



AVK MAGNUS PE100 BALL VALVES
Fusible ends / Minimum full bore on all body sizes
Valve sizes OD63 up to OD180

85/50
008
HDPE/BV+SE+2PP

The AVK MAGNUS universal ball valve is for use in the isolation of water & gas on domestic, commercial and industrial premises. The ends are designed for butt-/electro-fusion making the valve an integral part of the fully welded leak-free pipe system.
The valve is designed, manufactured and approved to worldwide leading standards.

Features

- Robust design, suitable for most harsh environments
- Body and spigots made of PE100 black material
- Seat, ball and grease combination ensuring low operating torques and avoids sticking over time
- Selected ball material offering good scratch resistance
- Grease with minimal wearing off from the lubricated surfaces for improved long term performance
- With stem extension and purge points
- White bearing ring for easy identification universal valve
- ASSIST (QR code) asset management to record, track and identify where valves are located and ensure traceability at all times
- Seat compression of large sealing surfaces precisely set via separate pre-assembly
- Flexible spindle shaft to ensure equal compression around the O-rings when loaded by internal pressure
- Fully automated socket welding of stem extension and purge pipes for optimal reliability
- Threaded metal bush in purge valve spigot for durable and secure connections
- BSP thread 1" suitable for universal flares
- Ergonomic synthetic lever for easy operation of purge valve
- Delivered with pressure retaining plug

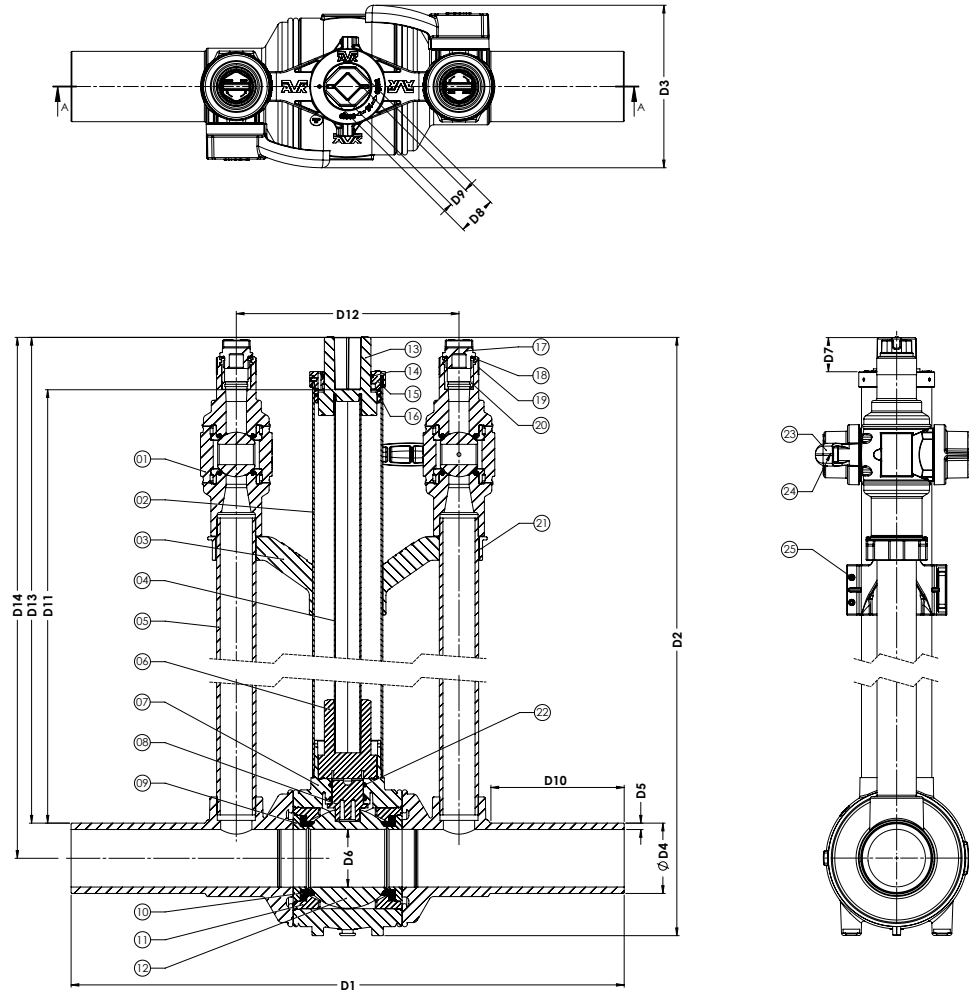
Tests/Approvals

EN1555-4, ISO4437-4, GB15558.3 and EN12201-4



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Component list

1. Purge valve	PE100	14. O-ring	NBR-70
2. Extension pipe	PE100	15. Bearing ring	PA
3. Support bracket	HDPE	16. O-ring	NBR-70
4. Profile	Stainless steel	17. Threaded plug	POM
5. Purge pipe	PE100	18. O-ring	NBR-70
6. Connector	PA-GF	19. Protection ring	A4
7. Body	PE100	20. Threaded bush	AISI 304
8. Stem	POM	21. Support bracket	HDPE
9. Support ring	PE100	22. O-ring	NBR-70
10. Ball seat	NBR-70	23. Lever	PA-GF
11. Seat retainer	PE100	24. Screw	A4
12. Ball	POM	25. PT screw	Galvanized steel
13. Connector	PA-GF		

Reference nos. and dimensions

SDR	AVK ref. nos.	Valve size mm	D1 mm	D2 mm	D3 mm	D4 mm	D5 mm	D6 mm	D7 mm	D8 mm	D9 mm	D10 mm	D11 mm	D12 mm	D13 mm	D14 mm	Weight kg
11	85-063-501510400534	OD63/DN50	705	810	205	63	5.8	50	40	49.6	25.5	170	635	280	705	735	7.6
11	85-090-502510400534	OD90/DN80	710	860	205	90	8.2	74	40	49.6	25.5	170	645	280	715	760	10.0
11	85-110-501510400534	OD110/DN100	715	880	205	110	10.0	86	40	49.6	25.5	170	645	280	710	765	12.1
11	85-125-501510400534	OD125/DN100	710	880	205	125	11.4	86	40	49.6	25.5	170	635	280	700	765	12.3
11	85-160-501510400534	OD160/DN150	790	1045	205	160	14.6	120	40	49.6	25.5	170	750	350	815	895	23.7
11	85-180-501510400534	OD180/DN150	790	1045	205	180	16.4	120	40	49.6	25.5	170	740	350	805	895	24.0
17.6	85-090-501560400534	OD90/DN80	710	860	205	90	5.2	74	40	49.6	25.5	170	645	280	715	760	10.8
17.6	85-110-501560400534	OD110/DN100	715	880	205	110	6.3	86	40	49.6	25.5	170	645	280	710	765	11.7
17.6	85-125-500560400534	OD125/DN100	710	880	205	125	7.1	86	40	49.6	25.5	170	635	280	700	765	12.7
17.6	85-160-501560400534	OD160/DN150	790	1045	205	160	9.1	120	40	49.6	25.5	170	750	350	815	895	24.2
17.6	85-180-500560400534	OD180/DN150	790	1045	205	180	10.3	120	40	49.6	25.5	170	740	350	805	895	23.7

Above dimensions are subject to tolerances