

DESCRIPTION

The Single Shot Circulating Valve is used to reverse circulate fluids out of the drill stem at the end of a test. When a pressure disc is ruptured, the applied annulus pressure from the burst moves the mandrel and allows fluid through the ports. As the mandrel moves, a snap ring engages to hold the mandrel and keep the tool in the circulating position.

APPLICATIONS

- Drill stem testing
- Stimulation
- Well flow operations
- Fracking

FEATURES

- Single operation, permanent communication between tubing and annulus
- Precise operating pressure utilizing rupture discs
- Operated with either annular or tubing pressure
- Snap ring locks valve opens after cycling

SPECIFICATIONS

	3000AA	3000BS
O.D. in [mm]	5.0 [127]	3.125 [79]
I.D. in [mm]	2.25 [57]	1.125 [29]
LENGTH in [m]	49 [1.24]	36 [0.92]
WEIGHT lb [kg]	200 [90]	98 [44]
MAX TEMPERATURE degF [degC]	350 [177]	350 [177]
PRESSURE DIFFERENTIAL (annulus/tubing) psi [kPa]	15,000 [103,421]	15,000 [103,421]
PRESSURE ABSOLUTE psi [kPa]	15,000 [103,421]	15,000 [103,421]
TENSILE STRENGTH lbf [kN]	535,000 [2,379]	225,000 [1,004]
CONNECTIONS (premium connections available)	3-1/2 API IF	NC23
SERVICE	Sour service above 175°F as per NACE MR 0175	Sour service above 175°F as per NACE MR 0175

*These specifications are guidelines only. Refer to the equipment technical manual, or contact Northstar for more information.

