**MUeller® GRIP Compression Connections for Water Use (Conductive Type)**

**Product Specifications**

**Material Specifications**

1.1 Nut - Bronze, ASTM B-62.
1.2 Gasket - ASTM D2000, EPDM (CAPS)
1.3 Grip - Bronze ASTM B505 C83600
1.4 Body - Bronze, ASTM B584 C89833
1.5 Rigid Metal Liner (for use with plastic pipe or tubing) - Stainless Steel, ANSI Type 304

**Sizes, Operating Pressure, Operating Temperature**


2.2 Operating Pressure - pressure-holding capability of the Mueller Grip Compression Connection is designed to be greater than that of the valve or fitting on which it is used (only in potable water distribution applications complying with AWWA standards).

2.3 Operating Temperature - range is +32° F to +150° F.

**Tubing and Pipe Dimensions Used with the Mueller Grip Compression Connection**

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Tubing or Pipe OD Range</th>
<th>Wall Thickness Range</th>
<th>Tubing or Pipe ID Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
<td>Minimum</td>
</tr>
<tr>
<td>3/4&quot; CTS</td>
<td>CU (1) PE (2)</td>
<td>0.872</td>
<td>0.871</td>
</tr>
<tr>
<td>1&quot; CTS</td>
<td>CU (1) PE (2)</td>
<td>1.121</td>
<td>1.120</td>
</tr>
<tr>
<td>1 1/4&quot; CTS</td>
<td>CU (1) CU (2)</td>
<td>1.371</td>
<td>1.370</td>
</tr>
<tr>
<td>1 1/2&quot; CTS</td>
<td>CU (1) PE (2)</td>
<td>1.621</td>
<td>1.619</td>
</tr>
<tr>
<td>2&quot; CTS</td>
<td>CU (1) PE (2)</td>
<td>2.120</td>
<td>2.119</td>
</tr>
<tr>
<td>3/4&quot; IPS</td>
<td>Polyethylene</td>
<td>1.045</td>
<td>1.110</td>
</tr>
<tr>
<td>1&quot; IPS</td>
<td>Polyethylene</td>
<td>1.329</td>
<td>1.399</td>
</tr>
</tbody>
</table>

*Type "K" sort copper tubing per ASTM B88; CTS Polyethylene (PE) per ASTM D27378DR-9: IPS, Polyethylene (PE) per ASTM D2239PE SIDR-7

NOTE: Due to the characteristics of plastic tubing and pipe, it is necessary to use a rigid metal liner inside the end of the tubing or pipe.

For more information about us or to view our full line of water products, please visit www.muellerwp.com or call Mueller customer service at 1.800.423.1323.

Mueller refers to one or more of Mueller Water Products, Inc., a Delaware corporation ("MWP"), and its subsidiaries. MWP and each of its subsidiaries are separate and independent entities when providing products and services. MWP does not provide products or services to third parties. MWP and each of its subsidiaries are liable only for their own acts and omissions and not those of each other. MWP brands include Mueller®, Echologics®, Hydro Gate®, Hydro-Guard®, HYMAX®, Jones®, Krausz®, Mi.Net®, Milliken®, Pratt®, Pratt Industrial®, Singer®, and U.S. Pipe Valve & Hydrant. Please see muellerwp.com/brands and krauszusa.com to learn more.

© 2020 Mueller Co., LLC. All Rights Reserved. The trademarks, logos and service marks displayed in this document are the property of Mueller Water Products, Inc., its affiliates or other third parties. Products marked with a section symbol ($) are subject to patents or patent applications. For details, visit www.mwppat.com. These products are intended for use in potable water applications. Please contact your Mueller Sales or Customer Service Representative concerning any other application(s).

F 12686 3/20
DESIGN FEATURES

3.1 **Connection parts** are pre-assembled permitting piping to be stabbed into connection for fast, easy assembly, except for corporation valve use. *For this use only it is necessary to remove the connection while corporation valve is inserted into the main or drilled through.*

3.2 **Serrated grip** holds tubing/pipe securely against pull-out; on metallic tubing assures electrical continuity.

3.3 **Stainless steel washer** beneath gasket reduces assembly friction and avoids gasket twisting or snaking while compressed.

3.4 **Sealing gasket** is totally confined to prevent cold flow or creep which could cause future leakage.

3.5 **Stainless steel continuous tube liners** are used when this connection is used for plastic tubing or pipe, which are flared at one end to prevent over insertion into end of pipe.

3.6 **MUELLER Grip Compression Connections** are supplied as integral parts of a variety of water-works products such as corporation valves, curb valves, meter valves and meter setting materials, and also as separate couplings and fittings.