Self-Sealing and Oscillating Fittings

Parker Legris has developed these two innovative push-in fittings in order to integrate various functions and allow quick installation on pneumatic circuits.

Product Advantages

**Self-Sealing Fittings**
- Prevents fluid flow when there is no tube connected
- Circuits may remain pressurised when being checked and maintained
- When connected, the compressed air flow is restored in both directions

**Oscillating Fittings**
- Rotation matched to cylinder rod stroke
- Prevents tube wear due to excessive flexing
- Optimum reliability and durability
- Simplifies circuit assembly

Technical Characteristics

| Compatible Fluids | Compressed air
| Other fluids: please consult us |
| Working Pressure | Vacuum to 20 bar (10 bar: self-sealing fitting) |
| Working Temperature | -20°C to +80°C |

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Component Materials

**Swivel Fitting**
- Body: Self-sealing fitting: nickel-plated brass
- Oscillating fitting: technical polymer

Silicone-free

Regulations

- ISO 14743: Pneumatic fluid power, push-in connectors for thermoplastic tubes
- DI: 97/23/EC (PED)
- DI: 2002/95/EC (RoHS)
- DI: 1907/2006 (REACH)

Installation Configurations

**Self-Sealing Fitting**

**Oscillating Fitting**

<table>
<thead>
<tr>
<th>Tube O.D. (mm)</th>
<th>Torque (daN.m)</th>
<th>Max. Rotation Speed (turn/min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>&lt;2.5.10⁻²</td>
<td>190</td>
</tr>
<tr>
<td>6</td>
<td>&lt;4.10⁻²</td>
<td>160</td>
</tr>
<tr>
<td>8</td>
<td>&lt;7.10⁻²</td>
<td>120</td>
</tr>
<tr>
<td>10</td>
<td>&lt;1.1.10⁻²</td>
<td>90</td>
</tr>
<tr>
<td>12</td>
<td>&lt;1.6.10⁻²</td>
<td>80</td>
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