup>™</sup>** second stage regulators, making it ideal for regulator change-outs.

PATENT PENDING 



**MEGR-1622ED Series**

Features an inline inlet and outlet orientation.

PATENT PENDING 



**MEGR-1652ED-DFH**

Features a rear discharge back mount outlet for convenient wall mount applications.

### SPECIFICATIONS:

**Type:** 2 PSI

**Max. Inlet Pressure:** 10 PSIG

**Exterior Finish:** White Coat Body and Yellow Powder Coat Inlet

**Interior Finish:** White Powder Coat

**Orifice Size:** 0.219"

**Diaphragm:** Fabric Reinforced (NBR) Molded Lip O-Ring Bonnet/Body Seal

**Relief Type:** Internal Relief - Spring Loaded

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**Bonnet / Body Material:** Die Cast Aluminum

**Seat Material:** Fluorocarbon (FKM)

**Listings:**  / UL 144

**Mounting Holes:** Standard 3-1/2" Center

**Pressure Taps:** #54 Orifice 1/8" FNPT Plugged (2)

**Relief Travel Stop:** Molded In Adjustment Cap - Black

Part No.	Type	Capacity in BTU/H LPG <sup>(1)</sup>	Inlet	Outlet	Vent Port	Outlet Adj. Range (PSI)	Outlet Set Point (PSI)
<b>MEGR-1622ED-BCH</b>	Full Size	1,100,000	1/2" FNPT	1/2" FNPT	3/4" FNPT	1.0 - 2.2	2
<b>MEGR-1622ED-DCH</b>	Full Size	1,400,000	3/4" FNPT	3/4" FNPT	3/4" FNPT	1.0 - 2.2	2
<b>MEGR-1652ED-DFH<sup>(2)</sup></b>	Full Size Back Mount	1,300,000	3/4" FNPT	3/4" FNPT	3/4" FNPT	1.0 - 2.2	2

(1) Based on 10 PSIG inlet pressure and 20% droop

(2) Indicates back mount configuration

