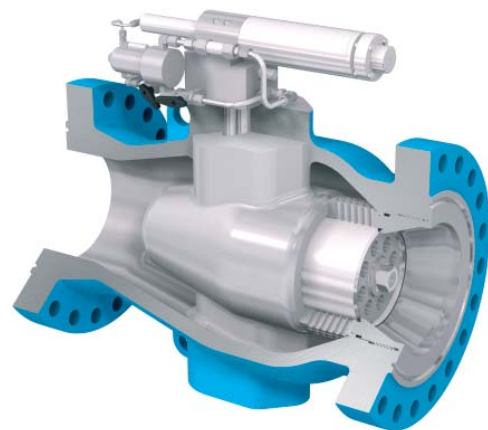
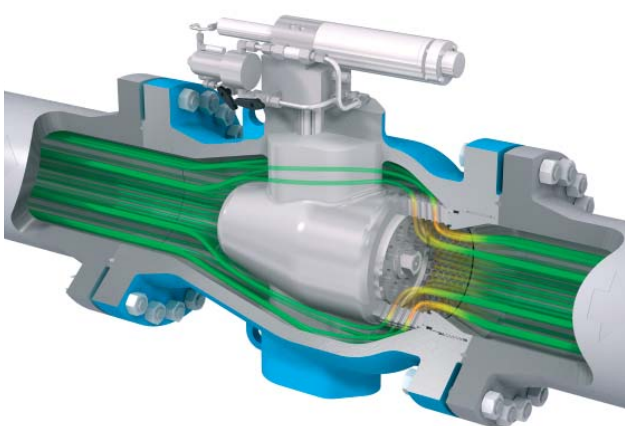


# axial surge relief valve

## product summary sheet

<b>Type designation</b>	Surge relief valve
<b>Mokveld model</b>	RZD - SR - R....
<b>Sizes and pressure ratings</b>	Sizes 6" - 12" Rating ASME Class 150 - 900 Higher pressure ratings upon request
<b>In preference to</b>	Nitrogen-compensated surge relief valve Flexible-sleeve surge relief valve Angle relief valve
<b>Typical applications</b>	Hydraulic pressure surge relief Transmission lines Oil tanker loading terminals Remote locations



## Mokveld axial surge relief valves offer the following 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 detailed information, please contact Mokveld.