

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 - 10 000
- Larger sizes and higher pressures (incl. API 15 000) 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



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

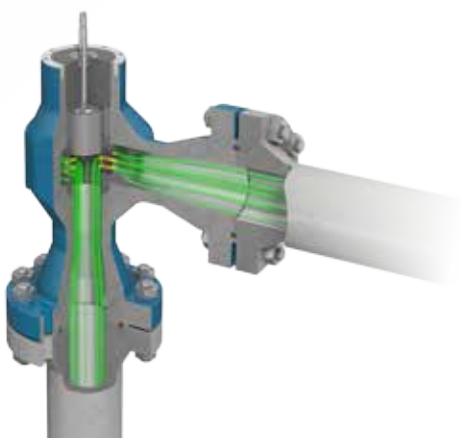
Pressure-balanced trim and the use of low-friction lip seals allow small actuators and accurate control (also with minimum opening).

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. Large hole trims for dirty well clean-up service and high capacity trims for minimized pressure loss at well depletion stage.

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.
- Low fugitive emission: Tightness class B certified conform ISO 15848-1.
- Fire safe: API 6FA certified.
- Full range of matching Mokveld pneumatic and hydraulic actuators with tailored control arrangements is available. (Low power) electric and electro-hydraulic actuation is also available.

For more information, please contact Mokveld.



Here displayed with a
Low Power Actuator
≤ 60W at 24V
Ideally for UPS, battery
operation or solar
powered systems.