

MAGNUMDISK™

ISOLATION SUB

INNOVATION REVEALED

The **Magnumdisk™ Isolation Sub** is designed to keep the static area below the communication ports completely isolated for TCP operations. To achieve the isolation condition, this tool uses a high strength dome disk that is placed below the flow ports on the sub housing. The ports are used for production, pump volumes, or to simply act as a tubing drain while pulling out of the hole.

FEATURES

- Safe, economical, simple and reliable
- 10,000 psi differential rating
- Full opening ID once the disk is shattered
- Maximum Surge Protection
- Other sizes, thread type and materials available upon request
- Higher pressure tools available upon request
- Maximum flow area
- Available with premium threads & materials
- Can be run in heavy mud environment
- Redress Kits Available

OPERATIONS

The Magnum Isolation Sub is placed below the packer and should be placed a minimum of 30' (9.1M) above the mechanical firing head device. Run the TCP guns into the well and one joint of tubing. Fill the tubing with clean fluid and install Isolation Sub. Continue to run TCP assembly to perforation depth. Correlate into position, set and pressure test packer. Release drop bar at surface. The drop bar will shatter the ceramic disk then hammer the firing pin to activate the firing head.

WARNING: Only qualified personnel should use or assemble Magnum TCP equipment. Use of Magnum TCP equipment in contrary to our specifications may result in property damage, injury or fatality. If you are not trained in the handling and the use of explosive devices, DO NOT attempt to assemble any Magnum Perforating Systems or Magnum Firing Devices.



* Other thread types available upon request / ** Use VITON 90 DURO O-RINGS / *** Differential Pressure

O.D. inch (mm)	BOX X PIN CONNECT* inch (mm)	TOOL I.D. inch (mm)	MAX PSI ABOVE DISK CONCAVE SIDE***	MAX PSI BELOW DISK CONCAVE SIDE***	MAX TEMP. **	FLOW PORT FLOW AREA inch ² (mm ²)	LENGTH
3.062 (77.8)	2-3/8 EUE (60.3)	1.995 (50.8)	10,000 PSI (68.9MPa)	1,000 PSI (6.9 MPa)	450° F (232°C)	3.970 (2,561.3)	11 (279.4)
3.688 (93.7)	2-7/8 EUE (73.0)	2.441 (62.0)				4.900 (3,161.3)	
4.500 (114.3)	3-1/2 EUE (88.9)	2.992 (76.0)				7.070 (4,561.3)	



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