



SHIELD



PRESSURE CONTROL

Features

- The **SHIELD** application based pressure control system is focused on simplicity
- Stop using rig chokes, and poorly sized equipment. Stop wearing out your well control Chokes.
- Compact control system reducing the need for complicated and expensive drive servo combinations
- Proprietary electric linear actuator
- Pressure & position setpoint control
- Driller-friendly interface:
- No position calibration required
Automated gain control

Key Benefits

- Robust, smaller, simpler
- RCD with Secondary Latch
- Rig operated, and maintained
- Minimal training
- No cable length restriction
- Analog outputs to EDR
- Intrinsically safe single wire command & feedback
- Locally Owned and Operated

**A Permian Specific,
Right Sized Solution**

SHIELD

PRESSURE CONTROL

RCD

Sealed Bearing
Secondary Latch
Big Bore Bearing
Multi-Outlet Body

Low Maintenance
No Service Personnel
Allows Larger Drill Pipe

Simulator

Simulator System
For Pre-Training and
Familiarization of
Personnel

Apple (iOS)
Android
Phone & Tablet
Compatible

Technical Specifications

System

Pressure Rating	2,500 psi Continuous
Assembly Weight	950 lbs

Choke

Inner Diameter	3 in (76.2 mm)
Connection	4 1/16 in. 5K API RTJ
Rated Pressure	3000 psi
Actuator Power	20A 110/220 V AC 50-60Hz
Stroke Time	11 s
Rating	Class 1, Division 1
Local Override	Manual and Electronic

Control Panel / Touchscreen HMI

Power	5A 110/220 V AC 50-60Hz
Full Color HMI	7"
Rating	Class 1, Division 2

Linear Actuator

Hysteresis	0.25% of span
Weight	165 lbs

ADS Disclosures



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