



Circulating/Fill-Up Valves - 2.375" - 3.500" Tubing

GEODynamics' Circulating/Fill-Up Valve is utilized to automatically establish a predetermined fluid cushion in the tubing or drill pipe while running into the well. The device may also be used as a Circulating Vent in conjunction with a Pressure-Actuated Vent to set a Hydraulic Set Packer, thereby eliminating the need to run a Standing Valve or Plug.

FEATURES/BENEFITS

- Economical, simple, safe, and reliable.
- Can be closed with hydrostatic or hydrostatic plus applied pressure
- Eliminates the need to top fill the work string while running in hole
- Precision shear pins guarantee actuation at required pressure
- Can be run in conjunction with DST tools
- Partial cushion TCP perforating
- Permanent completions
- Can be run with other venting tools to establish required underbalance
- Redressable on location



Circulating/Fill-Up Valves - 2.375" - 3.500" Tubing

SPECIFICATIONS

Assembly P/N	TC-CV23-0000	TC-CV28-0000	TC-CV35-0000
Tubing Thread Connections	2-3/8" EU API Box Up x Pin Down	2-7/8" EU API Box Up x Pin Down	3-1/2" EU API Box Up x Pin Down
Overall Length	23.0 in / 0.58 m	24.6 in / 0.62 m	25.6 in / 0.65 m
Outside Diameter	3.06 in / 77.72 mm	3.88 in / 98.55 mm	4.62 in / 117.35 mm
Inside Diameter	1.50 in / 38.10 mm	2.25 in / 57.15 mm	2.87 in / 72.90 mm
Max Operating Pressure	10,000 psi / 68.95 MPa		
Max. Differential	8,000 psi / 55.16 MPa		
Burst Pressure	18,000 psi / 124.10 MPa	13,000 psi / 89.63 MPa	11,500 psi / 79.29 MPa
Collapse Pressure	16,000 psi / 110.32 MPa	12,000 psi / 82.74 MPa	11,000 psi / 79.84 MPa
Seal Ratings	10,000 psi STD 20,000 psi with Viton and PEEK Back-up rings		
Calculated Tensile	150,000 lbs / 667.2 kN	200,000 lbs / 889.6 kN	200,000 lbs / 889.6 kN

