



AVK SERVICE CONNECTION VALVE, DI, PN16

03/00-010

Internal thread, DN25-50

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 triple safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

Product description:

Service connection valve with internal thread. For drinking water and neutral liquids to max. 70°C

Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171

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
- Approved according to ÖVGW Certificate W 1.418
- Approved according to Swedish type approval 1350 certified by KIWA

Features:

- 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
- Stainless steel stem with rolled threads providing high strength
- Full circle thrust collar provides fixation of the stem and low free running torques
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings and an EPDM rubber manchette
- EPDM bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Fusion bonded epoxy coating to DIN 30677-2 and AVK guidelines

Accessories:

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

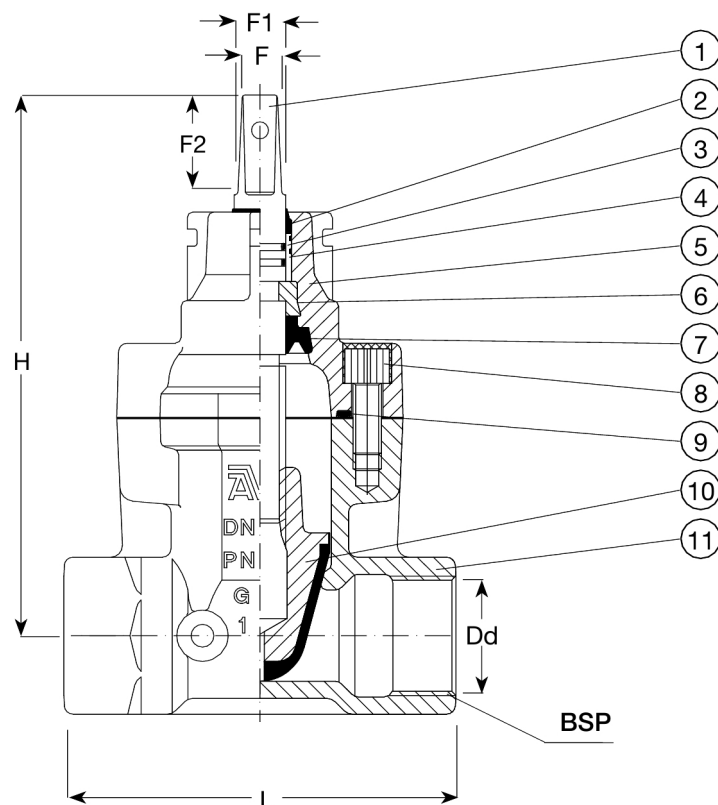


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Component list:

1. Stem	Stainless steel 1.4104 (430F)	7. Manchette	EPDM rubber
2. Wiper ring	NBR rubber	8. Bonnet bolt	Stainless steel A2, sealed with hot melt
3. O-ring	NBR rubber	9. Bonnet gasket	EPDM rubber
4. Bearing	Polyamide	10. Wedge	Brass, DZR CW626N with EPDM
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	11. Body	Ductile iron GJS-500-7 (GGG-50)
6. Thrust collar	Brass, DZR CW602N		

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

Reference nos. and dimensions:

AVK ref. no.	DN	Dd	Product	L	H	F	F1	F2	Theoretical weight / kg
	mm	mm	PN Class	mm	mm	mm	mm	mm	
03-025-00-001 (1)	25	25	PN16	115	180	12	15	35	2.8
03-032-00-001 (2)	25	32	PN16	115	180	12	15	35	2.8
03-040-00-001 (3)	32	40	PN16	137	190	12	15	35	3.3
03-050-00-001 (4)	40	50	PN16	150	203	12	15	35	4.7
03-063-00-001 (5)	50	63	PN16	178	213	12	15	35	6.4

(1) 3/4" internal thread
 (2) 1" internal thread
 (3) 1 1/4" internal thread
 (4) 1 1/2" internal thread
 (5) 2" internal thread