



REVERSE CIRCULATING VALVE

The Titan Reverse Circulating Valve is used to establish circulation, usually above a closed ball valve or plugged flow ports, to pump annular fluids into the drill pipe or tubing. This tool is assembled with a Rupture Disc that is chosen prior to running in the hole based on the well operating pressures. When the Rupture Disc is exposed to the required pressure, it bursts and allows the pressure to operate a piston which opens the circulation ports.

Features/Benefits

- Is opened with hydrostatic plus applied pump pressure
- Can be run in conjunction with DST Tools
- Can be run with other fill/venting tools to establish required underbalance

Specifications

Thread	2 3/8" EU 8rd	3 1/2" API IF
Outside Diameter (OD)	3.375 in (85.72 mm)	4.75 in (120.65 mm)
Inside Diameter (ID)	2.000 in (50.80 mm)	2.50 in (63.50 mm)
Overall Length	2.00 ft (0.61 m)	3.32 ft (1.01 m)
Makeup Length	1.83 ft (0.56 m)	3.00 ft (0.91 m)
Min. Operating Press.	1,000 PSI (68.95 bar)	1,000 PSI (68.95 bar)
Max. Operating Press.	20,000 PSI (1,380 bar)	20,000 PSI (1,380 bar)
Max. Differential Press.	14,000 PSI (965.3 bar)	15,000 PSI (1,034.2 bar)
Calculated Tensile	180,000 lbs (81.6 t)	360,000 lbs (163.3 t)