Flash Point™ - Thermal Liner Top Packer

Our Flash Point™ - Thermal Liner Top Packer facilitates successful liner deployment in vertical and extended reach horizontal wellbores. Hydraulically set with a fully constrained running tool (HRC Running Tool) allows rotation, resulting in greater control over liner installation and eliminating excessive work string manipulation during installation.

Capable of both conventional and thermal wellbore utilization, the Flash Point - Thermal Liner Top Packer is fully functional up to 315° C (600° F). The Flash Point has been tested and proven to maintain seal integrity at 315° C (600° F) with over 24.1 MPa (3,500 psi) of differential pressure across the element.

Features

- Hydraulic set packer element
- Hydraulic release running tool
- Dart operated with ball-drop backup for packer deployment
- High temperature design withstands up to 315° C (600° F)
- Drains work-string after packer has been set
- Secondary mechanical release of running tool

Benefits

- High temperature steam liner top isolation for injection or production wells
- Allows for thermal temperature cycles along with ambient pressure test upon installation
- Deployable on rotating liner systems for short radius wells
- Hydraulic setting tool ensures proper packer setting regardless of well depth or inclination
- May be tied back with our seal nipple assembly

Applications

- Steam Assisted Gravity Drainage (SAGD) injector and producer wells
- Cyclic Steam (Huff and Puff) wells
- High temperature oil production

Technical Data

Flash Point TLT Packer in. (mm)	Packer OD in. (mm)	Packer ID[1] in. (mm)	Packer length[2] in. (mm)	Burst psi (MPa)	Collapse psi (MPa)	Tensile lbf (daN)	Diff. pressure[3] psi (MPa)	Material	Temp. °F (°C)	Threads
7.000 x 9.625 (177.80 x 244.48)	8.375 (212.73)	6.241 (158.52)	111.19 (2824.23)	7,000 (48.3)	7,000 (48.3)	325,000 (144,570)	3,500 (24.1)	L80	600 (315)	As requested

[1] Drift ID shown, actual ID may vary due to casing variability
[2] Length may vary due to end connections
[3] Tested at 600° F (315° C)