OVERVIEW

In order to get the best results from your applications, it is good to understand what options you have within Collection 3. Please note that Collection 3 is not intended to interface with other Collections.

COLLECTION 3 BASICS

Collection 3 is the largest KENT Systems Coupling system featuring a barb and thread range of 1/4" thru 1/2". In addition the couplings offer:

- Double O-Ring
- Compact Design
- Hard Stop
- Shut-Off

APPLICATIONS

Ideal applications for Collection 3 include:

- Fuel management systems
- Ink dispensing
- Lab chemicals
- Hydroponics
- Air lines
- Water lines
- Computer cooling
- Many other applications

TUBE BARBS

For 1/4" ID Tubing

For 3/8" ID Tubing

For 1/2" ID Tubing

THREAD OPTIONS

1/4" Male NPT

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Overview Specifications

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Rating</td>
<td>-10 PSI thru 125 PSI</td>
</tr>
<tr>
<td>Temperature Rating</td>
<td>-50°F thru 150°F</td>
</tr>
<tr>
<td>Connection Cycles Body</td>
<td>10,000 connections</td>
</tr>
<tr>
<td>(before product should be replaced)</td>
<td></td>
</tr>
<tr>
<td>Connection Cycles O-ring (Lubricated Buna-N)</td>
<td>10,000 disconnections</td>
</tr>
<tr>
<td>(before o-ring should be replaced)</td>
<td></td>
</tr>
</tbody>
</table>

Specifications for products with Nylon, Acetal, Stainless Steel, Buna-N, materials

Flow Rates Female Couplings

<table>
<thead>
<tr>
<th>BARB SIZE</th>
<th>OPEN-FLOW FEMALE</th>
<th>SHUT-OFF FEMALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4”</td>
<td>4.5 GPM</td>
<td>4 GPM</td>
</tr>
<tr>
<td>3/8”</td>
<td>5+ GPM</td>
<td>5.25 GPM</td>
</tr>
<tr>
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Tested with water, 60°F, 10PSI. Individual results may vary

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Tested with water, 60°F, 10PSI. Individual results may vary

Tubing Sizes

<table>
<thead>
<tr>
<th>TUBE ID</th>
<th>BARB OD</th>
<th>BORE ID</th>
<th>TUBE ID RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” (8 mm)</td>
<td>.425”</td>
<td>.250”</td>
<td>.250” -.375”</td>
</tr>
<tr>
<td>3/8” (9.525 mm)</td>
<td>.129”</td>
<td>.450”</td>
<td>.360” -.390”</td>
</tr>
<tr>
<td>1/2” (12.7 mm)</td>
<td>.600”</td>
<td>.300”</td>
<td>.480” -.520”</td>
</tr>
</tbody>
</table>

Note: Tubing can vary greatly in size and tolerance.
Tube clamps should not be necessary if using quality tubing at reasonable pressures.

MORE INFORMATION

KentSystems.com/Quick_Couplings_C3_QR.php
Discover more about KENT Systems Quick Couplings online.
Simply scan this QR Code to be directed to the Quick Coupling section of our website.
Data charges may apply. See your cell phone provider for details.

Please contact KENT Systems for Free Samples to use in your testing.