

### DBX series Bolted body design

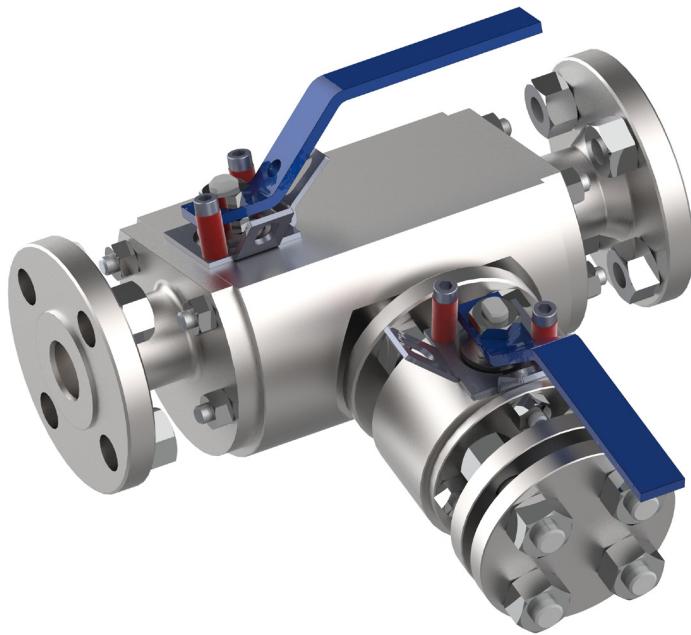
NPS ½–3 (DN 15–80), ASME Classes 150–2500

Velan ABV Instrument single block and bleed valves are characterized by a simple and lightweight design that is ideal for FPSO and offshore platforms where space and weight savings on the piping layout are a priority.

The DBX construction significantly reduces potential atmospheric leakage for positive isolation and is well suited for process facilities where there is a need to isolate equipment for cleaning or maintenance operations.

Instrument single block and bleed valves feature a floating ball valve with an additional bleed valve, used to isolate the process side while in service, from equipment requiring maintenance. The bleed valve is usually oriented on the lower half of the assembly for complete drainage.

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



#### Design features

- Valve bore generally with a minimum of 10 mm up to 1½" or 18 mm for 2".
- Secondary seals in pure Graphite.
- Anti-static device.
- Anti-blowout proof stem.
- Soft-seated or metal-seated designs with hardfacing on ball and seats.
- O-ring/lip seal configuration.
- Low fugitive emission stem packing available.
- Extended bonnet for low & high temperature available.
- Low pressure loss through the valve.
- Valve suitable for horizontal and vertical installation
- Bleed connection flanged type suitable for different solutions, floating valve as per our standard.

#### Operator

- Manual: Wrench or gear with padlocking.

#### Testing & certification

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

#### Specifications

|                          |  |
|--------------------------|--|
| <b>Valve design</b>      | As per EEMUA 182 standard and customer requirements  |
| <b>Body design</b>       | Forged bolted three-piece  |
| <b>Temperature range</b> | -321 to 662°F (-196 to 350°C)  |
| <b>Face-to-face</b>      | As per Velan standard  |
| <b>End connections</b>   | RF, RTJ as per B16.5 & B16.47<br>BW, butt weld as per B16.25<br>NPT according to manufacturer standard |