

1. Intended use

The service valve is designed for repairing old service lines up to a maximum operating pressure of 16 bar.

During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with.

Installation and maintenance operations should only be carried out by qualified personnel.




2. Product description

Transition from flange to ZAK® system with integrated service valve.

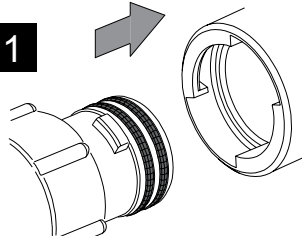
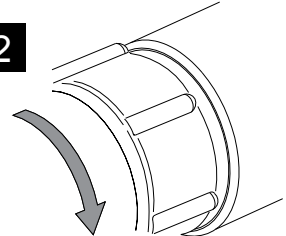
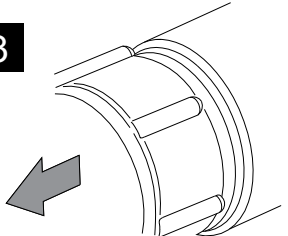
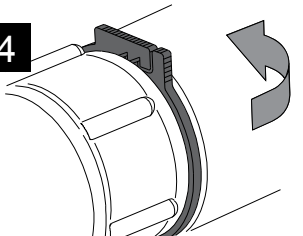
A flange permitting alignment of up to 6°, for connection with valves and accessories, pipe fittings and pipelines with flanged connection and a ZAK® socket with internal bayonet locking and integrated corrosion protection for a restraint connection of valves and pipe fittings with ZAK® spigot end.

3. Installing

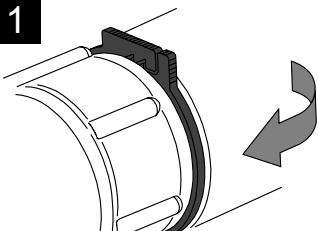
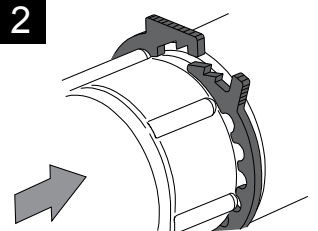
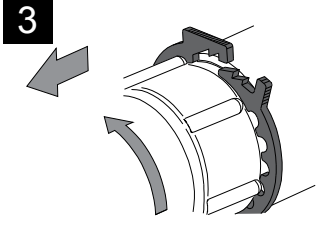
3.1 Installing the flange connection

		
<p>Establishing the flange connection. Bolts may only be tightened slightly or made hand tight for subsequent alignment.</p>	<p>Aligning the valve via the curved slots in the flange. The alignment angle is 6° (maximum 8.5°).</p>	<p>Completing the flange connection by applying the maximum tightening torque to the bolts.</p>

3.2 Installing the ZAK®-System

			
<p>Apply approved lubricant to the O-rings of the spigot end and fully push the ZAK® spigot end into the ZAK® socket.</p>	<p>Rotate the ZAK® connection fitting 90° in a clockwise direction up to the stop.</p>	<p>Pull back the ZAK® connection fitting approx. 4 mm up to the stop.</p>	<p>Slide the retaining ring into the gap and engage the tothing by pressing it together. (The retaining ring can be sufficiently pulled up to enable it to be inserted later.)</p>

3.3 Dismantling the ZAK®-System:

		
<p>Open the tothing of the retaining ring. Expand and retract the retaining ring.</p>	<p>Insert the ZAK® connection fitting up to the stop.</p>	<p>Rotate the ZAK®-connection fitting by 90° in an anti-clockwise direction up to the stop, and pull it out of the ZAK®-connection socket. After dismantling, inspect the O-rings and replace them if necessary.</p>

4. Maintenance

Hawle fittings are maintenance-free.

5. Commissioning and pressure test

After being successfully installed, a pressure test must be carried out in an open pipe trench in accordance with DVGW guidelines.

If you have any other questions or if you need more information please contact:

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