Sealing rings
Model 910.17

Applications

- For pressure gauges on pressure-reducing valves

Special features

- Optimal sealing in a readable orientation

Description

Problem
As is generally known, the use of flat sealing washers from soft or non-ferrous metals for pressure gauges, valves and other fittings is often problematic. The screwed connections must be tight, and at the same time, the parts being connected must be in the desired orientation with respect to each other.

Either the pressure gauge is not in the required readable position or the valve is not in the desired operating position, or in the ideal position there is no sealing.

Consequently, it becomes necessary to unscrew and replace flat sealing washers by washers with different thicknesses several times, until the desired sealing quality is achieved.

WIKA solution
With the WIKA sealing ring it is possible to orientate the pressure gauge to the desired position by turning up to a full turn after sealing has been made.

Due to its slightly different form and the higher strength of its material, the WIKA stainless steel sealing ring enables an excellent sealing quality after only a slight turn, but in this material only approx. a further ½ turn is possible for orientation.

Available are two versions:

Version 1:
For self-centering on the centering spigot in accordance with EN 837-1.

Version 2:
For centering in the bore hole, intended for pressure gauge connectors not featuring a spigot or sealing shoulder.
### Mounting examples

**Version 1**
- centering with spigot

**Version 2**
- centering in bore

### Dimensions in mm

<table>
<thead>
<tr>
<th>Design</th>
<th>Thread size</th>
<th>Material</th>
<th>Dimensions in mm</th>
<th>Version</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>D +0.2</td>
<td>d -0.2</td>
<td>s</td>
</tr>
<tr>
<td>G ½</td>
<td>Cu</td>
<td>8 + 0.1</td>
<td>4.1 + 0.1</td>
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<td>G ¼, M12 x 1.5</td>
<td>Al</td>
<td>9.3</td>
<td>5.4</td>
<td>3.2</td>
<td>1</td>
</tr>
<tr>
<td>G ¼, M12 x 1.5</td>
<td>Cu</td>
<td>9.3</td>
<td>5.4</td>
<td>3.2</td>
<td>1</td>
</tr>
<tr>
<td>G ¼, M12 x 1.5</td>
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<td>9.3</td>
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<td>Cu</td>
<td>14.8</td>
<td>8</td>
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<tr>
<td>G ¼</td>
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<td>M12 x 1.5</td>
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<tr>
<td>G ½</td>
<td>Cu</td>
<td>18.2</td>
<td>11</td>
<td>4.2</td>
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</table>
Sealing washers per EN 837-1 (and similar design)
These sealing washers are intended to seal connection of pressure gauges to suitable pipe fittings. The dimensions of the sealing washers comply with the EN 837-1 connection standard and are available as washers of copper (Cu), nickel (Ni), asbestos-free Novapress 300 (NP uni) and PTFE materials.

The PTFE washer with a thickness of 0.5 mm is primarily intended to suit diaphragm gauges with threaded connections, the wetted parts of which are protected against aggressive media by a PTFE lining. With metal washers there is a risk of the PTFE lining being damaged.

The PTFE washer with a thickness of 2.0 mm is mainly intended to suit pressure gauges and chemical seals used for the food industry, where in general the wetted parts are of stainless steel.

Special sealing rings
To fit pressure gauges with G ¾ B lens-seal type connector (e.g. in combination with flange No. 9091165 as per data sheet AC 09.05) a lens-type sealing ring as per EN 837-1 is available.

Double-edge type bulkhead sealing rings
These sealing rings are included for replacement purposes and intended for solder-free tube fittings and bulkhead fittings where the seal is made underneath the hexagon flats of the fitting. Normally, appropriate sealing rings are originally supplied with the fitting.
Ordering Information
To order the described products the 7-digit order no. is sufficient / Optional extras required

The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.