

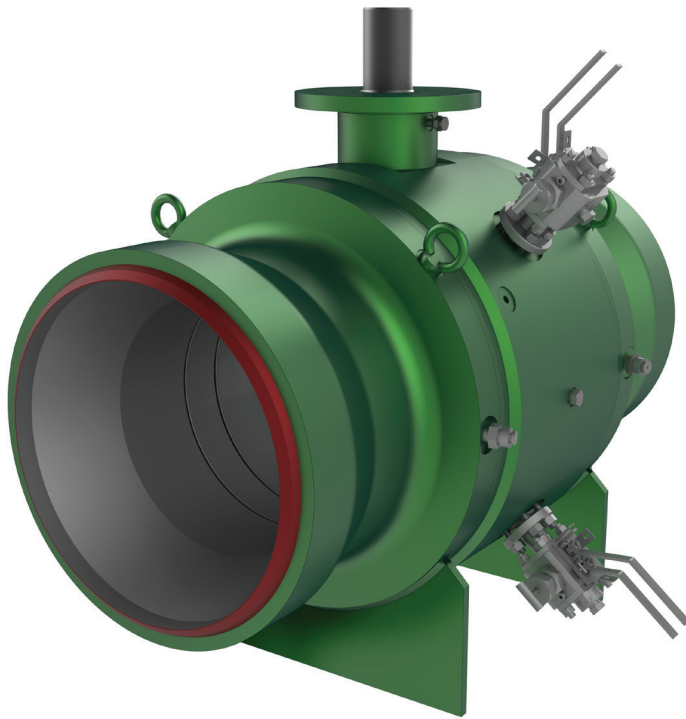
Fully welded side-entry trunnion ball valves BTU and BTW series

NPS 2–56 (DN 50–1400), ASME Classes 150–2500

Velan ABV offers a complete range of fully welded two or three-piece side-entry ball valves. The fully welded body construction provides a lighter solution while also avoiding potential leak paths to the external environment, ensuring reliable protection of the whole system. A solid double trunnion configuration and two independent seats with bidirectional sealing ensure the greatest level of tightness

and reliability under high pressure and temperature conditions in all critical isolation services.

Several unique features are available offering advanced technical solutions suitable for sweet or acid gas processes or pipelines applications. Material selection is fully customizable to meet customers project specifications.



Design features

- Double block and bleed design (DBB).
- Secondary seals in pure Graphite.
- Anti-static device.
- Anti-blowout stem.
- Soft-seated or metal-seated designs with hardfacing on ball and seats.
- Seat configurations available: self-relieving or double piston.
- Emergency sealant injection on seats and stem available.
- Low fugitive emission stem packing available.
- CRA overlay on all dynamic sealing areas or on all wetted parts available.
- Stem extension for underground installations.

Operator

- Manual: wrench or gear with padlocking.
- Actuated: pneumatic/ hydraulic/electric.

Specifications

Valve design	As per API 6D standard and customer requirements
Body design	Forged welded two-piece and three-piece
Temperature range	-150 to 428°F (-101 to 220°C)
Face-to-face	As per API 6D standard
End connections	RF, RTJ as per B16.5 & B16.47 BW, Butt weld as per B16.25

Testing & certification

- Compliance with inspection and testing: API 6D, ISO 5208, and API 598.
- Fire safe and fire tested as per API 6FA/ 607.
- SIL 3 Certification as per IEC 61508.
- Fugitive emission as per ISO 15848.
- PED 2014/68/UE.