DRILL. DEPLOY

FRICTION REDUCTION TOOL

FASTER. FARTHER. SMARTER.

InFocus ENERGY SERVICES INC.

INNOVATION

2.125" and 2.875"

The NEW Friction Reduction Tool is based on InFocus' highly successful AMP: All Metal Power section technology. Like the AMP, the Friction Reduction Tool is all-metal construction - with absolutely no elastomer present.

It is designed with double-shouldered connections throughout, and will operate in temperatures up to 456°F. Currently available in 2-1/8" and 2-7/8" sizes, the Friction Reduction Tool operates at a frequency of 4 - 12 Hz.

Specifications		
Overall Length	62.81 in (1595 mm)	
Standard Diameters Available	**2.125 in** (54 mm)	**2.875 in** (73 mm)
Top Connection	1 1/2 REG (AMMT)	2 3/8 PAC (NC 16)
Bottom Connection	1 1/2 REG (AMMT)	2 3/8 PAC (NC 16)
Temperature	456°F (236°C)	
Flow Rate - Gallons per Minute	40 - 160 GPM	80 - 231 GPM
Flow Rate - Liters per Minute	151 - 606 LPM	303 - 874 LPM
Flow Rate - Barrels per Minute	0.95 - 3.8 bbl/min	1.9 - 5.5 bbl/min
Frequency	4 - 12 Hz	

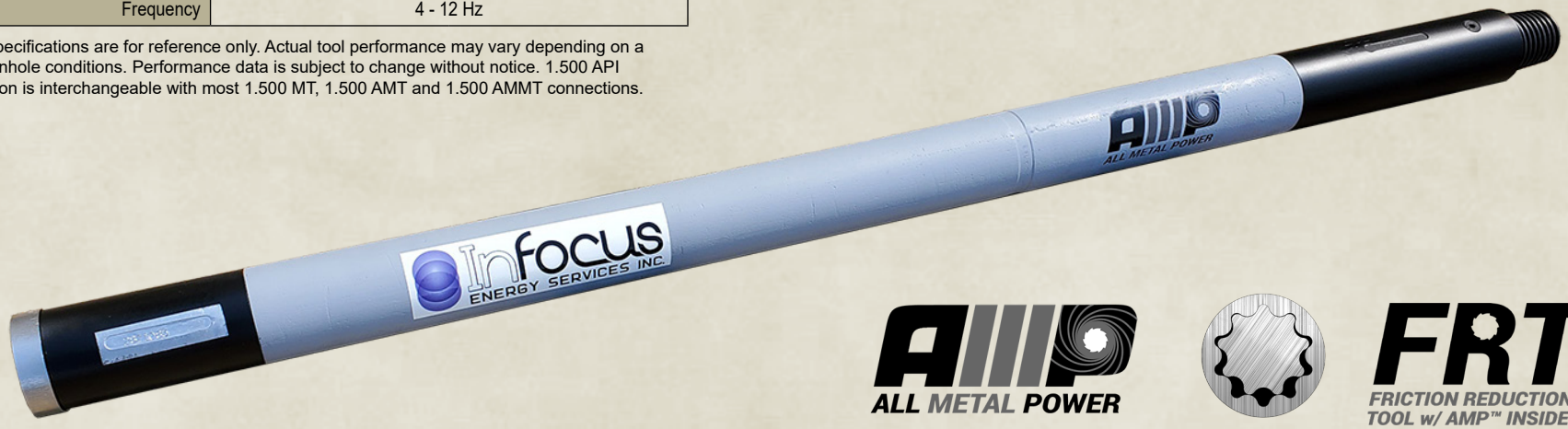
Operational specifications are for reference only. Actual tool performance may vary depending on a variety of downhole conditions. Performance data is subject to change without notice. 1.500 API REG connection is interchangeable with most 1.500 MT, 1.500 AMT and 1.500 AMMT connections.

FEATURES

- Robust all-metal design with no elastomer
- Double shouldered connections with metal-to-metal seals
- Temperature compatible to 456°F
- Pressure drop can be calibrated to customer-specific requirements.

Ideal:

- Any application where friction reduction is needed for a smoother operation
- Reduction of helical buckling and assists with optimizing WOB
- Compatible with all BHA's in drill strings and workover strings including coiled tubing
- In wells with multi-phase flow (N2)
- For spotting acid or xylene during multi-step clean outs
- In HP/HT wells
- In all Geothermal applications
- With High Chloride produced water
- With Produced water with hydrocarbon present (condensate)
- With H2S present in the wellbore



AMP ALL METAL POWER

FRT™ FRICTION REDUCTION TOOL w/ AMP™ INSIDE

Check back to our website periodically, and follow us on social media.

Simple. Innovative.

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