

CHURCH UPSTREAM TECHNOLOGIES

TYPE C30 CHOKES

The Type C30 flow control choke valve is a field proven design used in choke and kill manifolds, production trees, and fracking manifold assemblies. Interchangeable internal components keep spares and internal component replacement costs to a minimum. The C30 choke is available in a positive fixed orifice and a manual, adjustable orifice design. The adjustable design has a visual position indicator which shows equivalent orifice or “bean” size for flow rate calculations. The adjustable choke stem or “needle” is threaded external to the valve and can be lubricated during flow through the choke, ensuring smooth and reliable operation.

A threaded bonnet nut allows trapped body pressure to be released prior to bonnet removal. An external relief valve ensures any internal pressure is released prior to bonnet removal or from installation.

All stainless-steel internal components ensure maintenance free operation. Type C30 chokes can be furnished in API flanged, studded, threaded, hammer union, or clamp end configurations.

Church Upstream Technologies uses materials of the finest quality in the manufacture of the C30 Choke. Every component is traceable back to its original mill test certificate.

Design features:

- Designed and manufactured to API Specification 6A (ISO 10423)
- Operating pressures up to 15,000 psi (103.4 MPa)
- Inlet and outlet flange sizes from 1.81” to 4.06” (46-103 mm)
- Available in 1”, 2” and 3” maximum orifice designs
- Position indicator gives direct orifice reading
- Cavity pressure vented during bonnet removal
- External relief valve vents cavity pressure prior to bonnet removal or from installation
- API Flanged, studded, threaded, hammer union, or clamp end connections
- All API 6A PSL, PR, material, and temperature classes available
- All internal stainless-steel components
- Forged construction for H2S service per NACE MR-0175 (ISO 15156-1)

