

K-Frac Bi-Directional Hydraulic Shifting Tool

OVERVIEW

The K-Frac Bi-Directional Hydraulic Shifting Tool is able to open or close any number of valves in a single trip. It works with threaded or coiled tubing and is compatible with or without jars or bumper subs. The tool is easy to locate with Logan Kline Tools' Mechanical Collar Locator.

Shifts Valves Open or Closed

The K-Frac Bi-Directional Shifting Tool is used to shift the internal piston sleeve of the K-Frac Retriev-a-Seat (RAS) Valve to either the open or close position. Individual or multiple valves can be repeatedly opened or closed in a single trip. The K-Frac Bi-Directional Shifting Tool works with threaded or coiled tubing. When used in conjunction with the Logan Kline Tools' Mechanical Collar Locator, the need for complicated spaceout calculations is eliminated.

Flow Actuated

The K-Frac Bi-Directional Shifting Tool is a flow-actuated tool that can be cycled repeatedly downhole without affecting the reservoir characteristics and with activation pressures less than the frac gradient.

Self Draining

The K-Frac Bi-Directional Shifting Tool is designed to fail safe with the slips in the retracted position. However, should there be the need, there is a secondary release mechanism. To activate the secondary release mechanism, a ball is pumped down to an internal seat, pressure is applied to the string bursting a rupture disk. This will release any internal pressure that could be trapped in the tool and retract the slip mechanism.

Design and Manufacturing Standards

The K-Frac Bi-Directional Hydraulic Shifting Tool and K-Frac Fracturing Isolation System components are designed and manufactured to API Q1 standards at our certified manufacturing facility.

