

AVK POM VALVE WITH PENTOMECH™ COUPLINGS



**AVK POM SERVICE
CONNECTION VALVE
WITH PENTOMECH™
COUPLINGS**

Expect... **AVR**

AVK POM SERVICE CONNECTION VALVE WITH PENTOMECH™ COUPLINGS

The unique Pentomech™ coupling design offers easy and secure connection to all PE service connection pipes.

Ease of installation

The Pentomech™ coupling is designed with an external compression nut offering easy and secure installation. After insertion of the PE pipe, the compression nut pre-compresses the conical gasket around the pipe and, at the same time, compresses the tensile grip ring for an instant grip into the pipe surface. This ensures tensile resistance and tightness even at low pressure regardless of the pipe being slightly oval or having an uneven surface.

No special tools are required to install the pipe in the coupling. All that is needed is chamfering and light lubrication of the pipe. Once the pipe is installed in the coupling, the compression nut is easily tightened. The Pentomech™ coupling does not require the use of support bushes.

Disassembly of the coupling is easy and requires no special tools. The compression nut is simply unscrewed and the pipe can be retracted from the coupling. As the disassembly does not damage the tensile grip ring and gasket, the coupling can be reused multiple times.

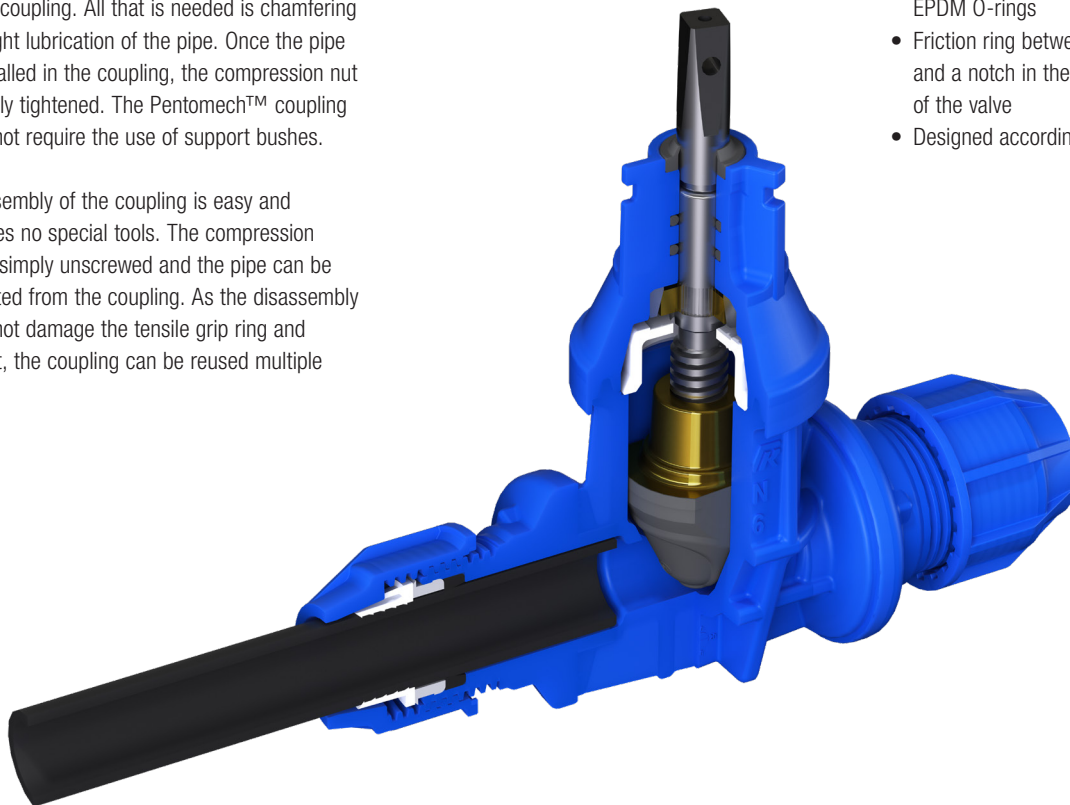
For all PE service connection pipes

The Pentomech™ coupling is PN16 rated and suitable for all PE service connection pipes ranging from DN25/Ø32 mm to DN50/Ø63 mm in both SDR11 and SDR17.

It complies with major standards and is tested and certified by major international certification institutes such as DVGW, KIWA, NF and WRAS.

AVK POM service connection valve design features:

- Friction welded body, bonnet and end adaptors of POM (polyoxymethylene)
- Wedge of low-lead brass CW626N, vulcanized with drinking water approved EPDM rubber and shaped with guides and a special rubber profile ensuring low closing torques
- Stem of stainless steel with high chromium content and rolled threads for high strength and durability
- Stem sealing with NBR wiper ring and two EPDM O-rings
- Friction ring between bonnet and thrust collar and a notch in the stem prevent over torque of the valve
- Designed according to EN-1074 part 1 & 2



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2018-03-20
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