

Azzalin
International Valves Manufacturer

AZZALIN BALL VALVES

MANUFACTURER SINCE 1970

Our company philosophy highlights a dynamic organisation covering the different manufacturing phases and is well known for its engineering and technical competence normally used to feed the most difficult and peculiar client's requests.

During the years Azzalin has achieved top prestige with all its clients not only for the excellent quality of the products supplied (always guaranteed by the severe quality tests and controls) but also for the service offered with on-time deliveries

Since 1969, our company is active in the Industrial Valves business in the production of manual and actuated Ball Valves, Gear Operators, Pneumatic and Hydraulic Actuators in different sizes and with different accessories. Gear operator's range covers standard IP65 and Watertight IP67, Sub-Sea, and Underground applications.

BALL VALVES





FLOATING BALL VALVES EVO-2P



FEATURES

- Bolted body type, 2-piece
- Floating ball
- Full and reduced bore
- End to end dimensions: ASME B16.10 & UNI EN 2-558
- Anti Blowout stem
- Antistatic device
- ISO 5211 top flange
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MESG SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



MATERIALS

- Body / end connector: carbon steel, stainless steel, duplex & super duplex, titanium upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem: stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE+ELGILOY, GRAPHITE, other upon request
- Lever / stem fittings: stainless steel grade 316/304



STANDARDS

- Min. thickness according to ASME B16.34
- Fire safe certified according to API 5 607th ed. & EN ISO 10497
- Body joints according to ASME VIII Div.1/Div.2 & ASME B16.34 upon request
- Wet materials according to NACE MR-0175



FLOATING BALL VALVES EVO-3P



FEATURES

- Bolted body type, 3-piece
- Floating ball
- Full and reduced bore
- Swing out body with flat faces
- End to end dimensions: manufacturer standard
- Anti Blowout stem
- Antistatic device
- ISO 5211 top flange
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female, integral nipples of any length
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MESC SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



MATERIALS

- Body / end connector: carbon steel, stainless steel, duplex & super duplex, titanium upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem: stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE+ELGILOY, GRAPHITE, other upon request
- Lever / stem fittings: stainless steel grade 316/304



STANDARDS

- Min. thickness according to ASME B16.34
- Fire safe certified according to API 5 607th ed. & EN ISO 10497
- Body joints according to ASME VIII Div.1/Div.2 & ASME B16.34 upon request
- Wet materials according to NACE MR-0175

FLOATING BALL VALVES EVO-DBB



FEATURES

- Bolted body type, 3-piece
- Floating ball
- Full and reduced bore
- Needle valve
- Needle port plug upon request
- Anti Blowout stem
- Antistatic device
- SO 5211 top flange
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female
- Quill of any length available upon request
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MSC SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



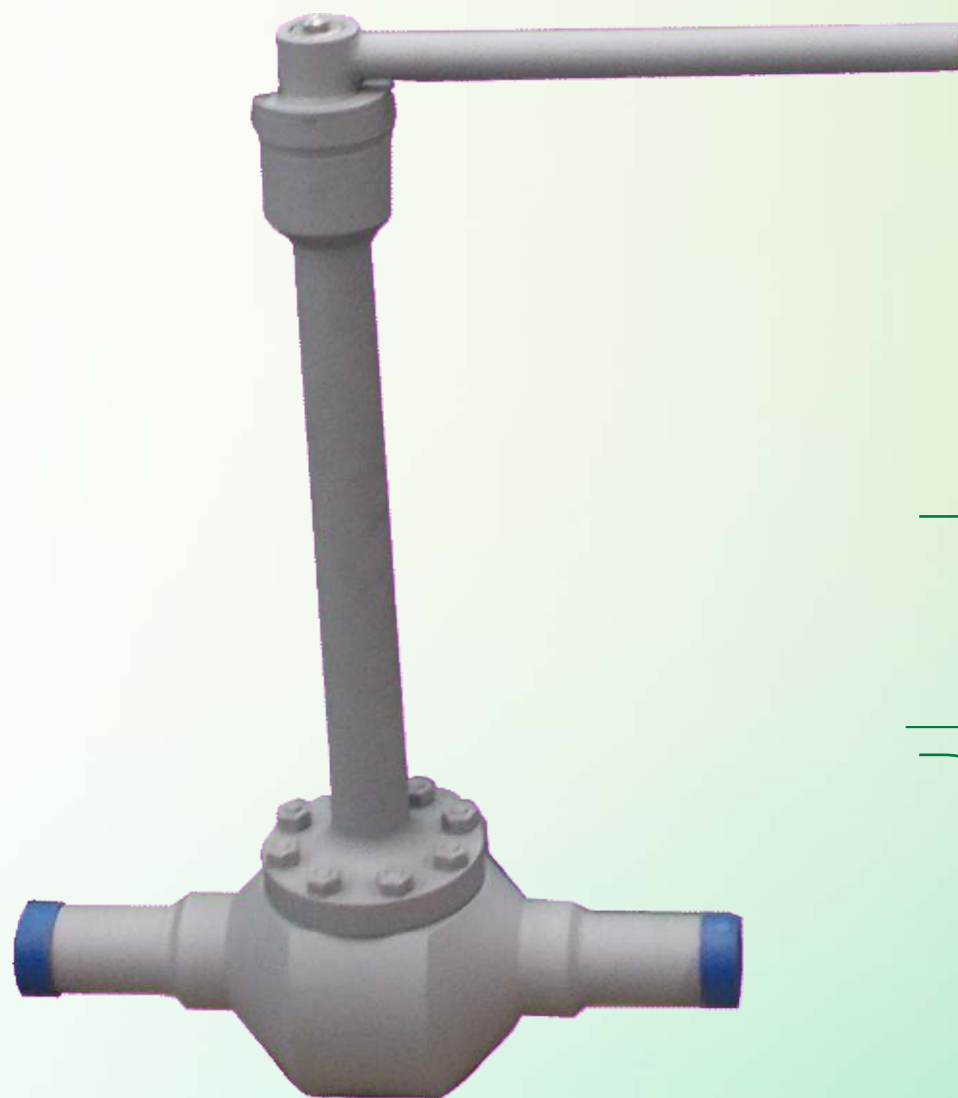
MATERIALS

- Body / end connector: carbon steel, stainless steel, duplex & super duplex, titanium upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem: stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE+ELGILOY, GRAPHITE, other upon request
- Lever / stem fittings: stainless steel grade 316/304
- Needle valve: stainless steel, duplex & super duplex



STANDARDS

- End to end dimensions: manufacturer standard
- Min. thickness according to ASME B16.34
- Body joints according to ASME VIII Div.1/Div.2 &
- Fire safe certified according to API 5 607th ed. & EN ISO 10497
- ASME B16.34 upon request
- Wet materials according to NACE MR-0175



FLOATING BALL VALVES EVO-TE



FEATURES

- Bolted body type, 2-piece
- Floating ball
- Full and reduced bore
- End to end dimensions: ASME B16.10 & UNI EN 2-558
- Anti Blowout stem
- Antistatic device
- ISO 5211 top flange
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MESG SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



MATERIALS

- Body / end connector: carbon steel, stainless steel, duplex & super duplex, titanium upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem: stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE+ELGILOY, GRAPHITE, other upon request
- Lever / stem fittings: stainless steel grade 316/304



STANDARDS

- Min. thickness according to ASME B16.34
- Fire safe certified according to API 5 607th ed. & EN ISO 10497
- Body joints according to ASME VIII Div.1/Div.2 & ASME B16.34 upon request
- Wet materials according to NACE MR-0175

TRUNNION MOUNTED BALL VALVES EVO-TR



FEATURES

- Bolted body type, 3-piece
- Trunnion mounted, double block and bleed
- Full and reduced bore
- Anti Blowout stem
- Antistatic device
- Double piston effect, self relieving seats, or combination of the two seat designs
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female
- Quill of any length available upon request
- Emergency grease stem sealing
- Emergency grease seat-to-ball sealing available
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MESC SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



MATERIALS

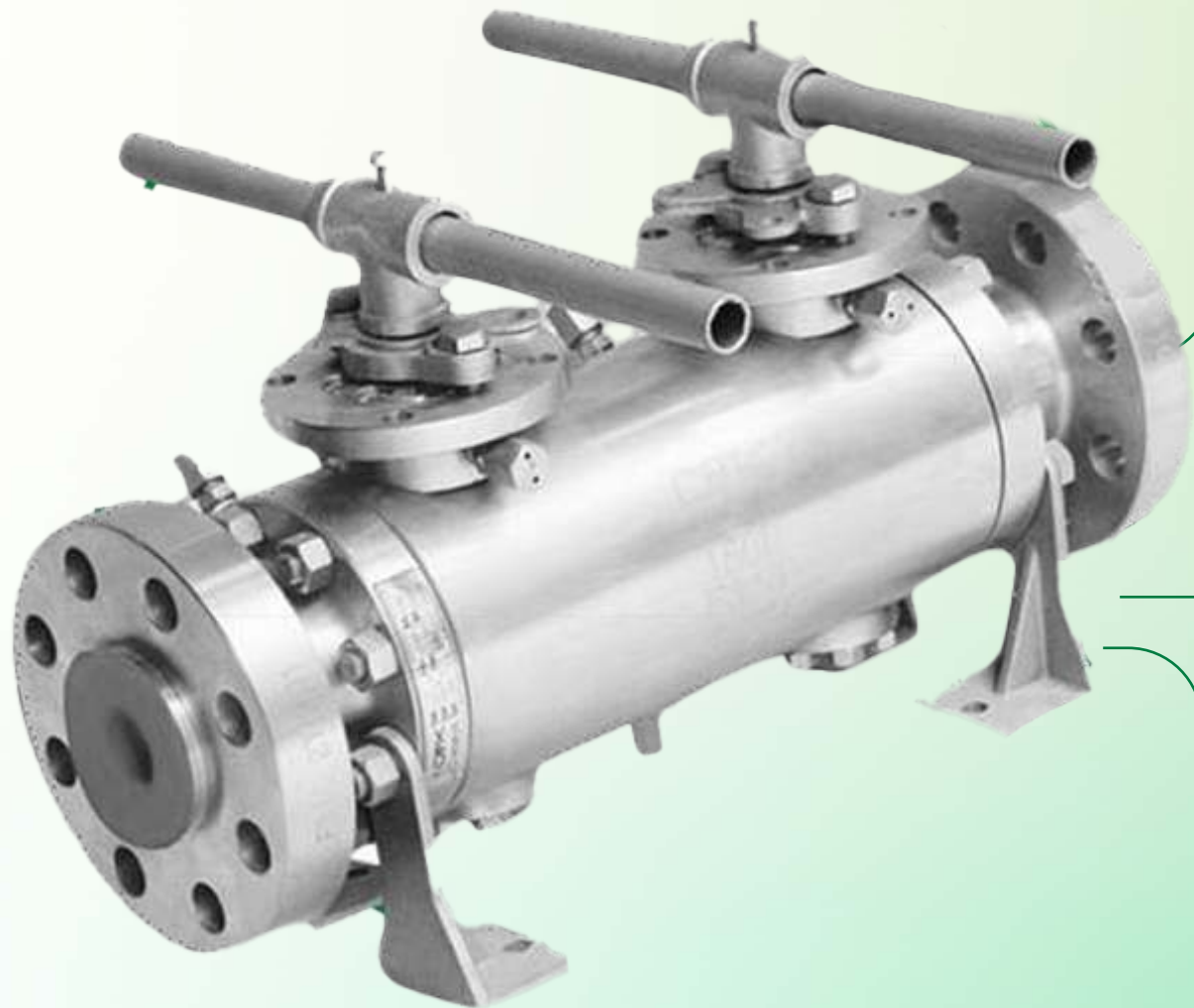
- Body / end connector: carbon steel, stainless steel, duplex & super duplex, other upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem: stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE + ELGILOY, GRAPHITE, other upon request
- Stem fittings: stainless steel grade 316/304, other upon request



STANDARDS

- End-to-end dimensions: API 6D / ASME B16.10
- Min. Thickness according to ASME B16.34

TRUNNION MOUNTED BALL VALVES EVO-DBB TR



FEATURES

- Bolted body type, 3-piece
- Trunnion mounted, double block and bleed
- Full and reduced bore
- Needle valve
- Needle port plug upon request
- Anti Blowout stem
- Antistatic Device
- ISO 5211 top flange
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female
- Quill of any length available upon request
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MESC SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



MATERIALS

- Body / end connector: carbon steel, stainless steel, duplex & super duplex, titanium upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem: stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE+ELGILOY, GRAPHITE, other upon request
- Lever / stem fittings: stainless steel grade 316/304
- Needle valve: stainless steel, duplex & super duplex



STANDARDS

- End-to-end dimensions: manufacturer standard
- Min. thickness according to ASME B16.34



TRUNNION MOUNTED BALL VALVES EVO-TETR



FEATURES

- Bolted body type, 2-piece
- Trunnion mounted, double block and bleed
- Full and reduced bore
- Anti Blowout stem
- Antistatic device
- Double piston effect, self relieving seats, or combination of the two seat designs
- Ends: flanged, butt welding, socket welding, plain ends, threaded ISO GAS 1/228 & NPT ASME B1.20.1, male & female
- Quill of any length available upon request
- Emergency grease stem sealing
- Emergency grease seat-to-ball sealing available
- High temperature design achievable, with stem extension of different heights
- Cryogenic service design achievable, with stem extension heights according to MESG SPE 200/77
- Gaskets for sour service available
- Mounting for electric or pneumatic actuator available



MATERIALS

- Body / end connector: carbon steel ,stainless steel, duplex & super duplex, other upon request
- Obturator: stainless steel, duplex & super duplex, other upon request
- Stem:stainless steel, duplex & super duplex, other upon request
- Insert: PTFE, RPTFE, DEVLON, PEEK, other upon request
- Gaskets: PTFE, FKM, HNBR, PTFE + ELGILOY, GRAPHITE, other upon request
- Stem fittings: stainless steel grade 316/304, other upon request



STANDARDS

- End-to-end dimensions: API 6D / ASME B16.10
- Min. Thickness according to ASME B16.34

BUTTERFLY VALVES





BUTTERFLY LUG-TYPE VALVES EVO-BU

SIZE: 2" ÷ 120"
ASME CLASS 150 LBS.

APPLICABLE STANDARDS:

- Design: ANSI B16.34/ ASME VIII/ API 609
- Face to face: API 609 A / ISO 5211 / DIN 3337
- Flange: B16.5/ B16.47/ASME VIII/ DIN/ ISO/UNI/ AWWA M
- Testing: API 598
- Fugitive emission: ISO 1-150484
- NORSOK

TEMPERATURE LIMITS FROM -20°C TO +150°C.

BODY STYLES:

WAFER

LUG

DOUBLE
FLANGED

RUBBER-LINED FEATURES ARE ALWAYS AVAILABLE.



BUTTERFLY TRIPLE OFFSET VALVES EVO-BU 3OFF

SIZE: 2" ÷ 120"
ASME CLASS FROM 150 TO 2500 LBS.

APPLICABLE STANDARDS:

- Design: ANSI B16.34/ ASME VIII/ API 609
- Face to face: API 609 / ISO 5752 short
- Flange: B16.5/ B16.47/ASME VIII/ DIN/ ISO
- Testing: API 598
- Fugitive emission: ISO 1-150484
- Fire test: BS 6755-API 607-ISO FDIS 10497
- NORSOK

TEMPERATURE LIMITS FROM -196°C TO +818°C.

BODY STYLES:

WAFER

LUG

DOUBLE
FLANGED -
SHORT AND
LONG
PATTERN

RUBBER-LINED FEATURES ARE ALWAYS AVAILABLE.

CERTIFICATIONS



COMPANY CERTIFICATIONS

1. UNI EN ISO 9001
2. UNI ISO 45001
3. LICENZA USO MONOGRAMMA API N. 6D-1970
4. API SPEC. Q1 - API 6D

PRODUCT CERTIFICATIONS

PED 68/2014/UE

Ball Valve Floating e Trunnion Range temperature
-300+ 60 Gruppo fluido 2 , 1

ATEX 34/2014/EU

Ball Valve EVO X, Gruppo II, Categoria 2G, 2D

FIRE SAFE

Ball Valve Floating eTrunnion (EVO-2P, EVO-3P,
EVO-MB, EVO-SBB, EVO-SBB-CRY, EVO TR, EVO
TE) in accordo ISO 10497 e API 607

Needle Valve (EVO-DBB BS) in accordo API 6FA

FUGITIVE EMISSION

Ball Valve Floating Trunnion e Needle (EVO-2P,
EVO-SBB-CRY, EVO TR, EVO TE EVO-DBB BS,
EVO-DBB NE) in accordo ISO 1-15848

SIL 2

Ball Valve Floating e Trunnion in accordo ASME
B16.34, API 6D O BS EN ISO 17292

TAT - Shell MESC SPE 300/77

Ball valve Floating e Trunnion (EVO-DBB, EVO-2P,
EVO-CRY, EVO-TR)

OUR REFERENCES

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