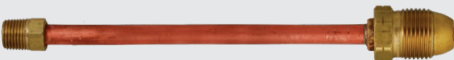
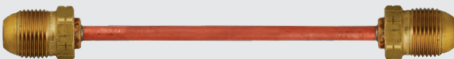
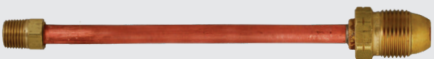
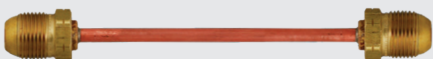
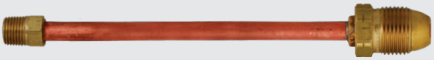
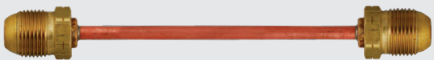
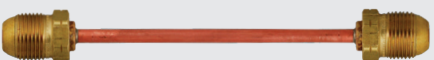


# FIRST & SECOND STAGE REGULATORS

## SENTINEL™ SERIES QUICK REFERENCE GUIDE

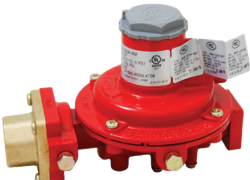


Free tech support call: 269 789 6700

| LOAD<br>BTU/HR.                                                                                                                                                                                                                                                        | DISTANCE<br>maximum distance<br>from first to second<br>stage regulator                                                                                                                                                                                                                                                                            | PIPE SIZE<br>between first<br>and second<br>stage regulator                                                                                                                                                                           | MEC REGULATOR                                                                                                                                                                                                                                                                                                                                        | MEC PIGTAILS                                                                                                                                                                                                                                                                                                                                          |              |           |              |              |           |              |              |           |              |              |           |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|--------------|--------------|-----------|--------------|--------------|-----------|--------------|--------------|-----------|-----------|
| 400,000                                                                                                                                                                                                                                                                | 80 feet                                                                                                                                                                                                                                                                                                                                            | 1/2" CTS iron<br>pipe or 1/2" O.D.<br>copper tubing<br>@ 10 PSI                                                                                                                                                                       | <div>1ST STAGE</div> <div>Compact<br/>MEGR-1122H-AAJ 1/4" X 1/2"<br/>MEGR-1222H-BGF F. POL X 1/2"</div>                                                                                                                                                           |  <table><tr><th>1/4" X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1689-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1669-12</td></tr><tr><td>1/4" tube OD</td><td>6"</td><td>ME1669-06</td></tr></table>   | 1/4" X POL   | Length    | Part. No.    | 3/8" tube OD | 12"       | ME1689-12    | 1/4" tube OD | 12"       | ME1669-12    | 1/4" tube OD | 6"        | ME1669-06 |
|                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                       | 1/4" X POL                                                                                                                                                                                                                                                                                                                                           | Length                                                                                                                                                                                                                                                                                                                                                | Part. No.    |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1689-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1669-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1669-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| <div>2ND STAGE</div> <div>Compact<br/>MEGR-1222D-BAF 1/2" X 1/2"<br/>MEGR-1222D-CFF 1/2" X 3/4"<br/>Backmount<br/>MEGR-1252D-BAF 1/2" X 1/2"<br/>MEGR-1252D-CFF 1/2" X 3/4"</div>  |  <table><tr><th>POL X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1680-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1664-12</td></tr><tr><td>3/8" tube OD</td><td>6"</td><td>ME1680-06</td></tr></table> | POL X POL                                                                                                                                                                                                                             | Length                                                                                                                                                                                                                                                                                                                                               | Part. No.                                                                                                                                                                                                                                                                                                                                             | 3/8" tube OD | 12"       | ME1680-12    | 1/4" tube OD | 12"       | ME1664-12    | 3/8" tube OD | 6"        | ME1680-06    |              |           |           |
| POL X POL                                                                                                                                                                                                                                                              | Length                                                                                                                                                                                                                                                                                                                                             | Part. No.                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1680-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1664-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1680-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 600,000                                                                                                                                                                                                                                                                | 40 Feet                                                                                                                                                                                                                                                                                                                                            | 1/2"CTS iron pipe<br>or 1/2" O.D.<br>copper tubing<br>@ 10 PSI                                                                                                                                                                        | <div>1ST STAGE</div> <div>Compact<br/>MEGR-1122H-AAJ 1/4" X 1/2"<br/>MEGR-1222H-BGF F. POL X 1/2"<br/>MEGR-1222H-BGJ F. POL X 3/4"</div>                                                                                                                        |  <table><tr><th>1/4" X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1689-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1669-12</td></tr><tr><td>1/4" tube OD</td><td>6"</td><td>ME1669-06</td></tr></table> | 1/4" X POL   | Length    | Part. No.    | 3/8" tube OD | 12"       | ME1689-12    | 1/4" tube OD | 12"       | ME1669-12    | 1/4" tube OD | 6"        | ME1669-06 |
|                                                                                                                                                                                                                                                                        | 1/4" X POL                                                                                                                                                                                                                                                                                                                                         | Length                                                                                                                                                                                                                                | Part. No.                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
|                                                                                                                                                                                                                                                                        | 3/8" tube OD                                                                                                                                                                                                                                                                                                                                       | 12"                                                                                                                                                                                                                                   | ME1689-12                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1669-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1669-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 100 Feet                                                                                                                                                                                                                                                               | 5/8" O.D.<br>copper tubing<br>@ 10 PSI                                                                                                                                                                                                                                                                                                             | <div>2ND STAGE</div> <div>Compact<br/>MEGR-1222D-BAF 1/2" X 1/2"<br/>MEGR-1222D-CFF 1/2" X 3/4"<br/>MEGR-1222D-DFE 3/4" X 3/4"</div>             |  <table><tr><th>POL X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1680-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1664-12</td></tr><tr><td>3/8" tube OD</td><td>6"</td><td>ME1680-06</td></tr></table> | POL X POL                                                                                                                                                                                                                                                                                                                                             | Length       | Part. No. | 3/8" tube OD | 12"          | ME1680-12 | 1/4" tube OD | 12"          | ME1664-12 | 3/8" tube OD | 6"           | ME1680-06 |           |
| POL X POL                                                                                                                                                                                                                                                              | Length                                                                                                                                                                                                                                                                                                                                             | Part. No.                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1680-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1664-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1680-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1,000 Feet                                                                                                                                                                                                                                                             | 3/4" IPS Iron pipe<br>@ 10 PSI                                                                                                                                                                                                                                                                                                                     | <div>Backmounts<br/>MEGR-1252D-BAF 1/2" X 1/2"<br/>MEGR-1252D-CFF 1/2" X 3/4"<br/>MEGR-1252D-DFE 3/4" X 3/4"</div>                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 800,000                                                                                                                                                                                                                                                                | 20 Feet                                                                                                                                                                                                                                                                                                                                            | 1/2" O.D.<br>copper tubing<br>@ 10 PSI                                                                                                                                                                                                | <div>1ST STAGE</div> <div>Compact<br/>MEGR-1122H-AAJ 1/4" X 1/2"<br/>MEGR-1222H-BGF F. POL X 1/2"<br/>MEGR-1222H-BGJ F. POL X 3/4"</div>                                                                                                                        |  <table><tr><th>1/4" X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1689-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1669-12</td></tr><tr><td>1/4" tube OD</td><td>6"</td><td>ME1669-06</td></tr></table> | 1/4" X POL   | Length    | Part. No.    | 3/8" tube OD | 12"       | ME1689-12    | 1/4" tube OD | 12"       | ME1669-12    | 1/4" tube OD | 6"        | ME1669-06 |
|                                                                                                                                                                                                                                                                        | 1/4" X POL                                                                                                                                                                                                                                                                                                                                         | Length                                                                                                                                                                                                                                | Part. No.                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
|                                                                                                                                                                                                                                                                        | 3/8" tube OD                                                                                                                                                                                                                                                                                                                                       | 12"                                                                                                                                                                                                                                   | ME1689-12                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1669-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1669-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 70 Feet                                                                                                                                                                                                                                                                | 5/8" O.D.<br>copper tubing<br>@ 10 PSI                                                                                                                                                                                                                                                                                                             | <div>2ND STAGE</div> <div>Full Size - Straight Outlet<br/>MEGR-1622D-CFF 1/2" X 3/4"<br/>MEGR-1622D-DFE 3/4 " X 3/4"</div>                       |  <table><tr><th>POL X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1680-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1664-12</td></tr><tr><td>3/8" tube OD</td><td>6"</td><td>ME1680-06</td></tr></table> | POL X POL                                                                                                                                                                                                                                                                                                                                             | Length       | Part. No. | 3/8" tube OD | 12"          | ME1680-12 | 1/4" tube OD | 12"          | ME1664-12 | 3/8" tube OD | 6"           | ME1680-06 |           |
| POL X POL                                                                                                                                                                                                                                                              | Length                                                                                                                                                                                                                                                                                                                                             | Part. No.                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1680-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1664-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1680-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 600 Feet                                                                                                                                                                                                                                                               | 3/4" IPS<br>iron pipe<br>@ 10 PSI                                                                                                                                                                                                                                                                                                                  | <div>Backmount<br/>MEGR-1652D-CFF 1/2" X 3/4"<br/>MEGR-1652D-DFE 3/4" X 3/4"</div>                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1,000,000                                                                                                                                                                                                                                                              | 10 Feet                                                                                                                                                                                                                                                                                                                                            | 1/2" CTS iron<br>pipe or copper<br>tubing @ 10 PSI                                                                                                                                                                                    | <div>1ST STAGE</div> <div>Compact<br/>MEGR-1222H-BGJ F. POL X 3/4"</div>                                                                                                                                                                                        |  <table><tr><th>POL X POL</th><th>Length</th><th>Part. No.</th></tr><tr><td>3/8" tube OD</td><td>12"</td><td>ME1680-12</td></tr><tr><td>1/4" tube OD</td><td>12"</td><td>ME1664-12</td></tr><tr><td>3/8" tube OD</td><td>6"</td><td>ME1680-06</td></tr></table>  | POL X POL    | Length    | Part. No.    | 3/8" tube OD | 12"       | ME1680-12    | 1/4" tube OD | 12"       | ME1664-12    | 3/8" tube OD | 6"        | ME1680-06 |
|                                                                                                                                                                                                                                                                        | POL X POL                                                                                                                                                                                                                                                                                                                                          | Length                                                                                                                                                                                                                                | Part. No.                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
|                                                                                                                                                                                                                                                                        | 3/8" tube OD                                                                                                                                                                                                                                                                                                                                       | 12"                                                                                                                                                                                                                                   | ME1680-12                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 1/4" tube OD                                                                                                                                                                                                                                                           | 12"                                                                                                                                                                                                                                                                                                                                                | ME1664-12                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 3/8" tube OD                                                                                                                                                                                                                                                           | 6"                                                                                                                                                                                                                                                                                                                                                 | ME1680-06                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 50 Feet                                                                                                                                                                                                                                                                | 5/8" O.D. copper<br>tubbing @ 10 PSI                                                                                                                                                                                                                                                                                                               | <div>Full Size<br/>MEGR-1622H-HGJ F. POL X 1/2"<br/>MEGR-1622H-JGJ F. POL X 3/4"</div>                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |
| 400 Feet                                                                                                                                                                                                                                                               | 3/4" IPS iron pipe<br>@ 10 PSI                                                                                                                                                                                                                                                                                                                     | <div>2ND STAGE</div> <div>Full Size - Straight Outlet<br/>MEGR-1622D-DFE 3/4 " X 3/4"</div> <div>Backmount<br/>MEGR-1652D-DFE 3/4" X 3/4"</div>  |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |              |           |              |              |           |              |              |           |              |              |           |           |



MEGR-1122H  
MAX BTU/H: 1,000,000



MEGR-1222H  
MAX BTU/H: 1,700,000



MEGR-1622H  
MAX BTU/H: 2,750,000



MEGR-1222D  
MAX BTU/H: 800,000



MEGR-1252D  
MAX BTU/H: 650,000



MEGR-1642D  
MAX BTU/H: 900,000



MEGR-16522D  
MAX BTU/H: 1,000,000