



AVK CERTUS PE100 BALL VALVES

Fusible ends / Clearway bore*

Valve sizes OD20 up to OD180

85/30

002

HDPE/BV

The AVK CERTUS 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
- Grease with minimal wearing off from the lubricated surfaces for improved long term performance
- Easy mounting of all standardised spindles due to internal (as of OD110) and external drive
- Overtorque protection and replaceable top cap under live conditions
- Available with double spigot length allowing for 2 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 accurately set during automated welding process

Tests/Approvals

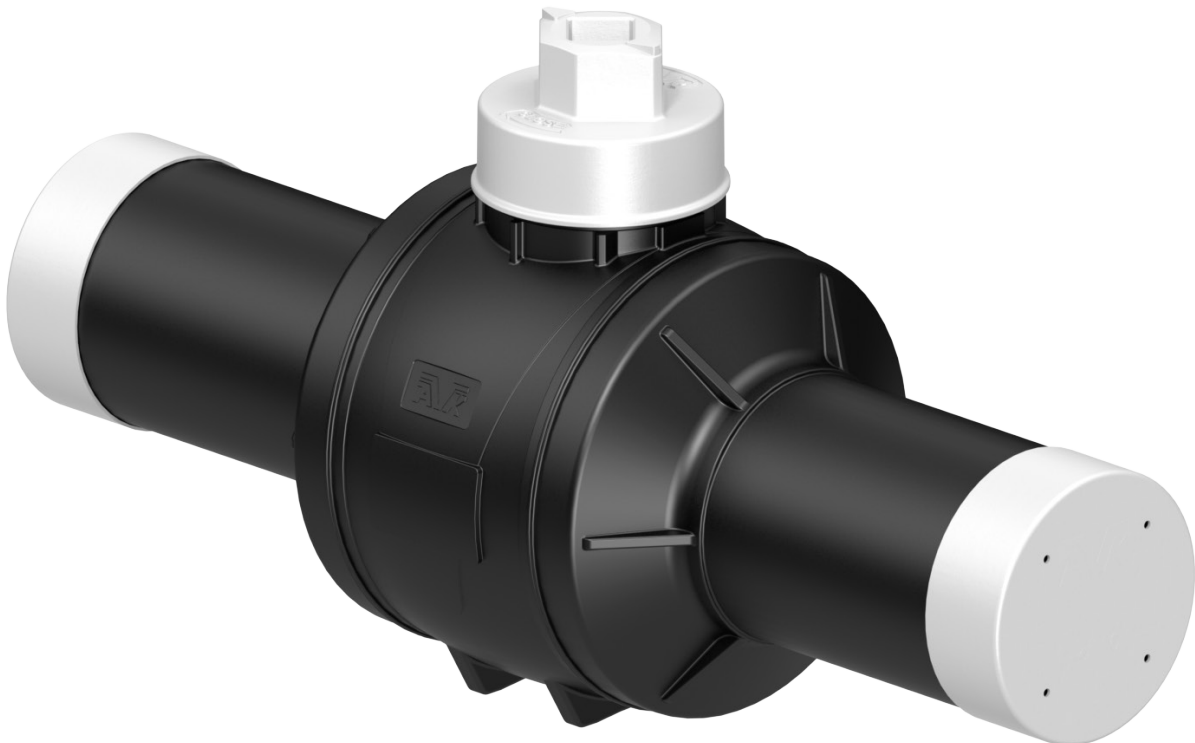
EN1555-4, ISO4437-4, GIS/V7-2 and EN12201-4

Accessories/Options

- Support base (up to OD90)

* Sizes with clearway bore (ID = 100%): OD20, OD32, OD63, OD90, OD110, OD160

Sizes with full bore (ID = >80%): OD40, OD125, OD180



Expect... **AVR**

AVK CERTUS PE100 BALL VALVES

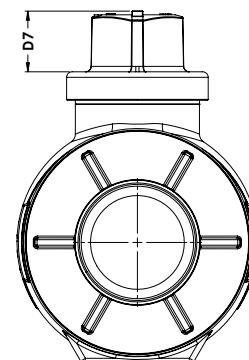
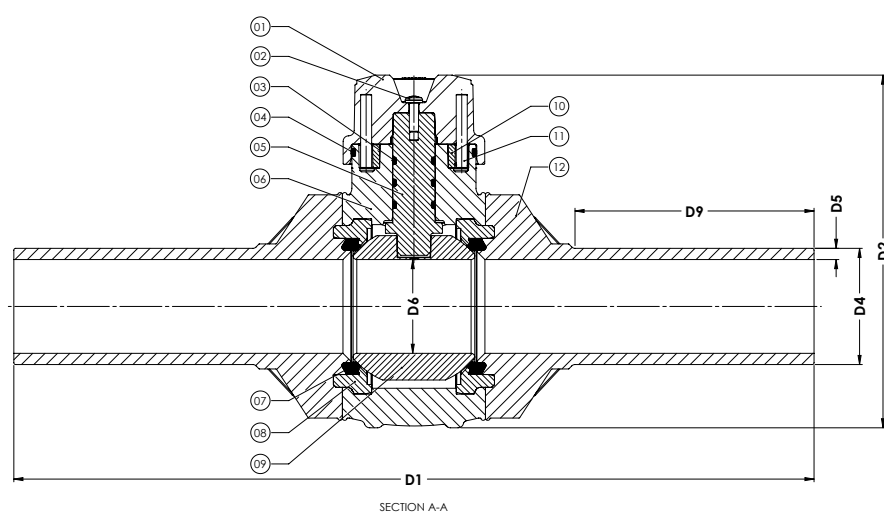
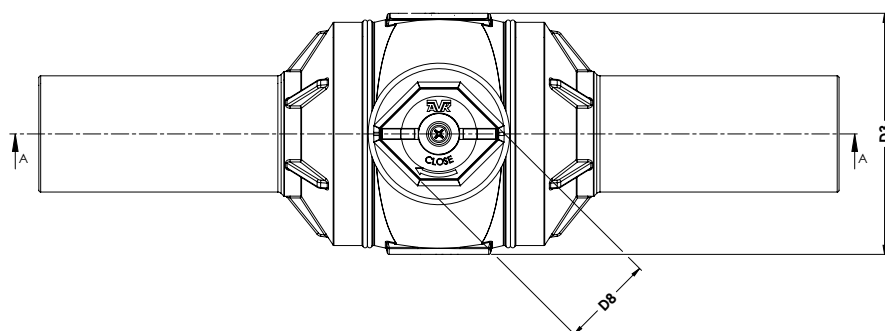
Fusible ends / Clearway bore*

Valve sizes OD20 up to OD90

85/30

002

HDPE/BV



Component list

1. Topcap	PP-GF	7. Ball seat	NBR-70
2. Screw	A4	8. Seat retainer	PP
3. O-ring	NBR-70	9. Ball	PP**
4. O-ring	NBR-70	10. Reinforcement ring	PA-GF
5. Stem	PARA	11. Cylindrical pin	A4
6. Body	PE100	12. Spigot	PE100

**POM ball available on request

Reference nos. and dimensions

AVK ref. nos.	Valve size mm	D1 mm SSL/DSL***	D2 mm	D3 mm	D4 mm	D5 mm	D6 mm	D7 mm	D8 mm	D9 mm SSL/DSL	Weight kg SSL/DSL
85-020-30	OD20/DN25	225 / 305	145	95	20	3.0	26	33	49.6 x 49.6	41 / 82	0.7 / 0.7
85-032-30	OD32/DN25	230 / 320	145	95	32	3.0	26	33	49.6 x 49.6	44 / 88	0.7 / 0.8
85-040-30	OD40/DN25	240 / 340	145	95	40	3.7	26	33	49.6 x 49.6	49 / 98	0.7 / 0.8
85-063-30	OD63/DN50	305 / 435	195	135	63	5.8	51	33	49.6 x 49.6	65 / 130	1.6 / 1.7
85-090-30	OD90/DN80	365 / 520	285	180	90	8.2	74	46	49.6 x 49.6	79 / 158	3.4 / 3.7

***Single spigot length / double spigot length

AVK CERTUS PE100 BALL VALVES

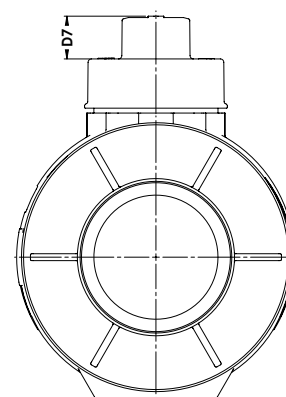
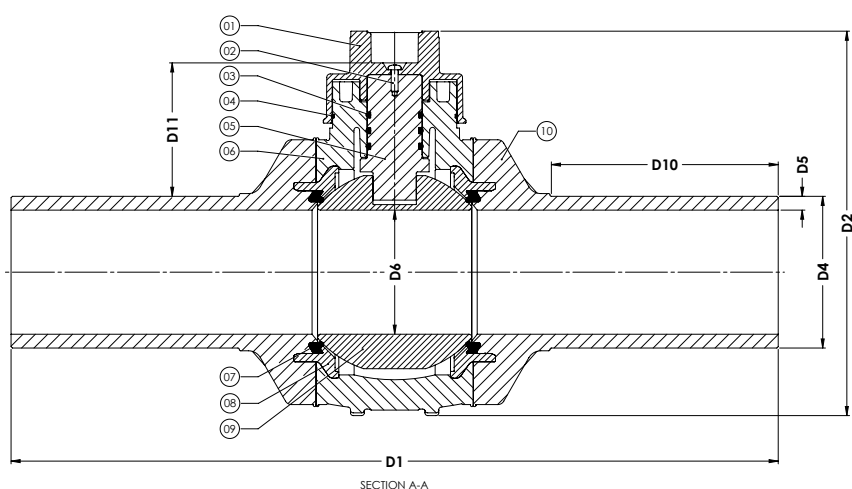
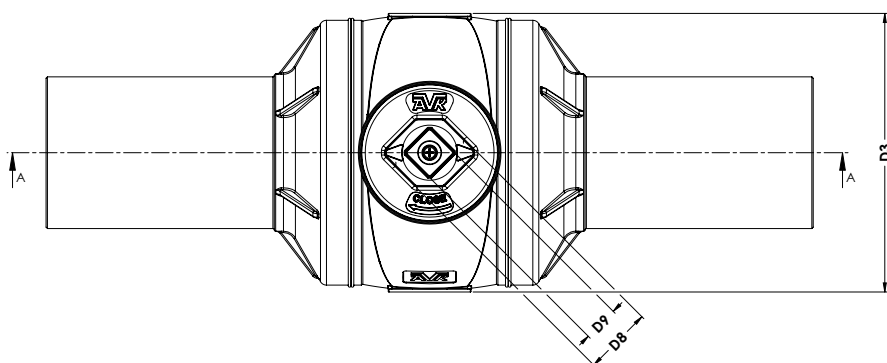
Fusible ends / Clearway bore*

Valve sizes OD110 up to OD180

85/30

002

HDPE/BV



Component list

1. Topcap	PP-GF	6. Body	PE100
2. Screw	A4	7. Ball seat	NBR-70
3. O-ring	NBR-70	8. Seat retainer	PP
4. O-ring	NBR-70	9. Ball	POM
5. Stem	POM	10. Spigot	PE100

Reference nos. and dimensions

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
		SSL/DSL***									SSL/DSL		SSL/DSL
85-110-30	OD110/DN100	395 / 560	280	205	110	10.0	90	31	49.4 x 49.4	25.5 x 25.5	82 / 164	96	4.8 / 5.3
85-125-30	OD125/DN100	410 / 585	280	205	125	11.4	90	31	49.4 x 49.4	25.5 x 25.5	96 / 182	89	5.0 / 5.7
85-160-30	OD160/DN150	505 / 700	370	280	160	14.6	131	35	49.4 x 49.4	25.5 x 25.5	98 / 196	120	12.2 / 13.4
85-180-30	OD180/DN150	525 / 735	370	280	180	16.4	131	35	49.4 x 49.4	25.5 x 25.5	115 / 220	110	12.7 / 14.4

***Single spigot length / double spigot length