

Innovus Frac Sleeve System

Enables selective, multistage access for pinpoint stimulation and long-term, stage-by-stage wellbore management

Applications

- Cemented multistage completions with stage-by-stage wellbore management
- Openhole multistage completions requiring selectively operated stimulation sleeves
- High-rate, high-proppant stimulations requiring erosion-resistant frac-port components and premium reclosing seals
- Water-injection completions requiring post-fracturing or post-production conversion to regulated injection (SD Convertible sleeves only)
- Unconventional out-of-sequence fracturing operations

Features and Benefits

- Eliminates pumpdown plugs, balls, and drillouts to reduce completion steps and intervention requirements
- Provides multicycle sleeve functionality to enable stage-by-stage production management
- Uses erosion-resistant frac-port components and premium reclosing seals to support dependable operation during intensive stimulation
- Supports stimulation rates up to 80 bbl/min (12.7 m³/min) to accommodate high-rate fracturing programs
- Uses an optional shift-frac-close sequence to stop proppant flowback and enable controlled reopening for production
- Uses a calibrated tortuous flow path to regulate water injection without small-diameter orifices susceptible to erosion and plugging (SD Convertible sleeves only)

Tool Description

The Innovus™ frac sleeve system includes the SD sleeve for economical stimulation programs with lower rates and proppant volumes, the HD sleeve for high-intensity treatments requiring erosion-resistant components and enhanced sealing performance, and the SD Convertible sleeve for applications that may require conversion from fracturing to regulated water injection. Together, these mechanically operated sleeves enable selective reservoir access without plugs, balls, or drillouts while supporting stage-by-stage stimulation, production, and reservoir management throughout the life of the well.



Innovus Frac Sleeve System

Specifications

Sleeve type	SD	HD		SD Convertible
Casing size	4.50 in [114.30 mm]	4.50 in [114.30 mm]	5.50 in [139.70 mm]	4.50 in [114.30 mm]
Casing weight	11.60 lbm/ft [17.26 kgm/m]	11.60 lbm/ft [17.26 kgm/m]	17.00 lbm/ft [25.30 kgm/m]	11.60 lbm/ft [17.26 kgm/m]
		13.50 lbm/ft [20.09 kgm/m]	20.00 lbm/ft [29.76 kgm/m]	
		15.10 lbm/ft [22.47 kgm/m]		
Casing grade	L80	L80, P110, or custom	L80, P110, or custom	L80
Connections	LTC, BTC, or custom	LTC, BTC, or custom	LTC, BTC, or custom	LTC, BTC, or custom
Overall length*	33 in [850 mm]	40 in [1010 mm]	43 in [1080 mm]	40 in [1010 mm]
Makeup length*	30 in [770 mm]	37 in [930 mm]	40 in [1010 mm]	36 in [930 mm]
OD	5.50 in [139.70 mm]	5.50 in [139.70 mm]	7.00 in [177.80 mm]	5.50 in [139.70 mm]
ID	> drift	> drift	> drift	> drift

* Dimensions are approximate and vary depending on casing weight and/or thread type. For exact values, contact sales for details specific to your requirements..

