

DESCRIPTION

The Pump Through Flapper Valve (PTFV) is an annular rupture disc controlled emergency safety shut in valve used in HPHT environments where a secondary down hole barrier is required. Once the tool is closed, the flapper mechanism acts as a check valve to allow kill fluid to be pumped into the well while preventing back flow. The tool has the option to be configured with open circulation ports above the flapper to allow reverse circulation.

APPLICATIONS

- Drill stem testing
- Well flow operations
- Well kill check valve

FEATURES

- Flapper-style check valve
- Locked in place once activated
- Precise rupture disc activation
- Full-bore prior to activation
- Configurable circulation ports

SPECIFICATIONS

	3090BA	3090AS
O.D. in [mm]	5.0 [127]	3.125 [79]
I.D. in [mm]	2.25 [57]	1.125 [29]
LENGTH in [m]	63 [1.6]	72 [1.8]
WEIGHT lb [kg]	256 [116]	126 [57]
MAX TEMPERATURE degF [degC]	350 [177]	350 [177]
PRESSURE ABSOLUTE psi [kPa]	15,000 [103,421]	15,000 [103,421]
PRESSURE DIFFERENTIAL AGAINST FLAPPER psi [kPa]	15,000 [103,421]	15,000 [103,421]
PRESSURE DIFFERENTIAL (annulus/tubing) psi [kPa]	15,000 [103,421]	15,000 [103,421]
MAX TENSILE STRENGTH lbf [kN]	534,000 [2,375]	200,000 [890]
CONNECTIONS (premium connections available)	API or Premium Available	API or Premium Available
SERVICE	Standard or Sour Service (NACE MR0175)	Standard or Sour Service (NACE MR0175)



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