

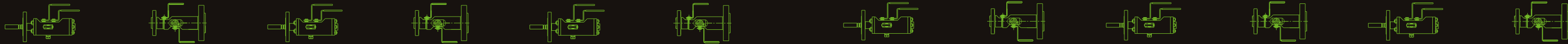


The Alco Valves Group are able to supply valves which are CE marked and comply with the Pressure Equipment Requirements PED 97/23/EC & PER (SI 1999 No.2001)

Local Support / Dealer:

Dealer:

Website: www.dbb-valves.com
e-mail: uk@dbb-valves.com



DBB Valves
Piping Valves
Modular Valves
Injection Valves
Metal Seated Valves
Alco Mono-Flange Valves

Double Block & Bleed Valves and Piping Solutions



As quality assurance requirements have grown in recent years we have continually improved our systems particularly in the field of material traceability. Full chemical and mechanical certificates can be supplied for all pressure retaining parts as opposed to body certificate only. Alco Hi-Tek operate ISO 9001 series quality assurance program which is regularly audited and certified by internationally recognized bodies.

We have endeavored to give a broad outline of our range and capabilities but as we are continually developing new products requested by our customers this brochure will, to some extent, be incomplete. Therefore if you have any requirements in the field of valves or manifolds please contact us for a prompt response.

Continuous development of Alco products may necessitate changes in the design or manufacturing processes. Alco Hi-Tek reserves the right to effect any such changes without prior notice.

Tens of Thousands of DBB Valves and millions of Ball and Needle Valves in Service World-Wide. Alco Valves Group (UK) - The Name you can trust !



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LF2 316ss Duplex Monel Inconel Hastalloy

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SAFE PRODUCT SELECTION AND BEFORE OPERATION
When selecting a product for an application the whole system design and requirements must be taken into account for safe and trouble free use. All functionality, operation, specifications, pressure and temperature ratings, material compatibility, installation and general suitability are the responsibility of the system designer or user. Due to the continuous development of our products we reserve the right to make any changes to designs or specification at any time without notice. ESSENTIAL: Always read operating instruction before use or operation. E&OE The Alco Companies are members of The Xamol Group ©2004 All rights reserved.



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Bolted Construction DBB's

DVB - Series Double Block & Bleed is approved and widely used by many of the worlds oil and petro-chemical majors. Forged body giving excellent grain flow around body and flanges. Fully roddable bore. Materials of construction include ASTM A350 LF2 / A105, ASTM A182 F316 / F316L, Duplex and Super Duplex. Outlets and vents are all 1/2" NPT as standard, 1/4" and 3/4" are optional. Butt weld / socket weld connections available. Through bore sizes from 3/8" (10mm) to 4" (100mm). Pressure ratings from vacuum to CLASS 2500lbs or API 10,000psi. Fire safe tested and certified. Also available in trunnion, metal seated and lipseal configurations.

One-Piece Construction DBB's

One piece body Double Block & Bleed is available with needle, Outside screw & yoke or ball type valves. One Piece forged body minimizes the number of potential leak paths and delivers excellent grain flow around body and flanges for extra strength, also reduces overall size and weight of the assembly. Outlets and vents are 1/2" NPT as standard, 1/4" and 3/4" are also available. Connection types include butt weld, socket weld or hubbed. Through bore sizes from 3/8" (10mm) to 4" (100mm). Pressure ratings from vacuum to CLASS 2500lbs or API 10,000psi. Fire safe tested and certified.



Flanged x Screwed Construction DBB's

Flanged x Screwed DBB valve for the safest and most cost effective pipeline to instrumentation interface available. Simple and fast 4 bolt installation to the pipeline / process, high strength one-piece body which reduces potential leak paths to a minimum. Big reductions in overall size and weight of the assembly which almost certainly eliminates the need for additional supporting. Outlets and vents are 1/2" NPT as standard, 1/4" and 3/4" are also available. Connections types include flanged, butt weld, socket weld or hubbed. Through bore sizes from 3/8" (10mm) to 4" (100mm). Pressure ratings from vacuum to CLASS 2500lbs or API 10,000psi. Fire safe tested and certified. Also available in trunnion, metal seated and lipseal configurations.

Hubbed x Screwed Construction DBB's

Hubbed x Screwed DBB valve for the quickest and most cost effective pipeline to instrumentation interface available. Installation to the pipeline / process by third party client approved hub manufacture. High strength one-piece forged body which reduces potential leak paths to a minimum. A dramatic reduction in overall size and weight is realized by using this design. Materials of construction include ASTM A350 LF2 / A105, ASTM A182 F316 / F316L, Duplex and Super Duplex. Bore sizes from 1/4" (6mm) to 3/4" (19mm). Pressure ratings from vacuum to CLASS 2500lbs or API 10,000psi. Available Fire safe tested and certified.



Screwed x Screwed Instrument DBB's

Screwed series for direct instrumentation compatibility, typically used on high and low pressure gauge applications. Having clear bore ball valve isolation ensures effective process to instrumentation interface using standard screwed connections. Needle valve vent ensures controlled and safe bleed / venting. Overall size and weight is reduced and no additional supporting is required. Inlet, Outlet and vent sizes from 1/4" NPT to 2" NPT. Other connection types include NPT, BSPP, BSPT, twin ferrule compression fittings and weld ends. Through bore sizes from 3/8" (10mm) to 4" (100mm). Pressure ratings from vacuum to 10,000psi. Available Fire safe tested and certified.

Flange x Screwed - Integral Bolting DBB's

Flanged x Screwed DBB valve with integral flange bolts for even safer and faster installation. Having clear bore ball valve isolation ensures effective process to instrumentation interface using flanged x screwed connections. Needle valve vent ensures controlled and safe bleed / venting. Outlet and vent connections are 1/2" NPT as standard with the option of 1/4" or 3/4". Other outlet and vent connections include NPT, BSPP, BSPT, twin ferrule tube / compression fittings and weld ends. Through bore sizes from 3/8" (10mm) to 4" (100mm). Pressure ratings from vacuum to CLASS 2500lbs or API 10,000psi.



Triple Flange DBB's

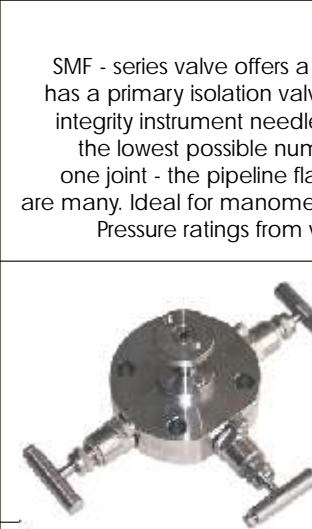
Flanged inlet, outlet and vent / bleed port allowing direct pipeline interface for all three ports. Available on all one-piece and bolted construction Alco DBB valve designs.



Alco Double Block & Bleed Valves:

- Through bore sizes from 3/8" (10mm) to 4" (100mm)
- Temperature rated -196 to +550 Deg.C
- Pressure ratings upto CLASS 2500lbs or API 10,000psi.
- Design codes include ASME VIII, ANSI 16.34 / B16.5, 31.3 / EEMUA 182, API 6D
- Fire safe tested and certified
- Other Exotics include Monel, Inconel, Hastalloy & Titanium

For further specification details please contact our technical staff E&OE



Mono-Flange / Slim-line DBB's

SMF - series valve offers a compact lightweight instrument double block and bleed valve. The SMF has a primary isolation valve that is a piping class outside screw and yoke bolted design, and high integrity instrument needle valve secondary isolation and vent / bleed. This compact model offers the lowest possible number of potential leak paths from a process connection, this involves only one joint - the pipeline flange to the valve body. It is easily understood that the benefits of this unit are many. Ideal for manometer, pressure gauge and temperature measurement device installations. Pressure ratings from vacuum to CLASS 2500lbs. Available fire safe. ANSI Flange sizes 1/2" to 4"



Mono-Flange HT/HP & Direct Instrument Interface

MF - series, as with the SMF, offers a compact lightweight instrument double block and bleed valve Solution with the added advantage of integral (or bolt-on) instrument interface for direct connection to pressure measurement equipment / instruments. Also having the lowest possible number of potential leak paths, this involves only one joint - the pipeline flange to the valve body. Ideal for manometer, pressure gauge and temperature measurement device installations. Various bore sizes available, standard 1/4" (6mm) up to 3/4" (19mm). Metal seated for High temperature and high pressure applications (HT/HP), from vacuum to CLASS 2500lbs. Available fire safe.

Chemical Injection / Sampling DBB

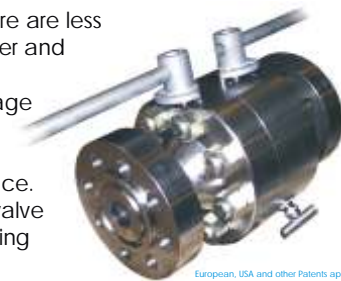
Injection - a normally closed check valve opens when material is passed through it, this also prevents return. Sampling - taken at full system pressure by opening then closing of the primary isolate valve, thus producing a sample trapped in the cavity between primary and secondary isolation valves. The trapped sample is safely vented to a desired location at reduced pressure. Both probes and quills can be manufactured to the desired length to suit the application pipe size for maximum dispersal in injection services and mean-samples in sampling services. Available with anti-vibration supports for longer probes. Vortex Shedding / Wake Frequency calculations available on request.



Twin Blok II - The Smart Choice

"Simply the Best DBB on the Market Today" - Not our words but those of a number of our clients. A new and evolutionary step in DBB valve design and technology. Twin-Blok II has all of the standard features of the rest of the Alco Double Block & Bleed Valve range including weight and space saving with these added advantages:

- Three valves in the space of one standard length ANSI valve - Reduces change-out costs by eliminating the need to modify existing pipework.
- Single body joint from end-to-end - fewer joints mean there are less potential leak paths. Twin-Blok II also has a primary polymer and secondary fire safe metal-to-metal seal at this joint.
- Extra safe venting due to the unique non-blocking annulus vent - prevents contamination blockage in vent port (a common problem that can lead to damage / user injury).
- Two independent, self contained ball valves - having two independent ball valves, Live-full pressure separation of the two halves can be achieved. Useful for splitting systems or maintenance. Can be supplied with buried vent valve - helps protect against site / field damage as the vent valve is incorporated within the major body component to protect it against impact or excessive loading. Other features and benefits apply, see our main catalogue .



Gate & Globe Valves - Pipeline Solutions

ANSI B16.10 standard pipeline gate and globe valves. Single piece design minimizing potential leak paths. Available in all our standard grade materials ASTM A350 LF2 / A105 dual certified, ASTM A182 F316 / F316L and Duplex. Other materials of construction are available. This range of valves has been designed to fulfil new requirements for high temperature and high pressure sour service applications. This valve in standard form comprises of a single isolate gate or globe valve. In manifold configurations primary isolation is delivered by the gate valve which can deal with high temperature / high pressure and abrasive elements and followed by a globe valve for throttling purposes. Many different versions of this valve are available



Pipeline Ball Valves - High Integrity

ANSI standard pipeline ball valves. Two piece design minimizing potential leak paths. Available in all our standard grade materials ASTM A350 LF2 / A105 dual certified, ASTM A182 F316 / F316L and ASTM A182 F51 and super alloys. Available with Standard floating ball or high pressure trunnion mounted designs (upto 10,000 psi). Tight shut off is delivered by soft primary seating followed by metal to metal secondary sealing as standard for extra safety in fire conditions. Long life , low emission stem packing is used for reliable long term service / field life. Fire safe design as standard. Available in sizes from 1/2" to 4".

