

CAM30-DC

Multitrim drilling choke

APPLICATIONS

Choke and kill, well control, and managed pressure drilling (MPD) manifolds

BENEFITS

- Enhanced well control through advanced trim designs and variable speed actuation
- Easy adaptation for multiple configurations as a result of modular trim and bonnet components
- Longer service life

FEATURES

- Multiple solid tungsten carbide trim options
 - Gate-and-seat trim sizes up to 2-in throughbore
 - Needle and seat trim sizes up to 2-in orifice with easily replaceable needle tip
 - External floating sleeve
 - Positive bean fixed orifice
 - Plug and cage
- Multiple actuation options
 - Manual handwheel
 - Electric actuation
 - Variable speed control
 - Pneumatic or hydraulic actuation
- Standard pressure rating of 10,000 psi [68.9 MPa]
- Multiple flange and end connection options
- Interfaceability with H2* needle-and-seat chokes
- Various alternative end connections and dimensions also available
- API Specification 6A classification for wellhead and production tree equipment
- API Specification 16C classification for choke and kill systems

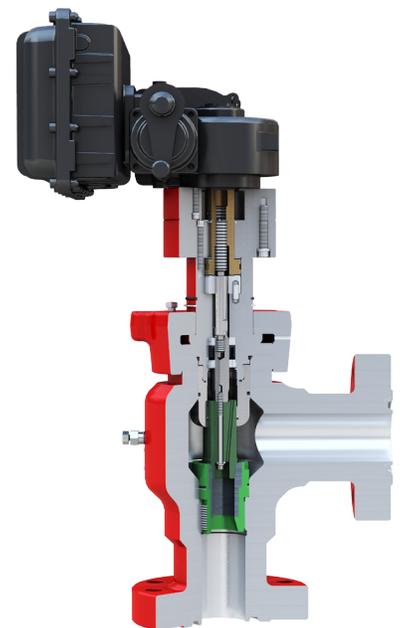
The critical nature of chokes in drilling operations led Cameron to develop the CAM30-DC multitrim drilling choke, which presents a simple method of deploying actuated and manual equipment as operations evolve. Designed for adaptability, the CAM30-DC choke valve features a modular design, easily interchangeable trim styles, and manual and actuated configurations. Adaptation from a manual to an actuated choke does not require choke disassembly, enabling minimal downtime on the drilling manifold.

The gate-and-seat trim can be easily replaced with the external floating sleeve trim for greater control and erosion resistance. Multiple actuation options — from manual handwheel to variable speed electric actuation — are also offered. The CAM30-DC choke offers up to a maximum of 2-in orifice size. A common choke body across the CAM30 series of valves ensures direct interchangeability.

The choke is especially advantageous in MPD and dual-gradient drilling operations because changing trims helps to successfully regulate well pressure and cope with kicks from gas entrained in the drilling mud. The valve is built with trim parts made of highly erosion-resistant, hard materials, such as tungsten carbide, which resists wear and erosion much longer compared with other materials in severe service environments.



CAM30-DC multitrim choke valve.



CAM30-DC multitrim choke valve (internals).