



# Side-entry floating ball valves

## Quick sheet

### BF2, BF3, BFT, BFU series

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

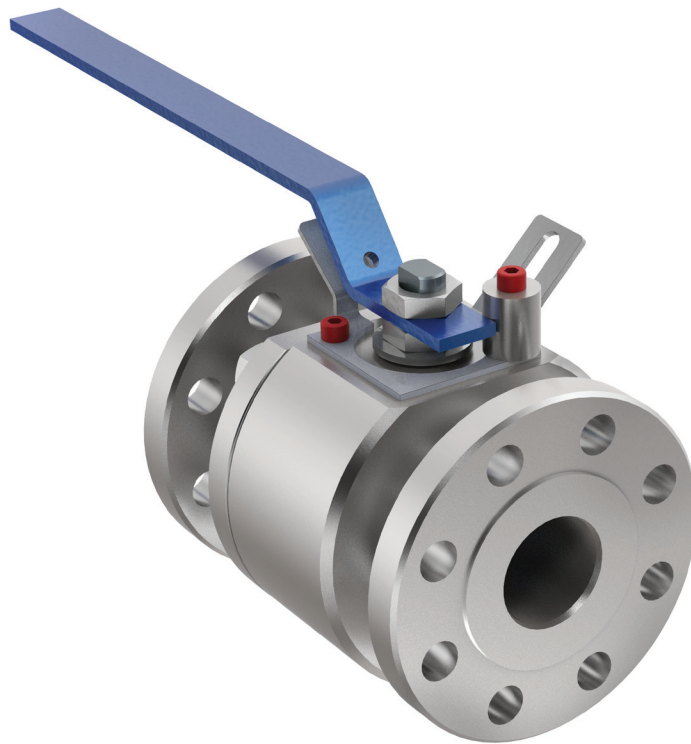
Velan ABV side-entry floating ball valves for general on/off service offer a high-quality product at a very competitive price ensuring the greatest level of tightness and reliability.

Valves are manufactured in accordance with API 6D and BS EN ISO 17292 standards and are suitable for medium/low pressure working conditions.

Characterized by a simple design, 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. The stem is connected at the top of the ball allowing the valve to open and close with a quarter-turn movement.

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

BF2	BF3	BFT	BFU
Two-piece forged bolted body design	Three-piece forged bolted body design	Two-piece forged threaded body design	Two-piece forged welded body design

### Design features

- Soft or metal-seated with hardfacing on ball and seats.
- Secondary seals in pure graphite.
- Bidirectional tight shut-off.
- Anti-static device.
- Anti-blowout stem.
- Low fugitive emission stem packing available.
- O-ring /lip seal, and graphite configuration.
- Low pressure drop.
- Compact and lightweight.

### 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

<b>Valve design</b>	As per API 6D and BS EN ISO 17292
<b>Temperature range</b>	-150 to 662°F (-101 to 350°C)
<b>Face-to-face</b>	As per API 6D standard
<b>End connections</b>	RF, RTJ as per B16.5 SW, Socket Weld as per B16.11

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