



AVK MAGNUS PA12 BALL VALVES

Fusible ends / Minimum full bore

Valve sizes OD110 and OD160

85/50

200

PA12/BV

The AVK MAGNUS PA12 ball valve is for use in the isolation of gas on domestic, commercial and industrial premises with operating pressures up to 18 bar*. 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
- Material selection body and spigot (PA12) offering excellent resistance to crack propagation
- 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
- Easy mounting of all standardised spindles due to internal and external drive
- Overtorque protection and replaceable connector under live conditions
- Double spigot length allowing for two electrofusion joints
- Traccoding (barcode) + AVIT (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

Tests/Approvals

EN ISO 16486-4

Accessories/Options

Collar pipe adaptor for 90 mm and 100 mm downpipes

*limited to 16 bar in some CEN member countries



Expect... **AVR**

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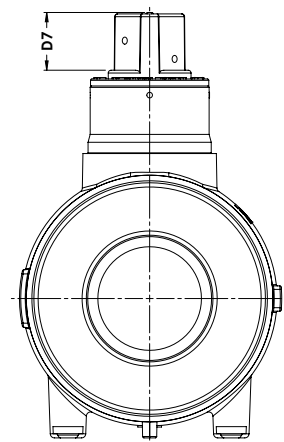
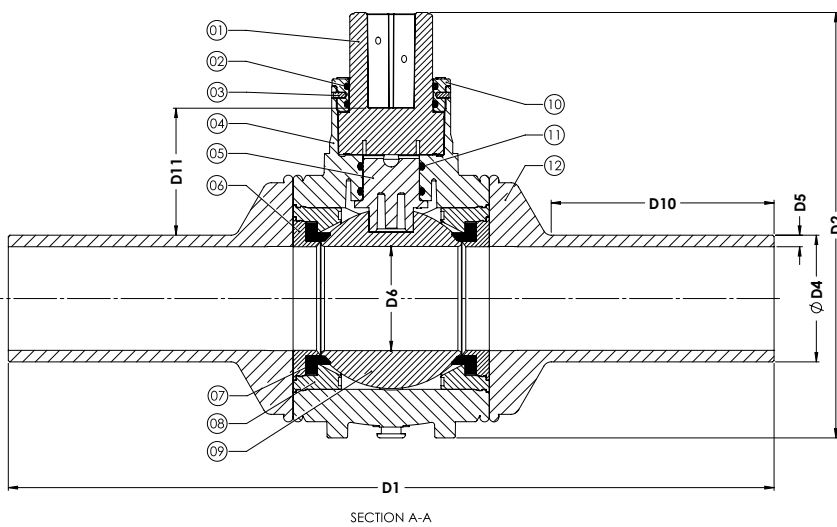
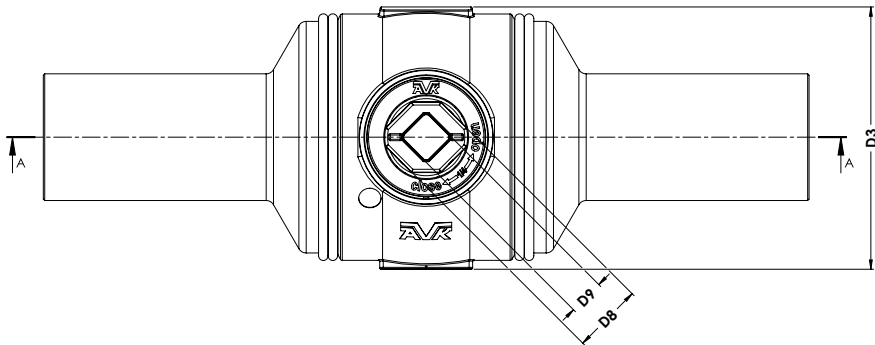
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Component list

1. Connector	PA-GF	7. Ball seat	NBR-70
2. O-ring	NBR-70	8. Seat retainer	PA12
3. Locking pin	PVC	9. Ball	POM
4. Body	PA12	10. Bearing ring	PA
5. Stem	POM	11. O-ring	NBR-70
6. Support ring	PA12	12. Spigot	PA12

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	Weight kg
11	85-110-5014210009	OD110/DN100	585	320	205	110	10.0	86	40	49.5	25.5	165	90	6.7
11	85-160-5014210009	OD160/DN150	710	410	285	160	14.6	120	40	49.5	25.5	196	105	16.3

Above dimensions are subject to tolerances