PASON
Electronics Choke Actuator

Designed to regulate the rate at which excess gas pressure is bled out of the manifold, the Pason Electronic Choke Actuator provides a means of remotely controlling the choke valve. Its exemplary service record sets a precedent for high reliability, low maintenance, and ease of installation. The Pason Electronic Choke Actuator is lightweight and installs easily, using the rig’s standard 110 or 220 volt power supply.

Function
The Pason Electronic Choke Actuator mounts easily on Willis M2 or M3 ¼ turn choke valves. Operated from the doghouse or other remote locations where a controller is installed, the Pason Electronic Choke Actuator’s cables connect to the Pason Electronic Drilling Recorder (EDR). Once connected, casing pressure signals are transmitted from the manifold to the Pason EDR. The Pason EDR displays parameters including choke position, strokes, total strokes, pump displacement, pump rate, standpipe pressure, and casing pressure. In the event of loss of power, the Pason Electronic Choke Actuator allows for manual override.

Features
- Fits almost anywhere due to the device’s compact design.
- Lightweight control box can be wall-mounted.
- Single electronic cable replaces cumbersome hydraulic lines and air hoses, thereby eliminating freezing and leaking problems.
- Uses standard 110 or 220 volt power supply.
- Ties directly into the Pason EDR.
- Virtually maintenance-free.
- Proven dependability in critical well control situations.
- Optional manual (no power) operation.
Electronic Choke Actuator

Components

Actuator:
Contains an electronic motor that opens and closes the choke valve. It is installed on the existing choke valve located in the manifold shack.

Mounting bracket:
Holds the electronic choke actuator to the existing choke valve body.

Hex drive coupler:
Attaches the electronic motor rotation to the existing choke valve.

Casing sensor:
Detects casing pressure and provides input to the Pason EDR.

Control boxes:
Opens and closes the choke valve and displays valve position. It is typically installed in the manifold shack and/or the driller’s console.

Cables:
Connect the casing sensor, control boxes, and actuator together. They also connect to the Pason EDR Junction Box, if present.

For more detailed information about any of our services, contact the Pason sales team by visiting our website at www.pason.com