

Axial Surge Relief Valve

Product summary sheet

Type designation

Surge relief valve

Mokveld model

RZD - SR - R....

Size and pressure ratings

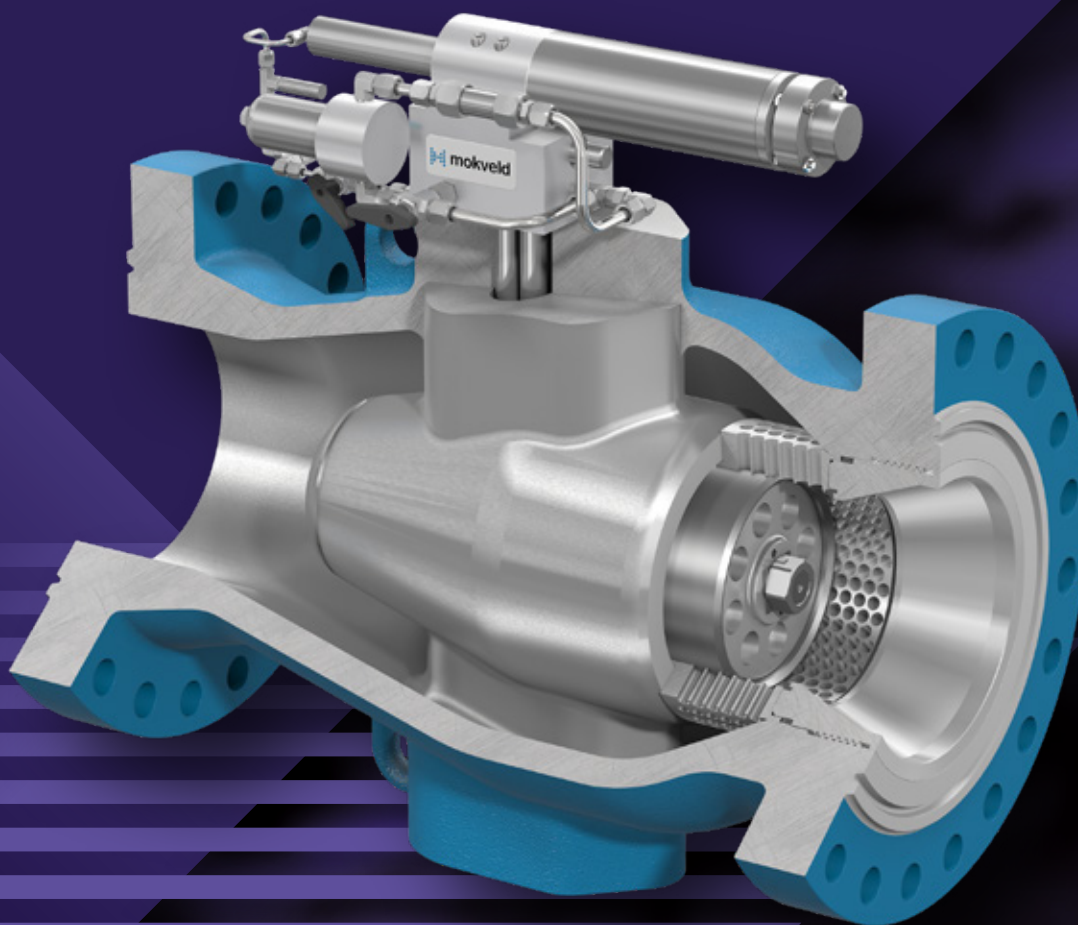
- Sizes 6" - 12"
- Rating ASME Class 150 - 900
- Higher pressure ratings upon request

In preference to

- Nitrogen-compensated surge relief valve
- Flexible-sleeve surge relief valve
- Angle relief valve

Typical applications

- Hydraulic pressure surge relief
- Transmission lines
- Oil tanker loading terminals
- Remote locations



Mokveld axial surge relief valves main features:

Quick response

The high-capacity proportional pilot design allows fast response to surge pressure. This results in prompt return to stable pressure conditions.

High capacity

The capacity of the axial surge relief valve is extremely high: 50% - 100% increase compared to conventional globe. Consequently, reduced valve size can be selected.

Unique TVM®

Total Velocity Management® concept: intelligent valve design that carefully manages fluid velocity in all areas of the valve.

No external energy

The pilot-type design eliminates the necessity for an expensive skid-mounted system with nitrogen bottles and associated temperature-compensating devices.

Low-maintenance

Due to the absence of any external power supply such as nitrogen, maintenance is reduced to the bare minimum, making the valve ideal for remote or inaccessible locations.

High-performance

Pilot and surge valve designs are based on simplicity. All components are field-proven to provide maximum protection reliability. They operate solely on fluid static pressure.

Stable operation

The design of the pilot incorporates snap-acting opening when the set pressure is reached and automatic switching to control in the event of continuing high-pressure conditions.

Special features

- Custom-designed valve, trim and pilot design for each unique control application.
- Sophisticated simulation models for the response to pressure surges are available.
- Anti-cavitation trims are available to avoid foam in spill tanks.

For more information, please contact Mokveld.

