

# Type 32 Hydraulic Drilling Choke

The AXON Type 32 drilling choke utilizes two flat tungsten carbide discs with a half round cut out in each disc, available in manual and hydraulic configurations. One disc remains stationary while the other rotates, providing a variable orifice according to requirements. In addition, the lapped matting surfaces of the discs provide a positive seal when the choke is closed. Moreover, the choke control panels are available in single or dual choke operation.



## SPECIFICATIONS

- Designed and manufactured to 10423 (API 6A) for Wellhead and Christmas Tree Equipment
- Rotating Tungsten carbide discs provide precise choke flow control
- 1.57" (40mm) equivalent maximum diameter orifice opening with positive sealing
- Inlet and outlet sizes 2-9/16" to 4-1/16" bore in a 90° body configuration
- 5,000 to 15,000 psi (34.5 to 103.5 MPa) maximum working pressures
- Replaceable downstream wear sleeves protect body from erosion and wear
- Forged materials rated for H<sub>2</sub>S service per ISO 15156-1 (NACE MR-0175)
- Choke control panels are designed to API Specification 16C for Choke and Kill Systems

## FEATURES / BENEFITS

### Operating Features

- Hydraulic fluid applied to a rotary actuator rotates the disc to precise choke control of the process fluid
- Stem (or fork) attached to the rotating disc is sealed in the choke bonnet and connected to the actuator assembly
- Visual choke position is made in an open area between the choke bonnet and actuator
- Variable, low-pressure pneumatic, signal relays the choke position to a remote choke control panel
- Replaceable wear sleeves located below the carbide discs protect the choke body from flow wear and turbulence
- Pressure relief valve, located on the choke body, ensures any trapped pressure is released from the choke prior to bonnet removal

### Control Panel

- Operated with hydraulic fluid from an air-operated pump in the remote choke control panel
- Choke control panels available in single or dual choke operation
- Battery operated pump stroke counters, choke position indicator, remote manifold pressure transmitter gauges, and manual pump back up also provided in the choke control panels