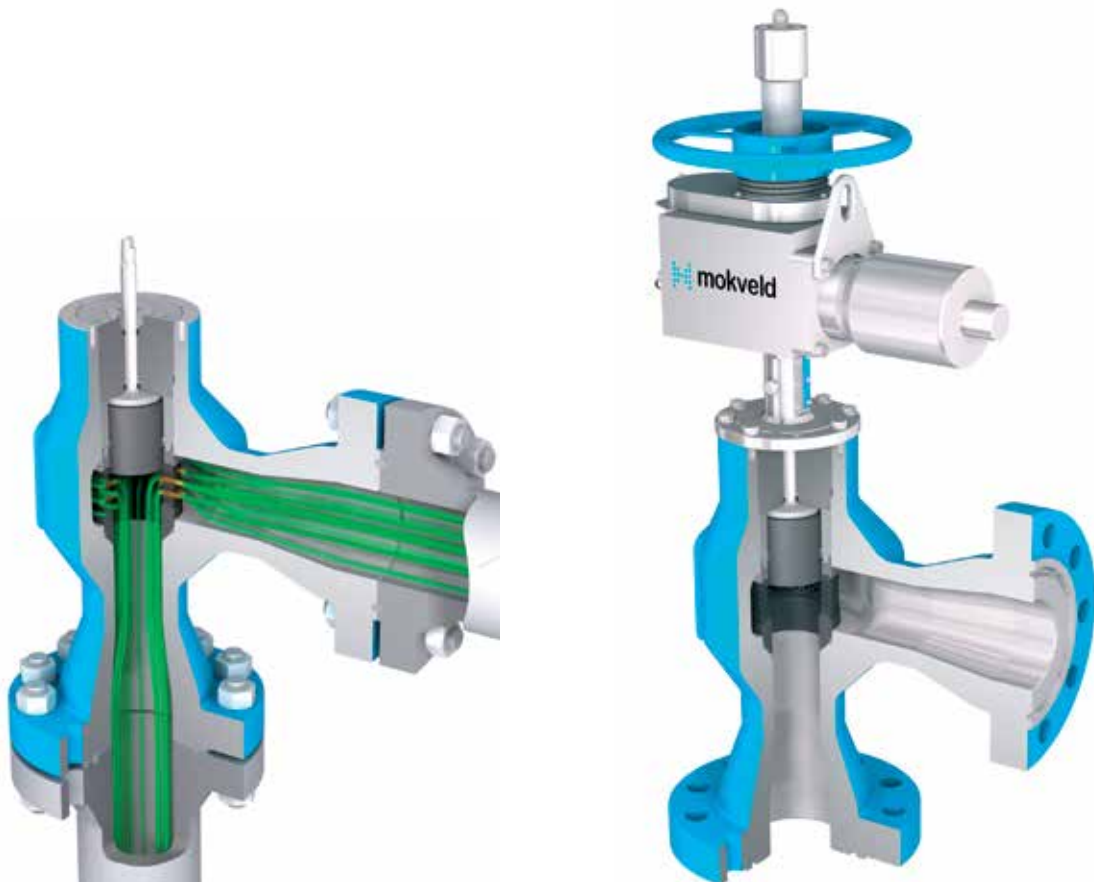


angle choke valve

product summary sheet

Type designation	Choke (control) valve
Mokveld model	CHV - R....
Sizes and pressure ratings	Sizes 2" - 8" Rating ASME Class 600 - 2500 or API 3000 - 10000 Larger sizes and higher pressures (incl. API 15000) on request
In preference to	External sleeve choke valve Rotating disc choke valve Conventional globe control valve Angle control valve
Typical applications	Oil & gas production (multi-phase) Water & gas injection Gas lift Joule Thomson valve



Mokveld angle choke valves offer the following main features:

- **Unique TVM®** Total Velocity Management® concept: intelligent valve design that carefully manages fluid velocity in all areas of the valve, minimizing erosion of body and trim.
- **Maximized up-time** Improved gallery area and flow path design results in maximised production up-time. Our standard design includes a cage, piston and bean of solid high-quality Tungsten Carbide with the grade selected depending on the service.
- **Accurate control** Pressure-balanced trim and the use of low-friction lip seals allow small actuators and accurate control (also with minimum opening).
- **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.
- **FloSafe® bean** Upon request the choke can be equipped with a FloSafe® bean to provide ultimate protection against relief system overload.
- **Safety bonnet** The screwed safety bonnet prevents the well-known 'closed-in pressure risk' with disassembly, associated with bolted bonnet chokes.
- **Easy maintenance** The weight of the choke parts is low, and their number limited. This ensures easy maintenance and reduces lost production time. With angle transmission installed, the choke can be maintained without removal of actuator and instrument connections.
- **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 minimized pressure loss at well depletion stage.
 - 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 detailed information, please contact Mokveld.