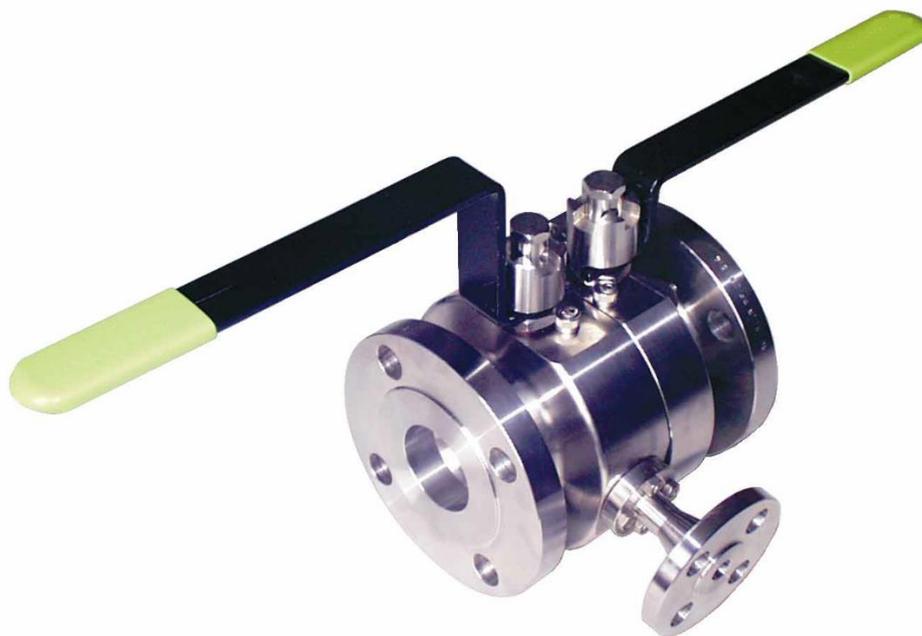


# BETA DUO-BLOK DBB



## DOUBLE BLOCK & BLEED & SINGLE LENGTH

The BETA DUO-Blok range of double block and bleed valves are designed to enable engineers to utilise a double barrier valve isolation instead of single isolate units. Duo-Blok saves money by eliminating the cost of pipework modifications due to its compact overall length which conforms to ANSI standard lengths of single ball valves. The DB type valve simply retrofits into the space left by a standard isolation ball valve that is to ANSI length. Duo-Blok has the added advantage of having the unique non-blocking annulus venting facility and only one body joint from end to end - less joints means less potential leak paths. Users of this new innovative design of valve include TOTALFINA, CONOCO, KERR McGEE, QCPC, WOODSIDE, BP AMOCO and ANANDARKO.

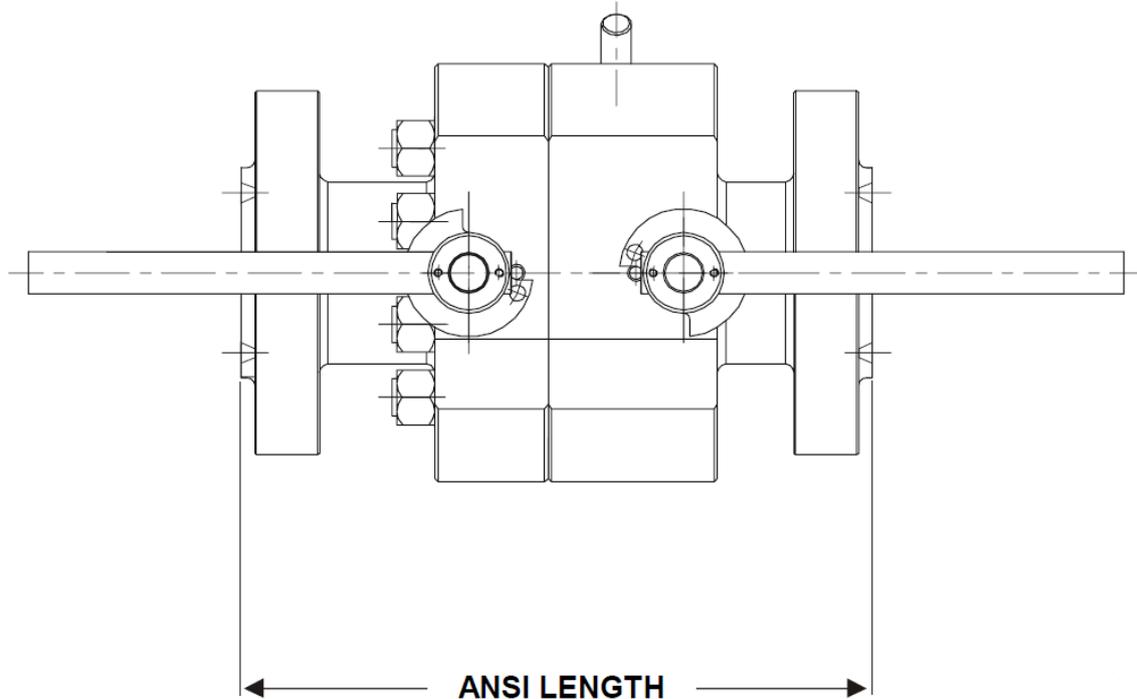


## APPLICATION

Modern pipeline safety standards and practices require that the pipeline is provided with double barrier isolation between the live process and the outlet of a valve i.e. DBB. The traditional methods have resulted in space wastage due to the heavy and bulky utilisation of two gate or ball valves. This method brings along with it many additional joints where the valves meet. Also by using several single valves brought together there is a weight penalty. Great consideration should be given where weight, size and pipeline stress are important i.e. FPSO / offshore installations. The TB valve has been used in flow-line, level gauge and other instrumentation applications around the world.

## ANSI LENGTH

Compact design not only reduces weight but allows the DUO-Blok to be manufactured to ANSI lengths - this means it can replace existing single valves already in situ without expensive pipeline modifications.



## DESIGN FEATURES

Single piece shaped forging giving excellent grain flow around the body / flange area for superior strength. Fully rodable design having two clear bore ball valves. Various seat materials offering a temperature range of  $-196^{\circ}\text{C}$  to  $+230^{\circ}\text{C}$  are available. Designed in accordance with ANSI B16.34 / ASME VIII, B16.5, ANSI B31.3, EEMUA 182 and API 6D. All stem packings are fully retained to allow removal of handle whilst maintaining seal. Supplied and manufactured in accordance with ISO 9001. Robust 316SS handle for easy operation. Ease of installation - retro-fit existing ANSI equipment. Overall length to ANSI B16.10 and API 60. Low weight and space saving benefits. Single body joint reducing potential leak paths to a minimum only one. Integral burried needle valve bleed reduces the risk of impact damage. All valves are tested at 1.1 times full seat pressure and 1.5 times full rated shell pressure with gas and or hydraulic. Ball valves have  $90^{\circ}$  quick, light, positive smooth action. Anti-blow out stems for extra safety. Repair kits available to extend service / field life. 100% Hydro static and or gas tested.

## TECHNICAL INFORMATION

- 1" - 2" full bore, delivery up to 6" (not all types)
- ANSI 150 – 2500,
- Anti-static.
- Fire-safe to BS 6755 Part 2,
- 10mm needle bleed,
- Only one (1) body joint!!
- Anti-blow out stems,
- Handles can be removed without detriment to the stem sealing integrity,
- Low operating torque,
- NACE MR-01-75 latest revision as standard,
- Each valve is stamped with a unique identification number giving full traceability,
- Lockable isolation available,
- Patented,
- Non blocking multi-phase fluid discrimination via annulus vent.

