



Insta-Set Valve® Option – Multi Set Inflatable Straddle Packer System

PRODUCT DESCRIPTION:

The Insta-Set Valve® is a setting mechanism option for TAM's PosiFrac Straddle System, designed primarily for sand frac applications. The Insta-Set Valve can also be used with a Fluid Control Valve for acid frac and matrix acid stimulation applications, as well as many other multi-set inflatable packer applications. The design consists of a dual-purpose rotatable ball-valve that can be utilized to divert and isolate fluid within an inflatable element and provide an unrestricted flow area for hydraulic stimulation fluids. The cycling between the two operational positions is achieved with only vertical manipulation of the work-string, adding several benefits over other multi-set mechanisms.

PROVIDE SOLUTIONS FOR:

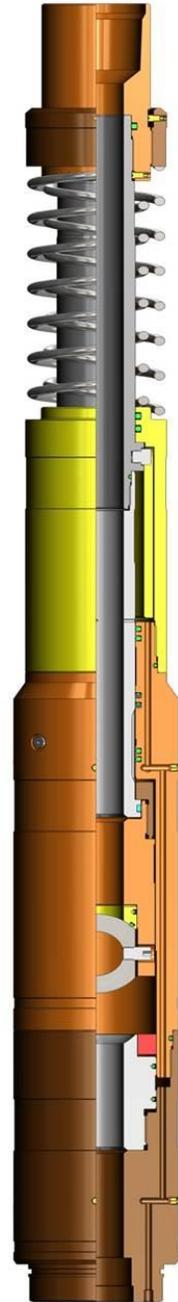
- Multi-Set Formation Stimulation; Acidizing or Hydraulic Fracturing
- Multi-Set Formation Evaluation for Diagnostic Fracture Injection Test (DFIT) / Mini-Frac Analysis

FEATURES:

- Rotational ball-valve setting mechanism
- Reciprocation is used for setting head manipulation, no torque required
- Multiple sets/multiple stages within one trip
- Full 1.75" I.D. providing large flow area for higher pump rates and sand-laden stimulation fluids
- Erosion resistant, nitro-carburized internal bore

BENEFITS:

- Eliminates the time required to drop multiple setting balls from surface to ball seat which allows for a more efficient stimulation application or testing operation
- Conserves water resources for a minimized environmental footprint
- Provides precise stimulation placement while eliminating the need to bullhead additional fluid into the formation
- Consolidates the treatment of several zones in one trip



TOOL SIZES:

Nominal Tool OD in. (mm)	Bore ID in. (mm)	Length in. (mm)	Collapse psi
5.25 (133.4)	1.75 (44.5)	51.30 (1303.0)	10,000