

VIBE SCOUT®

FRICITION REDUCTION TOOL



Vibe Scout® from Scout Drilling Technologies is a reliable and effective continuous pulsation axial oscillation Friction Reduction Tool (FRT) that transmits energy throughout the entire length of the drill string and BHA. The Vibe Scout creates axial oscillations via pressure pulses from a radially balanced control valve which delivers a consistent pulsing frequency. In conjunction, an oscillation module (Amplifier) converts the hydraulic pressure pulses into mechanical energy. The Amplifier has been designed specifically for FRT applications, offering superior sealing integrity and reliability, in addition to providing considerably larger output forces than that of conventional "Shock Subs."

Unlike other friction reduction tools, the Vibe Scout incorporates a field adjustable feature that enables tools to be reconfigured on location in the event of parameter changes or pressure drop adjustments. Furthermore, every Vibe Scout is flow tested before deployment, ensuring every tool operates at its maximum potential.

FEATURES

Axial oscillation
Customized amplifier designed specifically for FRT applications
Ability to accommodate high flow rates
Ability to adjust pressure drop at rig site
Stable pulse profile at controlled frequency
Reliable and robust sealing system
* Can be embedded with CuBIC® sensors from Sanvean Technologies to record drilling dynamics data

* **CuBIC® is a new generation compact drilling dynamics data recorder designed to be embedded into existing drilling tools at any point within the BHA. It provides shock, vibration, rotation, and temperature measurements**



for drilling dynamics analysis, failure identification, and condition-based monitoring.

VIBESCOUT®

WHY CHOOSE VIBE SCOUT?

Axial oscillation maximizes friction reduction throughout the wellbore
All tools are flow tested prior to each deployment
Consistent and reliable performance through optimized pressure drop
Compatibility with MWD systems
Improved drilling performance, weight transfer, tool-face control, and enhanced bit life
Only one tool usually required - dual systems can be run if desired
Complete system designed, manufactured, and serviced in-house

Vibe Scout is also offered in the following configurations:

- **VIBESCOUT® EP** - Continuous pulsation with enhanced pulse, enhanced pressure, and superior energy output
- **VibeScout® BD** - Ball drop activated system

Over 23 Million Feet Drilled, Over 6700 Runs



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FRICTION REDUCTION TOOL



Vibe Scout System - Specifications			
Tool O.D.	4.875" (124 mm)	5.25" (133 mm)	6.50" (165 mm)
Hole Size	5-7/8" - 6-3/4" (149 mm - 171 mm)	6-1/4" - 6 3/4" (158 mm - 171 mm)	7-7/8" - 8-3/4" (200 mm - 222 mm)
Flow Rate	150 - 400 GPM (568 L - 1514 L)	150 - 400 GPM (568 L - 1514 L)	400 - 750 GPM (1514 L - 2839 L)
Standard Frequency	4 - 11 Hz	4 - 11 Hz	5 - 9 Hz
Hi-Frequency	N/A	N/A	7.5 - 12 Hz
Optimal Pressure Drop	550 PSI	550 PSI	550 PSI
Temperature (STD)	320° F (160° C)	320° F (160° C)	320° F (160° C)
Temperature (Hi-Temp)	* 350° F (176° C)	* 350° F (176° C)	* 350° F (176° C)
Connection Options	3-1/2" IF XT39 DS38	4" FH XT39 DS40 DS42 Delta 425 CET43 DS38	4-1/2" IF (NC50) 4-1/2" XH DS50
Length	24.8' (7.56 m)	24.8' (7.56 m)	26.75' (8.15 m)
Weight	1,150 lbs (522 kg)	1,240 lbs (562 kg)	2,075 lbs (941 kg)
* Application Specific			



Shown with CuBIC

