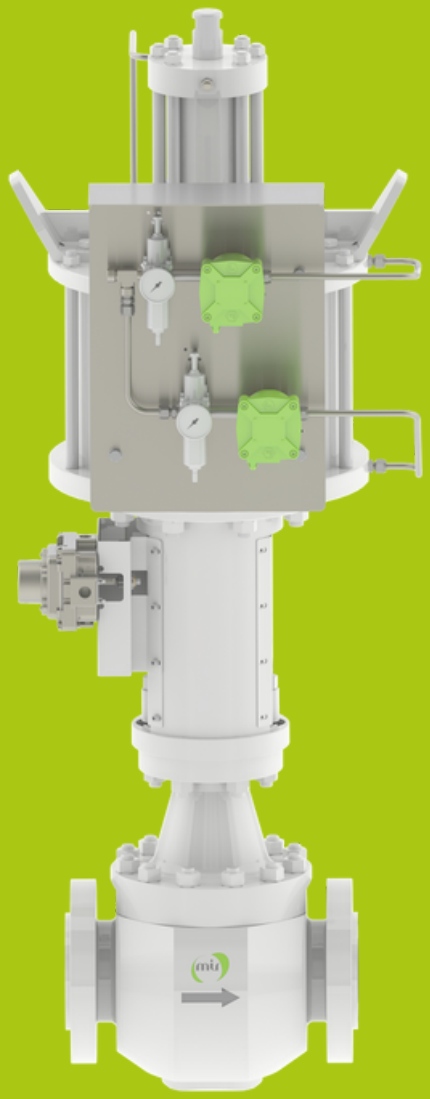
RSBV MODEL MV 17



Reliability

Continuous cycling from shutdown to shutdown

Unique

Selected where **no contact** between ball and seat during on/off rotation is required.

MIR RSBV has a helix stem that opens and closes the valve without stem rotation; a 100% **linear movement** making it the perfect choice for frequent switching and low-emissions strict compliance requirements.

Features

- Top-entry, single-seat design
- Friction-free opening and closing on/off cycles
- Low-torque operation
- Mechanically-energized sealing by the helix stem
- Anti-blowout stem
- Self-cleaning when moving from close to open
- Ball and seat metal-to-metal with stellite overlay
- Uni/Bi-directional

mir VALVE

Rising Stem Ball Valve for Down Stream

Design

Features

Size: 1" - 24" FB/RB; other sizes on request
Pressure: ANSI CL. 150 - 2500
Connections: RF,RTJ, WE, Hub ends, compact
Materials:CS, SS, DSS, SDSS, Special Alloys
Temperature: -196°C to +600°C

Operation

Manual Gearbox & Handwheel
Electrical Multi-Turn Actuator
Gas Over Oil Actuator
Linear Pneumatic or Hydraulic Actuator
Spring-Return or Double Acting c/w
Pneumatic Control System

Standards

Design: API 6D, ASME B16.34, API 600
Face-to face: API 6D, ASME 16.10, B 16.47
Ends & Flanges: ASME B16.5, B16.25
Topworks: ISO 5210, ISO 5211
Firesafe: ISO 10497, API 6FA
Fugitive emissions: ISO 15848, MESC 77/312
Safety Integrity Level: SIL
Testing: API 598
Leakage criteria:API 598, BS 6755,
ISO 5208, ANSI FCI-70-2, Class V or VI

Suitable for

continuous cycling under extreme operational temperatures and pressures

STRENGTHS

- Actuators designed specifically for MIR RSBV
- Precision rotation leading to accurate opening and closing sequence
- Controls provide speed and accuracy of response
- Easy maintenance that requires special tools, skilled and qualified technicians
- **Reliability at >1,000 cycles per year in demanding process applications**
- Customized face-to-face dimensions

DECARBONIZATION

Low Emissions

Low to zero emissions to atmosphere.

Sealing elements in compliance with ISO 15848 for Fugitive Emissions.

Bellow seal for lethal media and zero emissions.

Rising Stem Ball Valves Designed and Built in Malaysia

DOWNSTREAM APPLICATIONS

PLANTS

Gas Processing
LNG
Gas to Liquids (GTL)
Refinery
Petrochemical
Urea and Ammonia

APPLICATIONS

Gas Dehydration/
Molecular Sieve
Emergency BDV/SDV
CO2 Re-injection
and Removal
Lethal Sour Gas
Sand and Slurry
Steam (+600^{0}C)
Hydrogen
Isomerization
Hot oil
Cryogenic (-196^{0}C)
Carbon Capture
Amine Solvents

Delivery to Australia in 2023 for
Molecular Sieve service in Gas Processing Plant

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