



Modular double block and bleed floating ball valves

Quick sheet

BFD, BFC, BXD series

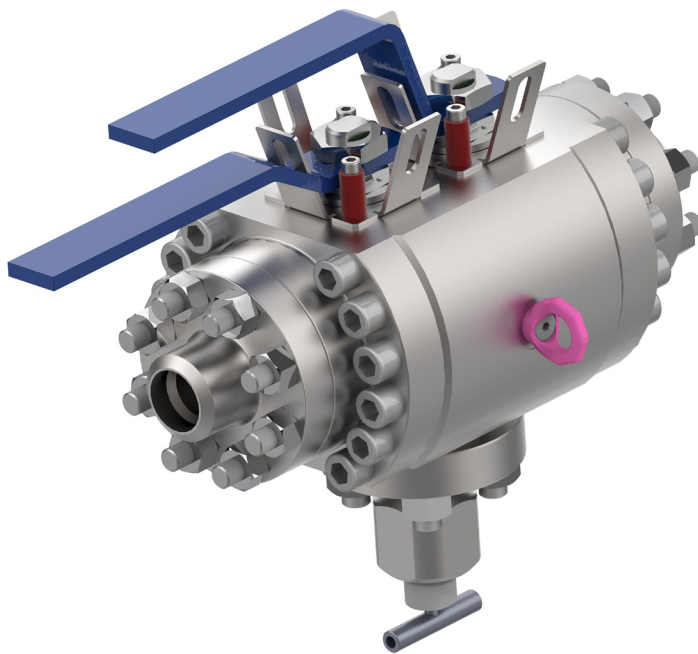
NPS ½–6 (DN 15–150), ASME Pressure class 150–2500

Velan ABV Modular double block and bleed floating ball valves designed for on/off general service, offer a high-quality product at a very competitive price while ensuring the greatest level of tightness and reliability. BFD, BFC, BXD series valves are configured in a forged bolted split-body design with a small diameter, suitable for medium/low pressure working conditions.

The simple design combines two in-line isolation valves into a single body with an additional bleed valve used to drain or vent trapped fluid between the two obturators to ensure the highest level of safety in double isolation and bleed service.

The valve seats are directly inserted into the body. Upstream flow pressure pushes the free-floating ball against the downstream seat. The resulting compression provides a perfect leak-free sealing solution even after years in-service.

Several unique features are available offering enhanced technical solutions suitable for aggressive offshore environments and corrosive and abrasive fluids. Material selection is fully customizable to meet customer project specifications.



Design configurations

BFD	BFC	BXD
Three-piece forged bolted body design	Three-piece forged bolted body design (Compact)	Three-piece forged welded body design

Design features

- Double block and bleed design (DBB).
- Soft-seated or metal-seated designs with hardfacing on ball and seats.
- Secondary seals in pure Graphite.
- Anti-static device.
- Anti-blowout stem.
- Low fugitive emission stem packing available.
- O-ring/lip seal and graphite configuration.
- Low pressure drop.
- Bleed valve connected to the valve body through a flange
- BTC series: extremely compact valve design, face-to-face and end connection in accordance to the manufacturer's standards.

Operator

- Manual: Wrench or gear with padlocking.

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.

Specifications

Valve design	As per API 6D and BS EN ISO 17292
Temperature range	-150 to 662°F (-101 to 350°C)
Face-to-face	As per Velan standard
End connections	RF, RTJ as per B16.5 & B16.47 BW as per B16.25 Norsok L005 Compact flange