



Atwood & Morrill™

Check Valves

Batley Valve®

Butterfly Valves

BDK™

Ball, Gate, Globe &
Check Valves

Blakeborough®

Control, Choke & Steam
Conditioning Valves

Hopkinsons®

Isolation Valves

MAC®

Rotary Gate Valve

Sarasin-RSBD™

Safety & Safety Relief
Valves

SEBIM™

Nuclear Pilot Operated
Safety Valves

TRICENTRIC®

Triple Offset Butterfly
Valves

BDK™

2 Piece Trunnion Ball



Features

- Ability to offer in smaller sizes
- Low emission & positive sealing
- Constant operating torques
- Proven design
- Smooth operation

Class - ASME 150-2500

Sizes - 2" - 48" (50mm-1200mm)

BDK™

3 Piece Trunnion Ball



Features

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- Low emission & positive sealing
- Constant operating torques
- Proven design
- Smooth operation

Class - ASME 150-2500

Sizes - 2" - 48" (50mm-1200mm)

| | | Application | | | | | | | | | | | | | | | Manufacturing Location | | | | | | | | |
|---|--------------------------------------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------|-------------------------------------|-------------------------------------|
| | | Acid service | Chemical processing | Corrosive gases | Cryogenic | Fire protection | Gas pressure | Marine Seawater | Molten Salt | Oil & Gas | Petrochemical | Pharmaceuticals | Power Generation | Water treatment | Steam pressure | Steam conditioning | Subsea | Nuclear | China | UK | France | India | South Korea | USA | |
|  | Isolation Valves | Full Bore Parallel Slide | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | |
|  | | Venturi Parallel Slide | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Forged Parallel Slide | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> |
|  | | High Performance Drain | | | | | | | | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Uniflow Slide | | | | | | | | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Flexi-Wedge Gate | | | | | | | | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Globe Isolation | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Feed Heater Bypass | | | | | | | | | | | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Low Pressure Wedge Gate | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
|  | | High Pressure Wedge Gate | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | | |
|  | Safety Valves | Spring Loaded Safety Relief | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
|  | | Spring Loaded Safety | | | | | | | | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | <input checked="" type="checkbox"/> | | | | | |
|  | | Pilot Operated Safety Relief | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Pilot Operated Safety | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | | Nuclear Pilot Operated | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | |
|  | Ball, Check, Diaphragm & Plug Valves | 2 Piece Trunnion Ball | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | <input checked="" type="checkbox"/> | | | | |
|  | | 3 Piece Trunnion Ball | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> | | | |
|  | | Check | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> | | | |
|  | | Diaphragm | | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> | | | |
| | | Plug | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> | | | |

| | | Application | | | | | | | | | | | | | | Manufacturing Location | | | | | | | | | |
|---|-------------------------|-------------------------------|---------------------|-----------------|-----------|-----------------|--------------|-----------------|-------------|-----------|---------------|-----------------|------------------|-----------------|----------------|------------------------|--------|---------|-------|----|--------|-------|-------------|-----|---|
| | | Acid service | Chemical processing | Corrosive gases | Cryogenic | Fire protection | Gas pressure | Marine Seawater | Molten Salt | Oil & Gas | Petrochemical | Pharmaceuticals | Power Generation | Water treatment | Steam pressure | Steam conditioning | Subsea | Nuclear | China | UK | France | India | South Korea | USA | |
|  | Control Valves | General Service | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | | | | | | | ■ | ■ | | | | | | |
|  | | Small Size | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ | | | ■ | ■ | | ■ | ■ | | |
|  | | Cage Guided | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ | | | ■ | ■ | | ■ | ■ | | |
|  | | Severe Service | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ | | | ■ | ■ | | ■ | ■ | | |
|  | | Contour Trim | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ | | | | ■ | | | ■ | | |
|  | | Choke | | | ■ | | | ■ | ■ | ■ | | | | | | | | | | ■ | | | | | |
|  | | Rotary Gate | | | | | | | | ■ | | | | | | | | ■ | | ■ | | | | | |
|  | | Mini Desuperheater | | | | ■ | | | | | | | ■ | | ■ | | | | | ■ | | | | ■ | |
|  | | Pipe Desuperheater | | | | ■ | | | | | | | ■ | | ■ | | | | | ■ | | | | ■ | |
|  | | Turbine Bypass | | | | | | | | | | | ■ | | ■ | | | | | ■ | | | | ■ | |
|  | | Butterfly Valves | Softseal | | | | ■ | | ■ | | | | | | | | | | | ■ | | | ■ | | |
|  | Hyperseal/ Metalseal | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | ■ | | | ■ | | |
|  | Rubber Lined | | | ■ | | | | | ■ | ■ | | | | | | | | | | ■ | | | ■ | | |
|  | Anti-cavitation | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | ■ | | | ■ | | |
|  | TRICENTRIC® | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | ■ | | | ■ |
|  | Check Valves | FREE FLOW™ Reverse Current | | ■ | | | | ■ | ■ | ■ | | ■ | | ■ | | | | | ■ | | | ■ | ■ | | |
|  | | Boiler Feed Check | | | | | | | | | | | ■ | | | | | | | ■ | | | ■ | ■ | |
|  | | Compressor Check | | | | | | ■ | | | | | | | | | | | | ■ | | | ■ | ■ | |
|  | | Wye Type | | | | | | | | | | | ■ | | ■ | | | | | | | | | | ■ |
| | | Three Way | | | | | | | | | | | ■ | | | | | | | | ■ | | | | ■ |

Valve Services

| Site Service | Workshop Services | Service Plans |
|--|--|------------------------------------|
| Outage, shutdown and turnaround management | Mechanical valve overhaul and refurbishment | 24hr Customer Service Number |
| Overhaul and refurbishment | Valve pressure testing | 48hr Service Response Engineer |
| Installation and commissioning | Upgrades and modifications | LTSA (Long Term Service Agreement) |
| In-situ valve seat replacement | Control valve service, maintenance and monitoring | Embedded engineering programmes |
| In-situ testing and monitoring | Actuator servicing and torque testing | Asset management |
| Turnkey project management | Service exchange programmes for valves and actuators | Bespoke service management |

