RZD
X

Axial On-Off Valve

High integrity isolation for critical hydropower and water applications

Type designation

On-off or isolating valve

Mokveld model

RZD - X...

Sizes and pressure ratings

- Sizes 2" - 60"
  Larger sizes upon request
- Rating ASME Class 150 - 2500
  (PN20 - PN420)

In preference to

- Segmented ball valve
- Spherical valves
- Ball valve
- Gate valve
- Butterfly valve

Typical applications

- System inlet
- Main inlet valve (emergency turbine)
- Isolation
- Pump Discharge Control Valve
- Pump Suction Isolation Valve
- Tank Isolation Valve



mokveld

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PS2609RZDX-US-W

Mokveld axial on-off valves main benefits:

Axial flow

Streamlined flow path through full-port expanded body avoids turbulence and prevents erosion and vibration. Process downtime and maintenance costs are reduced.

Low pressure loss

The capacity of the axial on-off valve is extremely high, as a result of which the pressure loss is negligible. Operating costs of pumps are reduced.

Pressure-balanced

Operating forces are independent of pressure. Valve can be opened against full differential pressure without damage to sealing. Equalisation with bypass valve is not required.

Easy actuation

Actuation force is low and constant because of pressure-balanced trim. Small actuators can be selected and gearboxes are not required.

Excellent sealing

In the open position the main seal is protected against erosive flow. The self-energising sealing system offers reliable bi-directional and drop-tight shut-off (class VI).

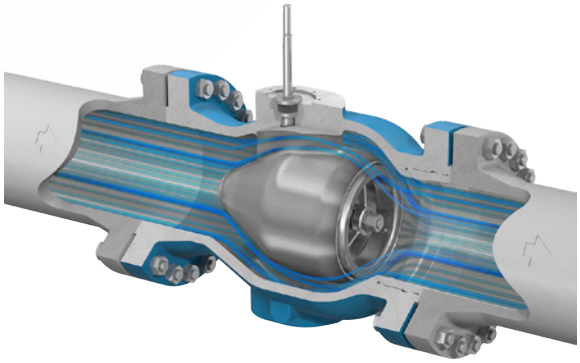
Compact

The one-piece valve body provides 15% - 60% weight reduction compared to ball or gate valves. This feature is even more attractive combined with spring-opposed actuators.

Special features

- Custom-designed.
- Safety: secured process isolation.
- Quick opening.
- Suitable for infrequent use: operating forces do not increase over time. No sticking.
- Certified to NSF 61
- Throttling capability (sizes > 24”).
- Exceptional reliability with proven field data 3rd party certified by TÜV, suitable for use in safety-related systems up to SIL 3.
- Suitable for above ground, in vault, partial submerged, fully submerged and buried installations.
- Electric, electro-hydraulic or handwheel actuated. A full range of matching Mokveld pneumatic and hydraulic actuators with tailored control arrangements is also available.

For more information, please contact Mokveld.



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