



**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



## Features

- Manually operated or diaphragm operated
- Trillium type design option
- Straight type design option
- Can be instrumented for control

**Class** - ASME 150-300

**Sizes** - 1/2" - 14" (15mm-350mm)

[illegible]

|   |                  |                               | 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/<br>Metalseal       | ■            | ■                   | ■               | ■         | ■               | ■            | ■               | ■           | ■         | ■             | ■               | ■                | ■               | ■              | ■                  |        |                        |       | ■  |        | ■     |             |     |
|  |                  | Rubber Lined                  |              | ■                   |                 |           |                 |              | ■               | ■           |           |               |                 |                  |                 |                |                    |        |                        |       | ■  |        | ■     |             |     |
|  |                  | Anti-cavitation               | ■            | ■                   | ■               | ■         | ■               | ■            | ■               | ■           | ■         | ■             | ■               | ■                | ■               | ■              | ■                  |        | ■                      |       | ■  |        | ■     |             |     |
|  |                  | TRICENTRIC®                   | ■            | ■                   | ■               | ■         | ■               | ■            | ■               | ■           | ■         | ■             | ■               | ■                | ■               | ■              | ■                  |        |                        |       |    | ■      |       | ■           |     |
|  | Check Valves     | FREE FLOW™<br>Reverse Current |              | ■                   |                 |           |                 | ■            | ■               | ■           |           | ■             |                 | ■                |                 | ■              |                    |        | ■                      |       | ■  | ■      |       | ■           | ■   |
|  |                  | Boiler Feed<br>Check          |              |                     |                 |           |                 |              |                 |             |           |               |                 | ■                |                 |                |                    |        |                        |       | ■  | ■      |       | ■           | ■   |
|  |                  | Compressor<br>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         |



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