



FILL/CIRCULATING VALVE

The Titan Fill/Circulating Valve is used to establish a predetermined fluid level in the tubing while running into the well or as a circulating valve to displace well fluid prior to setting the packer. 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 closes the ports.

Features/Benefits

- Can be closed with hydrostatic
- Can be closed with hydrostatic plus applied pump pressure
- Can be run in conjunction with DST Tools
- Can be run with other 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)