

Axial Choke Valve

Product summary sheet

Type designation

Choke (control) valve

Mokveld model

RZD - R - TC

Sizes and pressure ratings

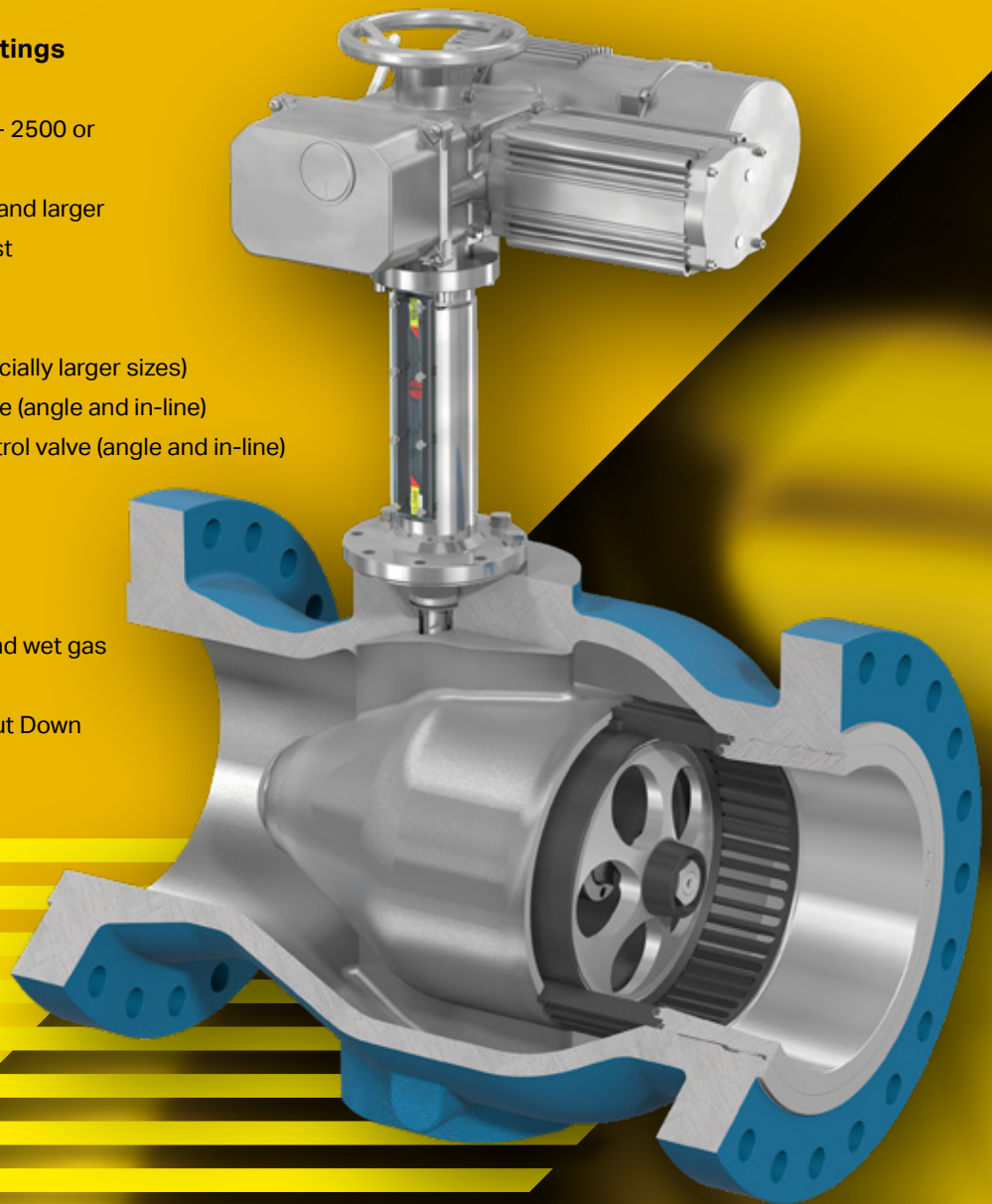
- Sizes 3" - 20"
- Rating ASME Class 600 - 2500 or API 3000 - 10 000
- Higher pressure ratings and larger dimensions upon request

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
- 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 total cost of ownership and unplanned 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

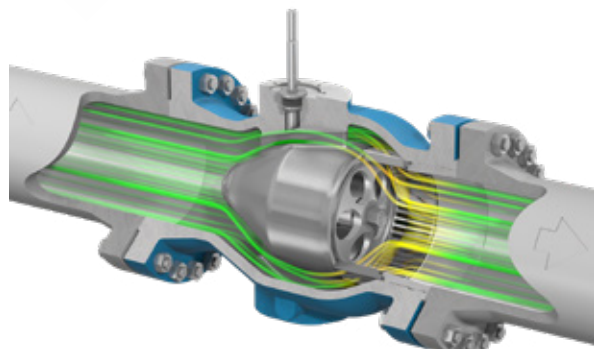
Accurate control is possible (also with minimum opening) because of the fully pressurebalanced trim. Small, spring-opposed actuators can also be selected for large valve sizes.

High turndown

High capacity and accurate control features make the valve appropriate for both start-up and well depletion production scenarios. One-valve solution for full process envelope. Large hole trims for dirty well clean-up service and high capacity trims for minimized pressure loss at well depletion stage.

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.
- Low fugitive emission: Tightness class B certified conform ISO 15848-1 (optional).
- Fire safe design.
- Full range of matching Mokveld pneumatic and hydraulic actuators with tailored control arrangements is available. Electric and electro-hydraulic actuation is also available.

For more information, please contact Mokveld.



Mokveld Valves BV, experts in axial valve systems.

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