ALCO HI-TEK MONOFLANGE VALVES

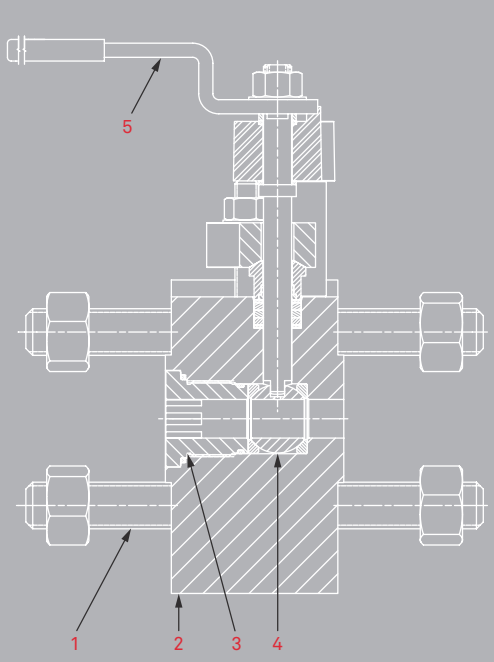
MFB Ball Valve Monoflange

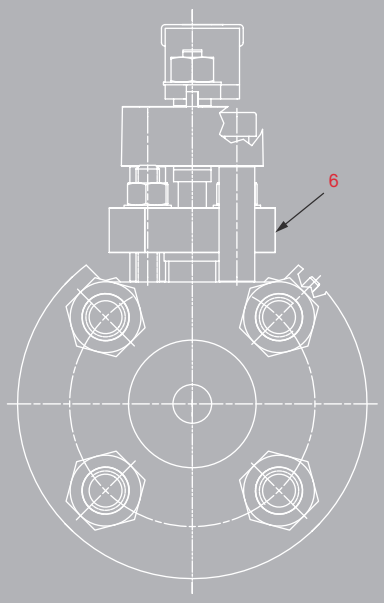
Technical Spec

Single block monoflange valve utilising soft seated materials with insert or two piece bolted style connection for superior, bubble tight sealing capabilities at both high pressures and temperatures.

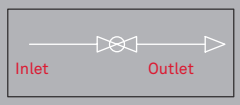
The MFB type valve offers a single Ball configuration. This series offers working pressures of up to ASME B16.5 class 2500 with a maximum working temperature of 200°C and can be supplied with bore sizes ranging from ½" up to 2".

Valve Construction





1. Integrated Fasteners
2. Double Flanged Monoflange body
3. Screwed Body Insert
4. Floating Ball Valve
5. Valve Handle
6. OS&Y for Ball Valve



Flow Diagram

Options

Flange/Inlet †	Outlet †
Raised Face	Raised Face
Flat Face	Flat Face
Ring Type Joint	Ring Type Joint

† Other options can be supplied upon request.

Design Features

Temp. Range
-29°C > 200°C †

Pressure Rating
ASME Class 150 - 2500

Flange Sizes
ASME B16.5 1/2" - 2" †

Compliance
NACE MR - 01 - 75

Material Traceability
Major Components

Flow Direction
Bi-directional

Servicing Kits
Available

† Actual maximum working temperature is dependent on valve service conditions; please contact for more information.

— Pressure rated up to ASME Class 2500

— Bubble tight soft seats for positive shut off

— Flange sizes from ½" up to 2" – larger available in some circumstances

— Spares and Repair kits available to extend service life further

— Full material traceability of major components

— Raised Face connection, Flat Face and Type Joing

Pressure Testing

All our Valves are tested thoroughly. We offer a wide range of testing options due to our variety of in-house testing equipment. Standard Hydro-body, Hydro-seat and Gas seat testing is carried out to API 598 and API 6A, with permissible leakage to ISO 5208. However other standards can be adhered to should it be required, including but not limited to PR2, ISO 15848, MESC SPE 77/300 and MESC SPE 77/312. Please speak to our Sales team with regards to your testing requirements and we will be happy to advise.

Non-Destructive Testing/Examination Options

– DPI
– MPI
– Ultrasonic
– Hardness Testing
– Radiography