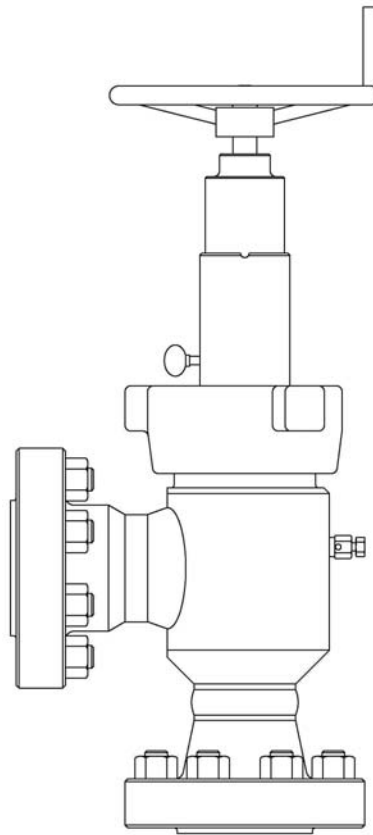




TYPE 30 (H2)
POSITIVE AND
ADJUSTABLE (MANUAL)
CHOKES



2810 WASHINGTON DR. * HOUSTON, TEXAS * 77038

CHURCH ENERGY

TYPE 30(H2) CHOKES

The Type 30 (H2) Choke is designed for safe and reliable flow pressure control during production, drilling or well service operations. The simple design has been proven and accepted for reliable operation in all oil and gas areas in the world. The Type 30 Choke is available in a positive and adjustable (manual) design. The positive choke has a fixed size orifice and is used primarily in production applications. The adjustable choke has a manually operated needle or stem, which provides variable flow rates. A visual indicator provides an indication of approximate orifice size for flow rate calculations.

The Type 30 choke is available in three basic sizes, a 1" (25.4mm) maximum orifice, 2" (50.8mm) maximum orifice, and a 3" (76.2mm) maximum orifice. Pressure ranges from 2000 to 15,000 psi are available. Inlet and outlet connections up to 4-1/16" bore can be provided.

The positive and adjustable chokes utilize a replaceable threaded seat or bean that is interchangeable between the maximum orifice ranges of 1", 2" or 3". A bonnet assembly is retained to the choke body by an acme-threaded nut with integral external lugs. Using a hammer, bonnet removal and installation is simple and efficient. An external pressure relief valve allows release of any trapped body pressure prior to bonnet removal.

The adjustable choke utilizes a threaded stem, which with rotation traverses into or out of the body cavity. When actuated into the seat a positive shutoff of flow is performed. The stem is sealed to the bonnet by a Teflon® jacketed seal, which allows for low torque operation even with pressure in the choke. A manual stem locking screw prevents stem movement after orifice setting. Bonnet assemblies of the positive and adjustable chokes are interchangeable between the bodies of various sizes of the Type 30 choke.

Type 30 chokes are available in all temperature and material classes, and PSL levels according to API Specification 6A and ISO 10423.

Special design features of the Type 30 (H2) Choke:

- Designed and manufactured to API Specification 6A and ISO 10423 for Wellhead and Christmas Tree Equipment
- Positive and Adjustable designs available in 1", 2" or 3" maximum orifices
- Inlet and outlet sizes up to 4-1/16" bore in a 90° body configuration
- 2,000 to 15,000 psi maximum working pressures
- Adjustable design uses a visual indicator showing orifice size
- Body relief valve provides venting of body pressure prior to bonnet removal
- Forged materials rated for H2S service per NACE MR0175