



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

**85/50**  
**006**  
**HDPE/BV+SE+1PP**

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
- 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 point
- 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
- Stainless steel lever for easy operation of purge valve
- Delivered with pressure retaining plug

**Tests/Approvals**

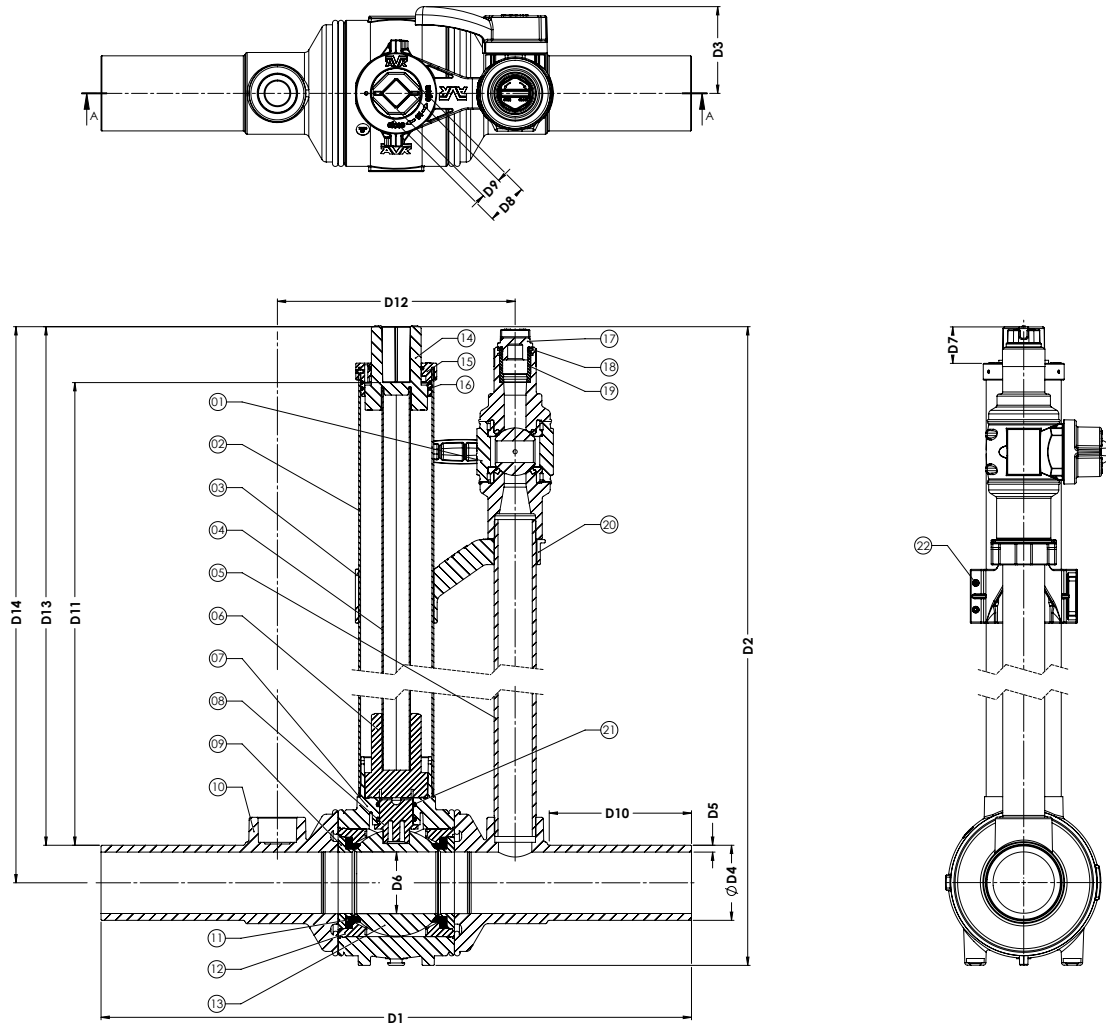
EN1555-4, ISO4437-4, GB15558.3 and EN12201-4



Expect... **AVR**

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**Component list**

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

**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	85-063-501510400533	OD63/DN50	715	810	102.5	63	5.8	50	40	49.5	25.5	170	635	280	700	730	6.2
11	85-090-502510400533	OD90/DN80	710	855	102.5	90	8.2	74	40	49.5	25.5	170	645	285	710	755	9.5
11	85-110-501510400533	OD110/DN100	715	875	102.5	110	10.0	86	40	49.5	25.5	170	645	277	710	765	11.4
11	85-125-501510400533	OD125/DN100	710	875	102.5	125	11.4	86	40	49.5	25.5	170	635	277	700	765	12.2
11	85-160-501510400533	OD160/DN150	795	1045	102.5	160	14.6	120	40	49.5	25.5	170	750	350	815	895	24.4
11	85-180-501510400533	OD180/DN150	795	1045	102.5	180	16.4	120	40	49.5	25.5	170	740	350	805	895	23.6
17.6	85-090-501560400533	OD90/DN80	710	855	102.5	90	5.2	74	40	49.5	25.5	170	645	285	710	755	9.4
17.6	85-110-501560400533	OD110/DN100	715	875	102.5	110	6.3	86	40	49.5	25.5	170	645	277	710	765	11.5
17.6	85-125-500560400533	OD125/DN100	710	875	102.5	125	7.1	86	40	49.5	25.5	170	635	277	700	765	12.2
17.6	85-160-501560400533	OD160/DN150	795	1045	102.5	160	9.1	120	40	49.5	25.5	170	750	350	815	895	23.6
17.6	85-180-500560400533	OD180/DN150	795	1045	102.5	180	10.3	120	40	49.5	25.5	170	740	350	805	895	24.4

Above dimensions are subject to tolerances

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