



GENERAL PRODUCT SHEET

Circulation Closing Valve Assembly

PRODUCT DESCRIPTION:

The Circulating Closing Valve (CCV) assembly is designed to be used at the toe of the liner system. The CCV allows for circulation as the PosiFrac® System is being run in hole. A ball-actuated mechanism isolates the internal casing pressure, enabling activation of the Hydraulic-Activated Fracturing Sleeve with pressure.

PROVIDE SOLUTIONS FOR:

- Horizontal open hole multi-stage hydraulic fracturing completions

FEATURES:

- The ball-activated valve assembly has a built-in backup with redundant ball seats
- Positive locked-closed system
- A large circulation area and direct flow path ensures large fluid bypass
- The ball seat can be readily milled out with conventional milling Bottom Hole Assembly (BHA)

BENEFITS:

- Increased operational reliability
- Bi-directional barrier enabled pressure test and well control
- Reduced risk of plugging while circulating heavy drilling fluids
- Easily obtained access to wellbore

TOOL SIZES:

Casing Size in. (mm)	OD in. (mm)	Length in. (mm)	Burst psi	Shear Pressure psi
4 1/2 (114.30)	5.00 (127.00)	21.00 (533.40)	12,410	330 / screw 8 screws
5 1/2 (139.70)	6.45 (163.83)	22.00 (558.80)	14,510	670 / screw 4 screws

