

DESCRIPTION

The M2 Tester Valve is an annular pressure controlled, unlimited cycle, down hole Test Valve designed for use in HPHT environments. The tool features a lock open mechanism to safely run through tubing services including coiled tubing, wire line, and slick line. The M2 Tester Valve can operate under extreme differential pressures, with minimal increase in operating pressure due to the internal bypass which equalizes pressure across the ball valve prior to cycling the tool to the open position. The M2 Tester Valve can be combined with the Boost Hydraulic Delay tool to allow a customized and precise desired operating pressure.

APPLICATIONS

- Drill stem testing
- Down hole well control and testing operations
- Tubing-conveyed perforating
- Completions
- Safety backup valve
- Stimulation

FEATURES

- Low operating pressure, even with high differential pressure across the ball
- Unlimited number of cycles
- Reliable closing force
- Low nitrogen pressure on surface
- Lock open position to safely run coiled tubing / wire line / slick line
- Fail safe open position provides an automatic emergency down hole close
- Suitable for all conditions: high hydrostatic pressure, H₂S, acid and heavy drilling fluids

SPECIFICATIONS

3030AC

O.D. in [mm]	5.0 [127]
I.D. in [mm]	2.25 [57]
LENGTH in [m]	247 [6.27] - 389 [9.88]
WEIGHT lb [kg]	854 [387] - 1,237 [561]
MAX TEMPERATURE degF [degC]	350 [177]
PRESSURE ABSOLUTE psi [kPa]	21,000 [144,790]
PRESSURE DIFFERENTIAL (annulus/tubing) psi [kPa]	15,000 [103,421]
PRESSURE ACROSS BALL STATIC psi [kPa]	15,000 [103,421]
PRESSURE ACROSS BALL OPENING psi [kPa]	12,000 [82,737]
CYCLES	Unlimited
TENSILE STRENGTH lbf [kN]	350,000 [1,557]
CONNECTIONS	API or Premium Available
SERVICE	Standard and sour service above 175 degF per NACE MR 0175:2003



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