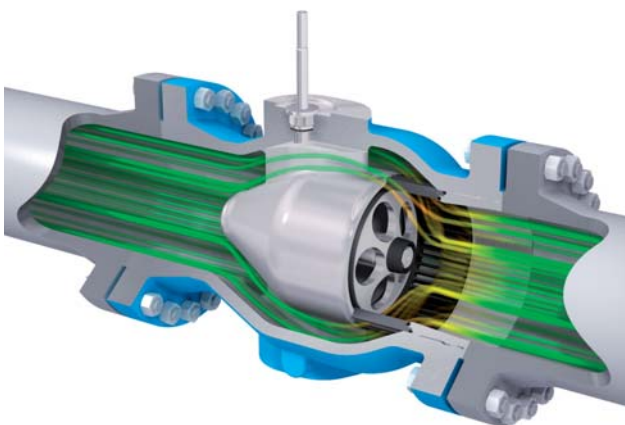


axial choke valve

product summary sheet

Type designation	Choke (control) valve
Mokveld model	RZD - R - TC
Sizes and pressure ratings	Sizes 3" - 20" Rating ASME Class 600 - 2500 or API 3000 - 10000 Higher pressure ratings and larger dimensions upon request
In preference to	Angle choke valve (especially larger sizes) Rotating disc choke valve (angle and in-line) Conventional globe control valve (angle and in-line) Choke ball valve (in-line)
Typical applications	Oil & Gas Production Handling of untreated and wet gas Joule Thomson Valve Optional Emergency Shut Down (ESD) configuration



Mokveld Axial Choke Valves offer the following main features:

- **Axial flow** Streamlined flow path through full-port expanded body avoids turbulence and prevents vibration and erosion of body and trim parts. Its reliability reduces the total cost of ownership and unplanned process downtime.
- **Availability** The Total Velocity Management® concept is an intelligent valve design that carefully manages fluid velocity in all areas of the valve, minimizing erosion in body and trim. This significantly increases production availability.
- **Accurate control** Accurate control is possible (also with minimum opening) because of the fully pressure-balanced trim. Small, spring-opposed actuators can also be selected for large valve sizes.
- **High turndown** The high inherent capacity and accurate control features make the valve suitable for both start-up and well depletion production scenarios.
- **Compact** As a result of the low actuation force requirement, small actuators can be used; combined with a compact valve body design this minimizes the installation's footprint.
- **Process safety** Sometimes, a choke is considered as a safety device to prevent overload of the relief system. In this axial choke the Tungsten Carbide cage is inherently protected against direct impacts by foreign objects.
- **ESD configuration** The self-energising sealing system offers reliable bi-directional and bubble tight shut-off. Therefore the axial choke valve can also be configured for Emergency Shut Down with quick and dependable valve closure.
- **Special features**
 - Custom-designed valve, trim and actuator for each unique choke application.
 - Wide variety of liquid, gas and multi-phase trims in linear and equal% execution.
 - Special RCU large hole trims for dirty well clean-up service and RDS high capacity trims for negligible pressure loss at well depletion stage.
 - Full range of matching Mokveld pneumatic and hydraulic actuators with tailored control arrangements is available. Actuation with other types of actuators is possible.

For more detailed information, please contact Mokveld.