

Shield Pressure Control

High-Performance Elements

SD - ST - SE

Elements you can rely on.

Shield Pressure Control is the expert when it comes to providing the right element for your drilling challenges.

Downtime, because of element issues, reduces drilling efficiencies and creates unwanted safety concerns. Shield Pressure Control has optimized the design of its elements to deliver significant cost reductions in wells and enables crews to drill quickly and safely.

Shield Pressure Control has engineered specific element designs and can advise on the optimum solution for each drilling program. Drilling conditions using oil-based muds, water-based muds, air drilling, returns (H₂S, CO₂, drilling cuttings), high pressures at the surface, high temperatures at surface are conditions Shield Pressure Control has vast experience with and can recommend the correct element for your application.

Having a proven track record of superior performance in multiple basins across the US, we have optimized not only for performance but for ease of use for the drill crew. All elements are easy and quick to change out; requiring minimal parts to be replaced and are all color-coded for drill pipe size



TECHNICAL SPECIFICATIONS

Shield Durable- SD

Material: Polyurethane
Temperature rating: 30F - 185F
Pressure Rating: 0-3,000 PSI
OBM vs WBM: Both
Standard sizes – 4" Blue, 4.5" Orange, 5" Yellow, 5.5" Green
Lifetime / Durability - High

Shield Extended Temperature - ST

Material: Nitrile
Temperature rating: 10F – 200F
Pressure Rating: 0 -3,000PSI
OBM vs WBM: Both
Standard sizes – 4.5", 5", & 5.5" (Black)
Lifetime / Durability - Medium

Shield Extreme Conditions - SE

Material: Natural Rubber
Temperature rating: - Various
Pressure Rating: 3,000PSI
OBM vs WBM: Various Preferable for Air and WBM
Standard sizes: Per Order
Lifetime / Durability – Very High



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Element Performance

Element performance varies based on usage. When correct elements are used the average lifetime is 31,000ft or 4-20 days. The data above is a mixture of OBM, WBM, and air drilling 90-150rpm. This was all collected for rigs in imperfect drilling conditions.

Features and Benefits

- Durable and long-lasting
 - Reduced NPT
 - Improved drilling efficiencies
 - Safer sealing
 - Quick change out
 - All element types fit Shield Pressure Control RCD's
- Element Selection
 - Stock of common solutions for your basin locally
 - SME's support pick element type and size
 - Quick and easy to change out and install
 - Color-coded to avoid mistakes



For further questions or quotation requests contact Sales@shield-pc.com or visit www.Shield-PC.com to see further chokes, controls, and PRV solutions. Also consider visiting adsmpd.com for RCD's and MPD solutions.



Shield Pressure Control

Element Track Record

Designed in-house for optimal performance in the field.

