

**PRODUCTS - SOLUTIONS - RESOURCE**

**PRODUCT OVERVIEW:**

The Zone Starter is a high performance tool designed to work as a communication port at the toe of a completion. The Zone Starter is suitable for horizontal well bores near the toe for initial pump down in “plug and perf” operations eliminating the need for a costly TCP run. It can be used in cemented or uncemented applications.

Its purpose built design ensures cement will not impede its functionality and is fully open once activated. Once activated the Zone Starter instantaneously opens at a specific pressure value. The sleeve is then locked into the open position. With its restricted flow area the Zone Starter ensures minimal loss of frac fluid during pumping operations.

Pump down plug runs or alternative completion operations can than be performed. The Zone Starter has a 12,000 psi absolute pressure rating. Alternate materials which conform to NACE MR-01-75 for H2S service applications. Along with other configurations are available.

**FEATURES:**

- ❑ Short & slim design
- ❑ Torque through the tool during make-up and while RIH.
- ❑ Friction reducer coating on piston prevents cement bonding.
- ❑ Once activated sleeve is locked in open position.
- ❑ Eliminates costly TCP run.
- ❑ 12,000 psi absolute pressure rating.
- ❑ Polymer based plugs prevent debris entry and cement bonding into flow ports and unused shear screw holes.
- ❑ Dual poppet system ensures consistent, reliable activation.
- ❑ Isolated atmospheric chamber activates independent of differential pressure.
- ❑ Standard and premium thread connections available.

