

ULTRA INTERVENTIONLESS MAGNUMDISK™

Innovation revealed

The Ultra Interventionless MagnumDisk™ barrier valve isolates wellbore reservoir pressure utilizing two dome-shaped disks. The MagnumDisks™ are made of a proprietary material that gives them incredible strength and durability in a variety of downhole conditions up to 20,000 psi (137.9 MPa).

The Ultra Interventionless MagnumDisk™ tool is run as an isolation barrier on the bottom of the tubing and/or below a packer BHA to isolate the tubing and act as a barrier to set hydraulic set packers. After all tests are performed, a predetermined activation pressure is applied at surface to remove the MagnumDisks™. Once the disks are removed, the wellbore fluids can then be produced up the production tubing.

Features

- Eliminates the need for intervention with slick-line or coiled tubing
- Accurate to plus or minus 2% absolute pressure value
- Allows for activation pressures up to 20,000 psi (137.9 MPa)
- Field adjustable activation values
- Used as barrier to set hydraulic packers
- Used to float casing or liners into horizontal wellbores
- Full-bore opening to tubing/casing ID after the Ultra Interventionless MagnumDisk has been activated and disks removed
- Economical alternative to profile nipple with a plug, eliminates plug & prong removal runs
- Used to negative test liner top
- Premium threads available
- Available with seals and CRA materials for use in hostile environments (H₂S and CO₂)
- Can be run in heavy muds
- Temperature rated up to 400°F (204°C)
- Little to no interfering debris left in the wellbore
- Can be pressure tested prior to installation
- Used for snubbing applications in live wells*
- Patent Pending Technology

*Nine Energy Service recommends the use of the Ultra Interventionless MagnumDisk™ for snubbing operations, as long as the pressure control company and/or operator have procedures in place to secure/control the well in the unlikely event of tool failure.



The Ultra Interventionless MagnumDisk™ barrier valve is also available with Mule Shoe Wireline Re-entry.

Description inch (mm)	Tool O.D. inch (mm)	Tool I.D. inch (mm)	Maximum Internal Pressure Rating	Maximum Reliable Temperature
3-1/2 (88.9)	5.35 (135.9)	2.92 (74.2)	20,000psi (137.9MPa)	400°F (204.4°C)

**Tool O.D. Based on P110 Material
Ultra Interventionless Dual MagnumDisks™ are available with Box x Pin and Box x Muleshoe Connections.
Custom-sized MagnumDisks™ can be manufactured upon request.

For more information, and to find a representative near you, visit nineenergyservice.com