



Subsea side-entry floating ball valves

Quick sheet

BW2 and BW3 series

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

Velan ABV subsea side-entry floating ball valves offer a high-quality product at a very competitive price while ensuring the greatest level of tightness and reliability.

Suitable in water depths to 500 m (1700 ft) these subsea valves maintain an average service life of 25 years while ensuring the utmost level of reliability and safety under high-pressure conditions.

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

BW2	BW3
Two-piece forged bolted body design	Three-piece forged bolted body design



Design features

- Anti-static device.
- Anti-blowout stem.
- Soft-seated or metal-seated designs with hardfacing on ball and seats.
- Bi-directional tight shut-off
- O-ring/lip seal configuration.
- Body sealing designed in double O-ring configuration for sea water protection.
- Low pressure drop
- Compact and lightweight

Operator

- Manual: Wrench or gear with padlocking.

Testing & certification

- Compliance with API 6DSS inspection and testing.
- SIL 3 Certification as per IEC 61508.
- Fugitive emission as per ISO 15848.
- PED 2014/68/UE.

Specifications

Valve design	As per API 6DSS standard and BS EN ISO 17292
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 SW, Socket Weld as per B16.11