

SINGLE & EXTREME SINGLE MAGNUMDISK™ BARRIER VALVES

INNOVATION REVEALED

There are two versions of the MagnumDisk™ Barrier Valve; The Single 10,000psi MagnumDisk and the Extreme Single 15,000psi MagnumDisk. The Single MagnumDisk Barrier Valve is primarily used as a barrier for Snubbing operations. Once the tubing is landed, pressure is applied down the tubing to create the required overbalance to remove the MagnumDisk internal barrier device. The Single MagnumDisk Barrier Valve is also used in conjunction with completion packer BHA's and TCP BHA's as an underbalance device. In these applications the MagnumDisk internal barrier device is removed by applying pressure from surface, with a MagnumDisk Drop Bar or a MagnumDisk Breaker Tool with slickline or coiled tubing.

Features

- Economical alternative to profile nipple with a plug
- Eliminates plug & prong removal runs
- Used for snubbing applications in live wells*
- Full bore opening to tubing I.D. after MagnumDisk™ is removed
- Gas bubble tight rated available
- Maximum surge potential of formation after perforating
- Available with premium threads and materials
- Can be run in hostile environments (H2S and CO2)
- 400°F (204°C) rated
- Can be run in heavy mud environment
- Little to no interfering debris left in the wellbore
- Can be pressure tested prior to installation
- Reusable, with redressing kit
- Patented Technology



Available with Mule Shoe
Wireline Re-Entry

*Nine Energy Service recommends the use of the Single 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.

| | Description inch (mm) | Tool O.D. * inch (mm) | Tool I.D. inch (mm) | Top Side Disk Rating | Maximum Internal Pressure Rating | Maximum Reliable Temperature |
|-------------------------------|-----------------------------|-----------------------------|---------------------------|-------------------------|-------------------------------------|---------------------------------|
| Single MagnumDisk™ | 1.00 (25.4) | 1.90 (48.3) | 0.96 (24.3) | NR | 10,000 psi (68.9 MPa) | 400° F (204.4° C) |
| | 1-1/4 (31.8) | 2.06 (52.3) | 1.38 (35.1) | | | |
| | 1-1/2 (38.1) | 2.22 (56.4) | 1.61 (40.9) | | | |
| | 2-1/16 (52.4) | 2.33 (59.1) | 1.67 (42.5) | | | |
| | 2-3/8 (60.3) | 3.06 (77.7) | 2.00 (50.8) | | | |
| | 2-7/8 (73.0) | 3.67 (93.2) | 2.44 (62.0) | | | |
| | 3-1/2 (89.9) | 4.25 (108.0) | 3.00 (76.2) | | | |
| | 4-1/2 (114.3) | 5.50 (139.7) | 4.00 (101.6) | | | |
| | 5.00 (127.0) | 5.94 (150.8) | 4.50 (114.3) | | | |
| | 5-1/2 (139.7) | 6.50 (59.1) | 4.89 (124.3) | | | |
| | 6-5/8 (168.3) | 7.55 (191.8) | 5.88 (149.4) | | | |
| | 7.00 (177.8) | 8.13 (206.4) | 6.37 (161.7) | | | |
| | 9-5/8 (244.5) | 11.25 (209.6) | 8.55 (217.2) | | | |
| | 10-3/4 (273.1) | 12.38 (314.3) | 9.66 (245.4) | | | |
| Extreme Single MagnumDisk™ | 2-3/8 (60.3) | 3.25 (86.2) | 2.00 (50.8) | NR | 15,000 psi (103.4 MPa) | 400° F (204.4° C) |
| | 2-7/8 (73.0) | 3.75 (95.3) | 2.44 (62.0) | | | |
| | 3-1/2 (89.9) | 4.50 (114.3) | 3.00 (76.2) | | | |
| | 4-1/2 (114.3) | 5.75 (146.1) | 4.00 (101.6) | | | |
| | 5.00 (127.0) | 6.31 (160.4) | 4.50 (114.3) | | | |
| | 5-1/2 (139.7) | 6.88 (174.6) | 4.89 (124.3) | | | |
| | 7.00 (177.8) | 8.75 (222.3) | 6.37 (161.7) | | | |
| | 9-5/8 (244.5) | 11.25 (298.5) | 8.55 (217.2) | | | |

*Tool O.D. Based on P110 Material

Single 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