



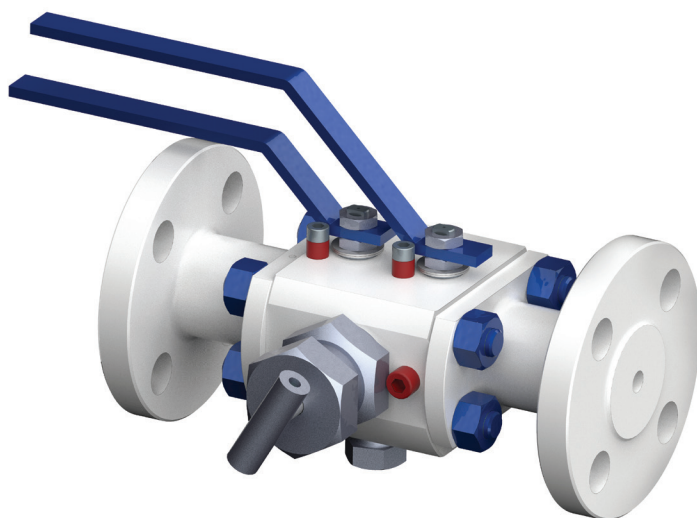
Instrument double block and bleed DBB series

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

Where space and weight savings are a priority in FPSO and offshore platforms, Velan ABV's Instrument double block and bleed valve is characterized by a simple and lightweight design.

The valve's main functions are for chemical injection and sampling and for isolating instrumentation such as pressure indicators and lever gauges.

Instrument double block and bleed valves combine 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 highest level of safety in double isolation and bleed service.



Using a double block and bleed valve versus two separate valves saves weight and space on the piping layout and ensures a significant reduction of potential leakage to the atmosphere, minimizing any hazardous risk when transferring liquids or gas.

Several unique features are available to offer offering advanced technical solutions suitable to deal with aggressive and severe offshore environments. 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 proof stem.
- Soft-seated or metal-seated designs with hardfacing on ball and seats.
- Seat configurations available: four self-relieving, four double piston, or combination.
- O-ring/Lip seal configuration.
- Check valve located on the DBB inlet available.
- Low fugitive emission stem packing available.
- Extended bonnet for low & high temperature available.
- Low pressure loss through the valve.
- Injection quills suitable for safety and effectively dispersing fluids and liquid chemicals into a pipeline available.

Specifications

Valve design	As per EEUMA 182 standard and customer requirements
Body design	Forged two/three-piece housing two balls
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 NPT according to manufacturer standard

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.
- Fugitive emission as per ISO 15848.
- PED 2014/68/UE.