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Industrial

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Valve Style</th>
<th>Available Size</th>
<th>Operating Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Couplings</td>
<td>TNV</td>
<td>M6</td>
<td>12 MPa</td>
<td>Not allowed</td>
</tr>
<tr>
<td></td>
<td>VU/VUC</td>
<td>M6</td>
<td>12 MPa</td>
<td>Not allowed</td>
</tr>
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<td></td>
<td>VV/VC</td>
<td>M6</td>
<td>12 MPa</td>
<td>Not allowed</td>
</tr>
<tr>
<td>Flat Face Quick-Release Couplings</td>
<td>Flat-Face</td>
<td>1/4&quot; to 1&quot;</td>
<td>30 MPa</td>
<td>Up to 1000 l/min</td>
</tr>
<tr>
<td>Screw-to-Connect Quick-Release Couplings</td>
<td>Screw-to-Connect</td>
<td>1/4&quot; &amp; 3/8&quot;</td>
<td>30 MPa</td>
<td>Up to 170 l/min</td>
</tr>
</tbody>
</table>

High Pressure

<table>
<thead>
<tr>
<th>Connection Type</th>
<th>Valve Style</th>
<th>Available Size</th>
<th>Operating Pressure</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick-Release Couplings for Ultra High Pressure Applications</td>
<td>PVSM</td>
<td>1/4&quot; to 2&quot;</td>
<td>35 MPa</td>
<td>Up to 700 l/min</td>
</tr>
<tr>
<td></td>
<td>PVSA</td>
<td>1/4&quot; to 2&quot;</td>
<td>35 MPa</td>
<td>Up to 700 l/min</td>
</tr>
<tr>
<td>Screw-to-Connect Quick-Release Couplings for High Pressure Applications</td>
<td>TUHF</td>
<td>1/4&quot; to 1&quot;</td>
<td>45 MPa</td>
<td>Up to 210 l/min</td>
</tr>
</tbody>
</table>

Materials

- Carbon Steel
- AISI 316 Stainless Steel
- Brass
- Carbon Steel versions.
- Stainless Steel versions.
- Interchange according to ISO 7241 standards part B.
- Interchange according to ISO 14540 standards type S.
- Self-aligning Flat-Face quick-release couplings.
### Industrial

- **HNV Steel**: Interchangeable straight couplings. Interchangeable according to ISO 16028 standards. Stainless Steel versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 50 MPa
  - Flow Rate: Up to 500 l/min

- **HNV Brass**: Interchangeable straight couplings. Interchangeable according to ISO 16028 standards. Stainless Steel versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 700 l/min

- **HNV Stainless Steel**: Interchangeable straight couplings. Interchangeable according to ISO 16028 standards. Stainless Steel versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 1000 l/min

- **Flat Face Brass**: Flat Face quick-release couplings. Interchangeable according to ISO 7241 standards. Brass versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 27 MPa

- **Flat Face Stainless Steel**: Flat Face quick-release couplings. Interchangeable according to ISO 7241 standards. Stainless Steel versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 72 MPa

### High Pressure

- **PVVM**: Screw-to-connect quick-release couplings for very high pressure applications. Quick-release for ultra high pressure applications. Stainless Steel and Carbon Steel versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 25 MPa
  - Flow Rate: 4 l/min

- **PVSA**: Screw-to-connect quick-release couplings for very high pressure applications. Quick-release for ultra high pressure applications. PVSM versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 72 MPa
  - Flow Rate: 14 l/min

- **TT15P**: Screw-to-connect quick-release couplings for very high pressure applications. Quick-release for ultra high pressure applications. PVSM versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 60 MPa
  - Flow Rate: Not allowed

### Miscellaneous

- **TNL**: Standard couplings. They have been tested for structural integrity under pressure. They can be used for up to 1 MPa residual pressure. Available in Stainless Steel and Carbon Steel versions.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 1 MPa

- **VU-VUC**: Screw-to-connect quick-release couplings for very high pressure applications. Standard (VU) and compact (VUC) versions. Double alert ring. Working pressure 150 MPa.
  - Connection Type: Screw to Connect
  - Operating Pressure: Up to 100 MPa
  - Flow Rate: 4 l/min
**Industrial**

- **HSS Steel**
  - Interchangeable according to ISO 14540 type P.
  - Under pressure.
  - Not allowed.

- **HSS Stainless Steel**
  - Interchangeable according to ISO 14540 type P.
  - Under pressure.
  - Not allowed.

- **HSS Brass**
  - Interchangeable according to ISO 14540 type P.
  - Under pressure.
  - Not allowed.

- **Flat Face Brass**
  - Interchangeable according to ISO 7241 part B.
  - Faster.
  - High Grade.

- **Screw-to-connect**
  - Interchangeable according to ISO 14540 type S.
  - Faster.
  - High Grade.

- **High Pressure**
  - Interchangeable according to ISO 14540 type P.
  - Under pressure.
  - Not allowed.

- **Flat Face**
  - Interchangeable according to ISO 7241 part B.
  - Faster.
  - High Grade.

- **Push to Connect**
  - Interchangeable according to ISO 7241 part B.
  - Faster.
  - Stainless Steel.

- **Special Connection**
  - Interchangeable according to ISO 14540 type P.
  - Under pressure.
  - Not allowed.

**High Pressure**

- **PVVM**
  - Quick-release couplings for very high pressure applications.
  - Depending on the size.
  - Carbon Steel.

- **PVGIA**
  - Quick-release couplings for very high pressure applications.
  - Depending on the size.
  - AISI 316.

- **IT1F**
  - Quick-release couplings for very high pressure applications.
  - Depending on the size.
  - Carbon Steel.
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We are the global reference in quick-release hydraulic couplings