



AVK SUPA LOCK™ SERVICE CONNECTION VALVE, DI, PN 16

103/50-003

With Supa Lock™ spigot end/PRK coupling

AVK Supa Lock™ is a patented service connection system consisting of valves, tapping saddles and fittings with a fast two-step assembly without threads or use of tools. Supa Lock™ features a corrosion protected push-in and quick-lock joint secured by a safety retainer which prevents demounting under pressure. The Supa Lock™ service connection valve has one Supa Lock™ spigot end and one Supa Lock™ socket end with a full bore, and is of the renowned AVK design with triple safety stem sealing and vulcanized wedge.

Product description:

Supa Lock™ service connection valve with spigot end/PRK coupling. 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.

Design standards:

- EN 1074 part 1 & 2, 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
- Belgaqua approved material
- ISO 9001 certified - SAI Global Quality
- ISO 14001 certified - SAI Global Environment

Features:

- 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
- Stainless steel stem with rolled threads providing high strength
- 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
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
- Easy two-step assembly by pushing the Supa Lock™ spigot end into the Supa Lock™ socket end and clicking on the safety retainer
- The safety retainer is easy to mount and demount, and as extra safety the patented Supa Lock™ joint prevents demounting when the system is under pressure
- The spigot valve end is designed with rotation stop to prevent the valve from rotating during the tapping/drilling process
- The Supa Lock™ joint is sealed by two large O-rings of drinking water approved EPDM rubber
- Full Ø32 bore for standard drill bit sizes
- PRK coupling of POM

Accessories:

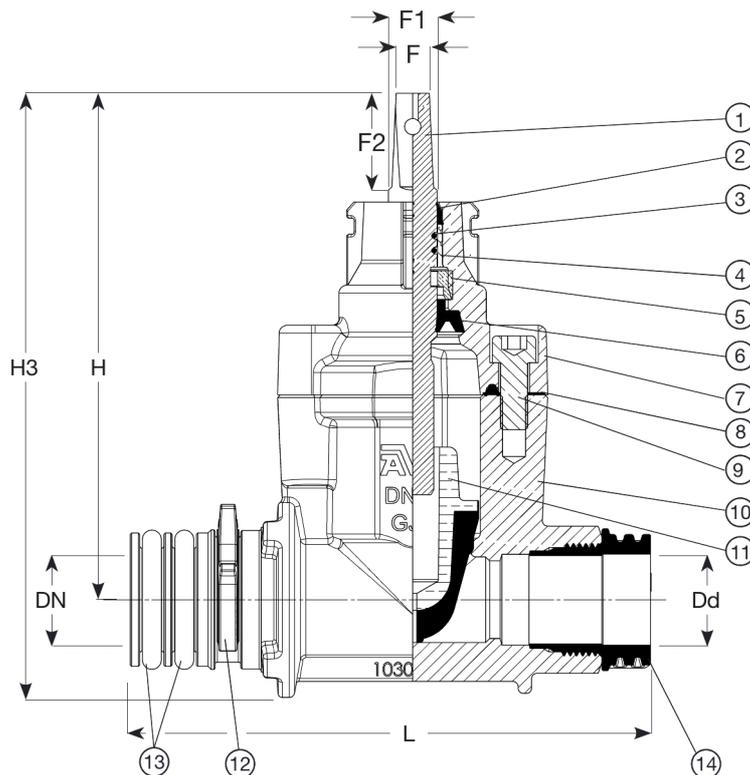
Handwheel, stem cap, extension spindle and street cover. Supa Lock™ tapping saddles and fittings.



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The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.



Component list:

1. Stem	Stainless steel 1.4104 (430F)	8. Bonnet gasket	EPDM rubber
2. Wiper ring	NBR rubber	9. Bonnet bolt	Stainless steel A2, sealed with hot melt
3. O-ring	NBR rubber	10. Body	Ductile iron GJS-500-7 (GGG-50)
4. Bearing	Polyamide	11. Wedge	Brass DZR CW626N with EPDM
5. Thrust collar	Brass DZR CW602N	12. Safety retainer	POM
6. Manchette	EPDM rubber	13. O-ring	EPDM rubber
7. Bonnet	Ductile iron GJS-500-7 (GGG-50)	14. PRK coupling	POM

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

Reference nos. and dimensions:

AVK ref. no.	DN	Dd	L	H3	H	F	F1	F2	Theoretical weight/kg
	mm	mm	mm	mm	mm	mm	mm	mm	
103-032-50-500464	32	32	200	230	190	12	15	35	3.5
103-032-50-510464	32	40	200	230	190	12	15	35	3.5