



AVK SERVICE CONNECTION VALVE, POM, PN16

16/80-026

PE pipe ends, PE100, SDR11, 200/200 mm

AVK resilient seated service connection valves are designed with built-in safety in every detail. The wedge is vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The corrosion free materials and the high strength stem safeguard the unmatched reliability.

Product description:

POM service connection valve with AVK bonnet and PE pipes in black/blue, 200/200 mm PE100 PN16. For drinking water and neutral liquids to max. 20°C. Note: The maximum working temperature is set according to the ISO9080 lifetime requirements for PE pipes, and is therefore not the max. temperature for the valve.

Standards:

- Designed according to EN 1074 part 1 & 2

Test/Approvals:

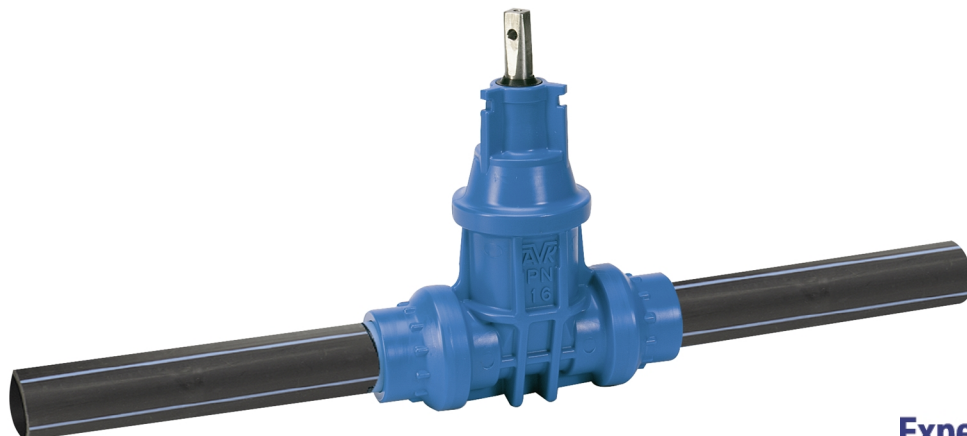
- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test

Features:

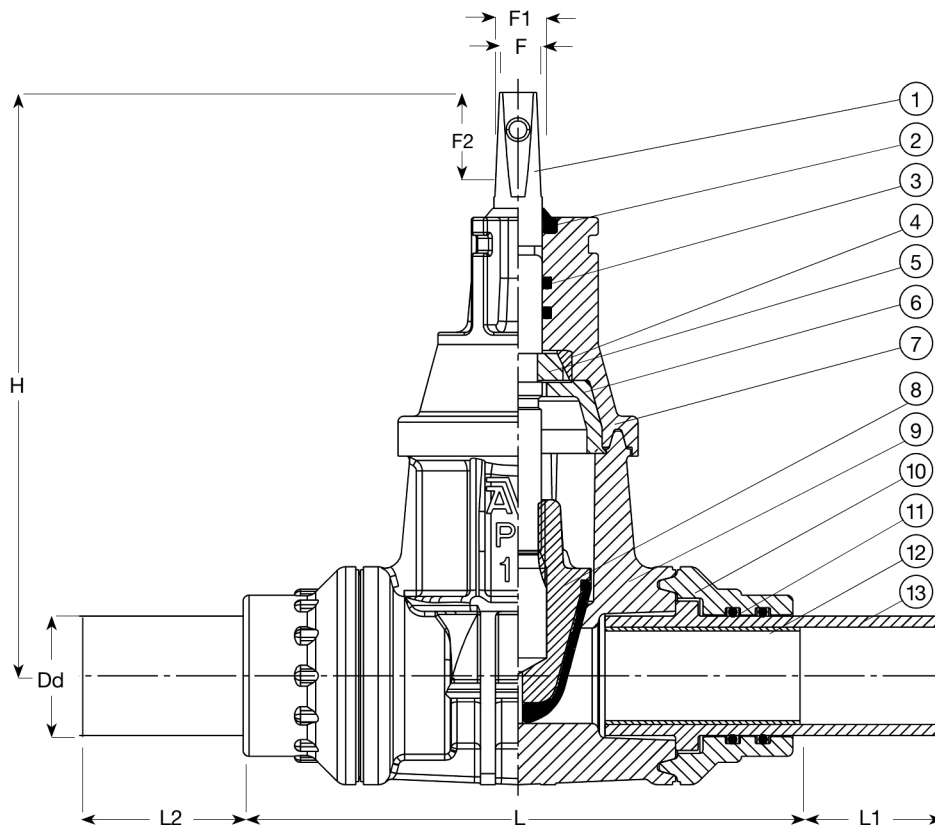
- Friction welded body, bonnet and end adaptors of POM (Polyoxymethylene)
- Wedge of brass CW626N vulcanized with EPDM rubber – both brass and rubber certified for use in contact with drinking water– and shaped with guides and a special rubber profile ensuring low closing torques
- Stem of stainless steel with rolled threads providing high strength
- 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 overtorque of the valve
- PE100 water pipes SDR11 PN16 are mounted in valve ends with two EPDM O-rings externally
- The PE pipe end enables direct welding into PE pipes, resulting in a fast, effective and secure assembly
- Boltless, corrosion-free assembly ensures a strength equal to the PE pipe itself as a minimum
- Note: The maximum working temperature of 20°C is set according to the ISO9080 lifetime requirements for PE pipes. For higher working temperatures expect a reduction of the PE pipe's lifetime. Please refer to the local pipe manufacturer for further information.

Accessories:

Handwheel, stem cap, extension spindle, street cover and tapping saddle.



Expect ... **AVR**



Component list:

1. Stem	Stainless steel 1.4104 (430F)	7. Bonnet	POM
2. Wiper ring	NBR rubber	8. Wedge	Brass DZR CW626N with EPDM
3. O-ring	EPDM rubber	9. Body	POM
4. Friction ring	Stainless steel	10. End adaptor	POM
5. Thrust collar	Brass DZR CW602N	11. O-ring	EPDM rubber
6. Insert	PBT	12. Pipe	PE 100

Components may be substituted with equivalent or higher class materials without prior notification.

Reference nos. and dimensions:

AVK ref. no.	DN	Dd	Product	L	L1	L2	H	F	F1	F2	Theoretical weight/kg
	mm	mm	PN Class	mm	mm	mm	mm	mm	mm	mm	
16-032-80-026	25	32	PN16	167	200	200	180	12	15	35	1.5
16-040-80-026	32	40	PN16	183	200	200	190	12	15	35	1.7
16-050-80-026	40	50	PN16	235	200	200	203	12	15	35	4.6
16-063-80-026	50	63	PN16	282	200	200	213	12	15	35	5.0