

## FPT-V™ FLAPPER VALVE

Flapper Pressure Test Valve from Metrol.

### DESCRIPTION

The FPT-V is designed to allow the tubing string to be pressure tested while running in the hole. The valve incorporates a flapper mechanism that seats and seals when pressure is applied from above, but will float open against a retainer spring as the string is run in hole.

When the string is on depth and pressure testing is complete, pressure can be applied to the annulus to rupture a shear disc and shift an internal mandrel to lock open the flapper.

### FEATURES & BENEFITS

- > Enables self-fill of DST string
- > Withstands high differential across flapper
- > Suitable for DST, integrity tests & flex trips
- > Unrestricted ID once tool is locked open
- > Suitable for high deviation
- > Field replaceable rupture disc

### SPECIFICATIONS

Operational Temperature Range	350°F [177°C]
Max O.D	5.5" [139.7mm]
Max I.D	2.25" [57mm]
Length	7.56ft [2.3m]
Operational Cycles	Single Shot
<b>Pressure Rating</b>	
Maximum Absolute External Pressure	22,000 psi [152 MPa]
Maximum Absolute Internal Pressure	22,000 psi [152 MPa]
Maximum Differential Pressure	18,500 psi [128 MPa]
Maximum Working External Pressure	18,500 psi [128 MPa]
Maximum Working Internal Pressure	18,500 psi [128 MPa]
Maximum Differential Across Flap	15,000 psi [103 MPa]
Min. Hydrostatic Required	1,200 psi [8.3 MPa]
<b>Load Ratings</b>	
Tensile Rating	493,500 lbf [2,195 kN]
Compression Rating	493,500 lbf [2,195 kN]
Service NACE MR-0175	H2S, acid
Connection Type	3.5" 15.8# PH6

\*Limited by lowest pressure rating of Metrol rupture disc. Can be lower upon request.

