

# SHIELD Ultra-Lite



SHIELD PRESSURE CONTROL®

## Pressure Control



The SHIELD Ultra-Lite provides a cost effective drilling fluid return pressure control system for your closed system drilling needs.

The V-ball valve is a design tested under field conditions. It has been designed to help operators overcome the challenges of drilling in extreme environments with confidence.

A remote-control panel is situated beside the driller allowing opening and closing of the valve. The percentage opening of the valve and the pressure in the annulus are displayed giving full control over wellbore pressure while drilling.

This system is the first solar powered, battery powered, rig powered and intrinsically safe pressure control system in the world. It is completely autonomous from the rig power supply to assure on demand use at any time. Patent Pending.

### TECHNICAL OVERVIEW:

- 0-500 psi operational rating
- 1500 psi pressure rating for shut-in
- 4-piston compact actuator
- 6 inch or 8 inch bore available
- 0-1000 psi pressure transducer
- Displays % opening of the valve
- Intrinsically safe cabling, Class I, Div. 1
- Remote Control Panel

### APPLICATIONS:

- Drilling Safely with a Closed System



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