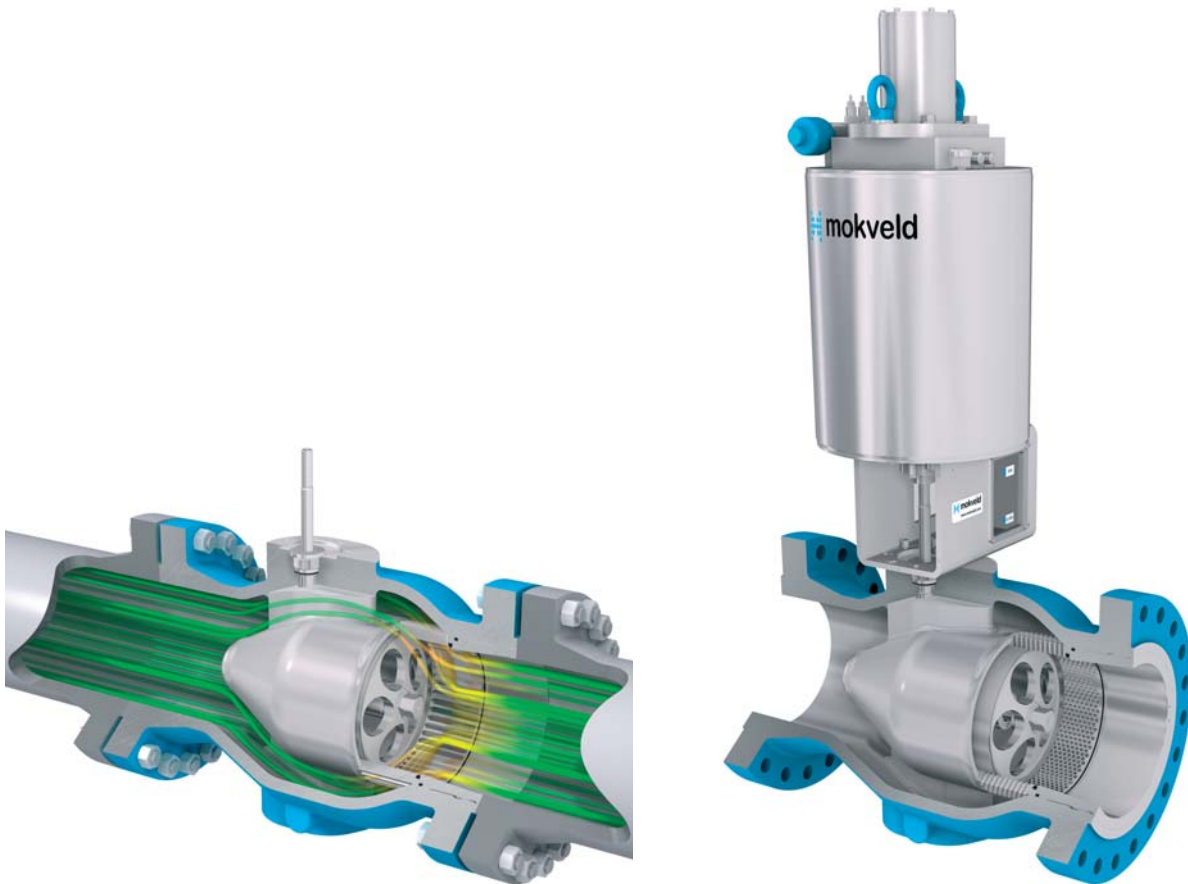


axial control valve

product summary sheet

Type designation	Control Valve
Model	RZD-R
Scope	Sizes 2" - 72" Rating ASME Class 150 - 2500 or API 3000 - 10000
Alternative to	Conventional Globe Valve Heavy-Duty Ball Control Valve Angle Control Valve
Typical applications	Special Control Severe-Duty (Axial Choke Valve) Anti-Surge / Recycle Control Anti-Cavitation / Joule-Thomson



Mokveld Axial Control Valves offer the following main features:

- **Axial flow** Streamlined flow path through full-port expanded body avoids turbulence and prevents erosion and vibration. Process downtime and maintenance costs are reduced.
- **Unique TVM®** Total Velocity Management concept: intelligent valve design that carefully manages fluid velocity in all areas of the valve.
- **High capacity** The capacity of the Axial Valve is extremely high: 50% - 100% increase compared to conventional globe. Consequently, reduced valve size can be selected.
- **Accurate control** Accurate control is possible (also with minimum opening) because of the pressure-balanced trim. Small, spring-opposed actuators can also be selected for large valve sizes.
- **High turndown** High inherent capacity and accurate control features make the valve suitable for applications that require high turndown providing one-valve solution for the full process envelope.
- **Silent** Streamlined flow path avoids turbulence and therefore energy conversion in valve body itself. Pressure drop is taken over trim only. Dynamic body noise is minimised.
- **Compact** The one-piece valve body provides 20% - 70% weight reduction compared to globe valves. This feature is even more attractive combined with spring-opposed actuators.
- **Special features** Custom-designed valve, trim and actuator for each unique control application. Suitable for severe choke applications with Tungsten Carbide trim. Wide variety of high-capacity trims, low-noise trims and anti-cavitation trims.

For more detailed information, please contact Mokveld.