

# SHIELD

#### **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

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#### **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 Rating2,500 psi ContinuousAssembly Weight950 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

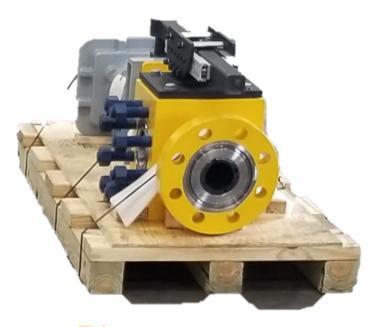
#### **Linear Actuator**

Hysteresis	0.25% of span
Weight	165 lbs

ADS Disclosures



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