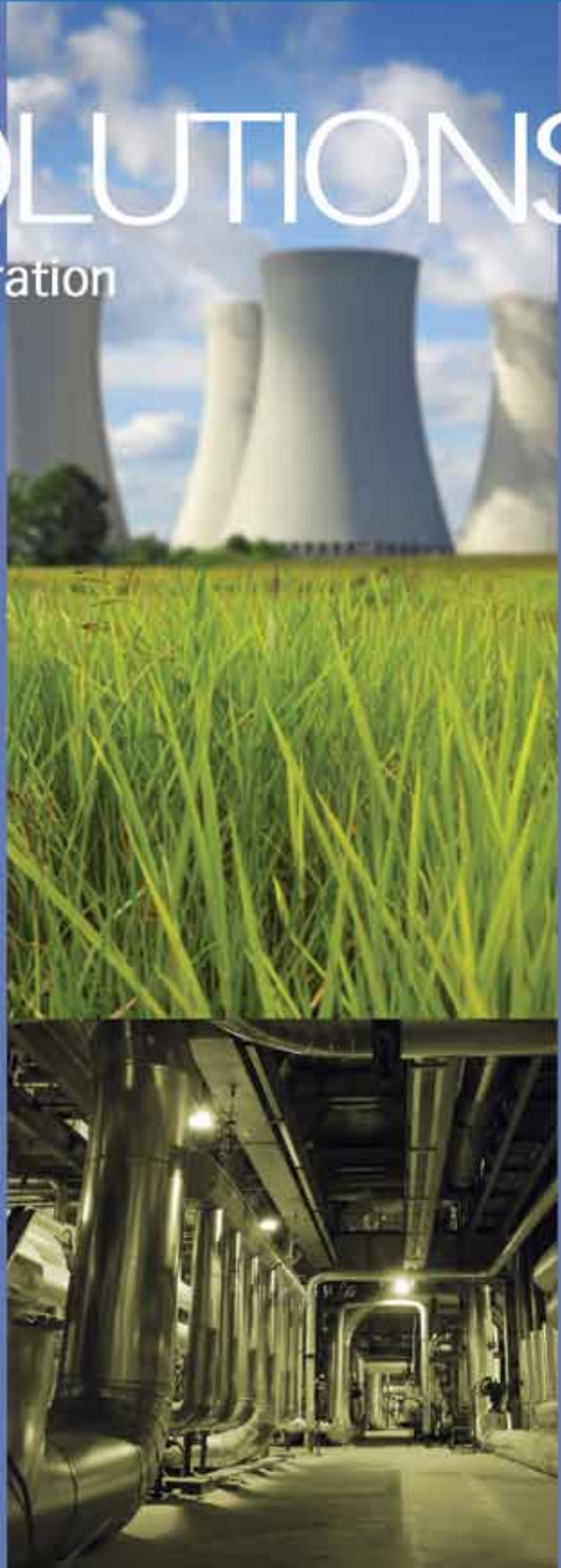




VALVE SOLUTIONS

for Power Generation

- INSTRUMENT AND GAUGE ISOLATION TO ANSI CLASS 2500
- 2-WAY MANUAL AND AUTOMATED VALVES
- 3-WAY TRANSFER VALVES
- TANDEM MOUNTED 2 OR 3-WAY VALVES
- CUSTOM VALVE ASSEMBLIES
- NUCLEAR QUALIFIED





PBM Valve Solutions for both Fossil Power & Nuclear Power Generation

APPLICATIONS

- Pulverized Coal
- Coarse Ash
- Fine Ash
- Instrument Air
- Lubricating Oil
- Radioactive Waste Transfer and Isolation
- Instrument Isolation
- Inert and Reactive Gases
- Cryogenic
- Thermal Transfer Fluids
- Sampling
- Vent/Drain

TESTING

- Seismic Testing, Calculation and Verifications
- Dye Penetrant
- Radiography
- Hydrostatic Testing
- Helium Leak Testing
- Non-Destructive and Destructive Testing

ALLOY AVAILABILITY

- Stainless Steel
- Carbon Steel
- Duplex Stainless
- Titanium
- Hastelloy
- Bronze and Aluminum Bronze
- Copper Nickel
- Inconel and others

All alloys available as cast, forged, or bar stock material

Custom Configurations and Applications Welcome



2-way Automated Nuclear-Qualified Valve Assembly



PBM Inc.
1070 Sandy Hill Road
Irwin, PA, United States

Scope: Construction Of Class 2 & 3 Valves At The Above Location Only

Authorized: January 08, 2010

Expires: January 08, 2013

Certificate Number: N-3413



PBM Inc.
1070 Sandy Hill Road
Irwin, PA, United States

Scope: Class 2 & 3 Fabrication Without Design Responsibility And With Design Responsibility For Appurtenances At The Above Location Only

Authorized: January 08, 2010

Expires: January 08, 2013

Certificate Number: N-3414

PRODUCT LINES

INSTRUMENT

1/2" - 1" size

Instrument and gauge isolation to ANSI Class 2500. Double block & Bleed to ANSI Class 1500 and sizes 1/2 through 3 inch.



2-way Instrument Isolation Valve



2-WAY MANUAL AND AUTOMATED

1/2" - 6" full port

Isolation and flow control Pressure to ANSI Class 600 True Bore® Port Diameter



3-WAY VALVES MANUAL AND AUTOMATED

1/2" - 6" full port

3,4 and 5-way valves Transfer diverter and multi-port valves. All alloys and end fitting options



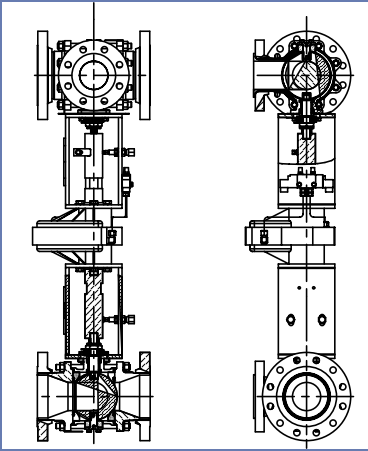
Double Block and Bleed Valve



CUSTOM FABRICATED VALVE MANIFOLDS

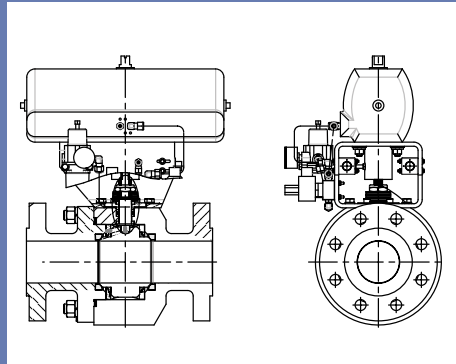
Valve manifolds and space-saving pipe and valve configurations designed to accommodate special applications





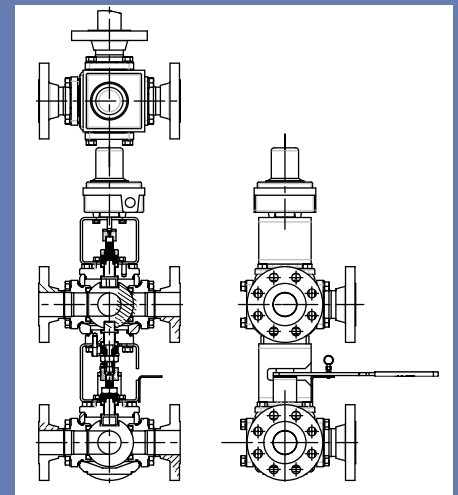
Product: Tandem Mounted Diverter Port ball valves
Media: Turbine oil

A midwest U.S. power plant replaced high torque plug valves with tandem mounted automated PBM 3-way valves, 4-inch port size with 6-inch flanges. This valve assembly used on the turbine oil filter system, operates at 285 psi. As one valve opens, the other valve closes to isolate one of the two turbine oil filter housings for maintenance allowing a second filter to continue in operation. Each valve provides trans-flow during filter change-over to prevent dead-heading. PBM was able to design this assembly to fit the customer's existing piping envelope, eliminating costly piping fabrication changes.



Product: ANSI Trunnion Mount Firesafe ball valves
Media: Pulverized Coal / Nitrogen / Air

A major southern U.S. power plant had tried several valve types in their pilot plant without success. The material would plug in a short time. They tried PBM True-Bore® ball valves and the process worked without plugging. PBM had the ability to strictly meet specifications (True-Bore), had prior experience with critical service valves on related projects, and had the ability to provide domestic material ball valves. PBM's engineering, manufacturing, QC, and testing capabilities were also big factors.



Product: Tandem mounted Multi-port ball valves
Media: Various

A Canadian hydro-electric provider implemented a program to upgrade valves used on various tandem filter housings by replacing high-torque, reduced bore, and high maintenance plug valves with PBM full-port soft seated ball valves. The tandem valve assembly allows one filter to be isolated for maintenance while process media flows through the tandem filter, thus eliminating any process flow interruption.

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for Power Generation

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