### Exclusive Features and Benefits

1. Dust cap with hex and finger grips
2. Full round flange for evenly distributed compression
3. Locating tabs
4. Premium powder coat inside and out
5. Large wrench flats
6. Ribbed vent screen for easy removal
7. Fabric reinforced molded diaphragm
   a. Interlocking diaphragm and diaphragm plate
   b. Rounded edges on diaphragm plate
   c. Sealing and locating bead on diaphragm
8. Travel stops - to prevent damage to diaphragm
9. Stainless steel lever design
10. Pre-installed mounting screws for installation convenience
11. Large aluminum orifice
12. Large drip vent
13. Adjustment direction indicator
14. Plugged high pressure gauge port on all integral two stage regulators
15. 3 part tear off data label for installation records
16. (FKM) Fluorocarbon seats for maximum protection against contamination

* Some features - Patent Pending

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### DIELECTRIC INLET CONSTRUCTION

1. Mounting Screws
2. Reinforcement Plate
   a. distributes mounting screw loads across plate
   b. drip-lip to prevent water and condensation collection
3. Dielectric Isolator Plate and Cover
   a. plate and cover install over the inlet flange to electrically insulate the inlet piping from the piping system that enters the building
   b. plate is designed to isolate the mounting screws from the inlet
4. Dielectric 3/4" FNPT Flange Fitting
5. Double o-ring seal to prevent propane leaks

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*US PATENT # 9,400,074*
MEGR-1222D/MEGR-1622D Compact/Full Size Series
MEGR-1252D Compact Back Mount
MEGR-1642D Full Size Series
MEGR-1652D Back Mount Series

**SPECIFICATIONS**

- **Type:** Second Stage
- **Max. Inlet Pressure:** 10 PSIG
- **Exterior Finish:** Green Powder Coat Body and Yellow Powder Coat Inlet
- **Interior Finish:** Green Powder Coat
- **Diaphragm:** Fabric Reinforced (NBR) Molded Lip O-Ring Bonnet/Body Seal
- **Relief Type:** Internal Relief - Spring Loaded
- **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 (Full Size), Gray (Compact)

Patented Technology: Pat. #9,400,074 / Pat. #9,709,998

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**Table of Capacities and Specifications:**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type</th>
<th>Capacity in BTU/H LPG(1)</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Outlet Adj. Range (&quot;WC)</th>
<th>Outlet Set Point (&quot;WC)</th>
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<tbody>
<tr>
<td>MEGR-1222D-BAF</td>
<td>Compact</td>
<td>500,000</td>
<td>1/2&quot; FNPT</td>
<td>1/2&quot; FNPT</td>
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<td>11</td>
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<td>3/4&quot;, FNPT</td>
<td>9-13</td>
<td>11</td>
</tr>
</tbody>
</table>

(1) Based on 10 PSIG inlet pressure and 20% droop  (2) Indicates back mount configuration  (3) Indicates side discharge configuration

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**Notes:**
- MEC SENTINEL Series are 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.
- Both compact and full size models feature the same basic footprint measurement from inlet to outlet, as all standard Excela-Flo™ second stage regulators, making it ideal for regulator change-outs.
- MEGR-1622D & MEGR-1652D Series feature inlet and outlets that are in-line, while the MEGR-1252D and MEGR-1652D offer a convenient rear back mount discharge outlet. The MEGR-1642D Series offers a side discharge located 90 degrees from the inlet making it ideal for installations with horizontal piping including those with vapor metering systems.

**Excela-Flo Regulations**

Series Second Stage Dielectric Regulators are used to reduce outlet pressures from first stage regulators (normally 10 PSI) to 11” WC in domestic installations. All MEC SENTINEL Series second stage regulators are green with yellow inlet connections indicating low outlet pressure and dielectric separation. Second stage regulator vents have FNPT drip lip tapped ports and our exclusive E-Z grip screens located over the inlet. All MEC Sentinel Series second stage domestic regulators feature an all stainless steel inlet filter screen to reduce debris from passing through the regulator. Both the MEGR-1622D and the MEGR-1652D Series regulators offer optimal relief performance that well exceeds UL test requirements providing double failure overpressure protection (no more than 2 PSI downstream pressure) when used with MEGR-1122H, MEGR-1222H and MEGR-1622H Series First Stage regulators. All MEC Excela-Flo™ 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** 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 2 PSI 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 Excela-Flo™ domestic regulators feature a 25 year recommended replacement life and our exclusive tear away leak check adhesive sticker.

**SPECIFICATIONS**

Type: 2 PSI  
Max. Inlet Pressure: 10 PSIG  
Exterior Finish: White 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  
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  
Patented Technology: Pat. #9,400,074 / Pat. #9,709,998

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type</th>
<th>Capacity in BTU/H LPG(1)</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Vent Port</th>
<th>Outlet Adj. Range (PSI)</th>
<th>Outlet Set Point (PSI)</th>
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<td>1/2” FNPT</td>
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<td>3/4” FNPT</td>
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<td>3/4” FNPT</td>
<td>3/4” FNPT</td>
<td>1.0 - 2.2</td>
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(1) Based on 10 PSIG inlet pressure and 20% droop  
(2) Indicates back mount configuration
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<tr>
<th>LOAD BTU/HR.</th>
<th>DISTANCE</th>
<th>PIPE SIZE</th>
<th>MEC REGULATOR</th>
<th>MEC PIGTAILS</th>
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<tbody>
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<td>80 Feet</td>
<td>1/2” CTS iron pipe or 1/2” OD copper tubing @ 10 PSI</td>
<td>1ST STAGE</td>
<td>Compact MEGR-1122H-AAJ 1/4” x 1/2” MEGR-1222H-BGF F. POL x 1/2”</td>
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<td>2ND STAGE</td>
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<td></td>
<td>100 Feet</td>
<td>5/8” OD copper tubing @ 10 PSI</td>
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<tr>
<td></td>
<td>1,000 Feet</td>
<td>3/4” IPS iron pipe @ 10 PSI</td>
<td>1ST STAGE Compact MEGR-1122H-AAJ 1/4” x 1/2” MEGR-1222H-BGF F. POL x 1/2” MEGR-1222H-BGJ F. POL x 3/4”</td>
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<td>2ND STAGE Full Size - Straight Outlet MEGR-1622D-CFF 1/2” x 3/4” MEGR-1622D-DFF 3/4” x 3/4” Backmounts MEGR-1652D-CFF 1/2” x 3/4” MEGR-1652D-DFF 1/2” x 3/4”</td>
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<td>70 Feet</td>
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<td>600 Feet</td>
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<td>1,000,000</td>
<td>1/2” CTS iron pipe or copper tubing @ 10 PSI</td>
<td>1ST STAGE Compact MEGR-1122H-AAJ 1/4” x 1/2” MEGR-1222H-BGF F. POL x 1/2” MEGR-1222H-BGJ F. POL x 3/4”</td>
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