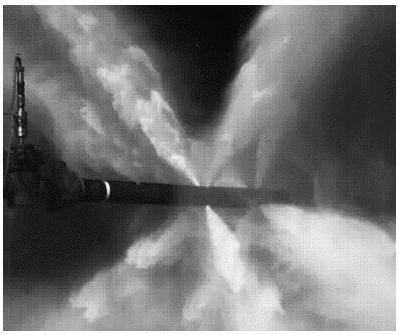
Pulsonix® TFA Bypass

Selective Fluidic Oscillator Tool

The Pulsonix TFA (Tuned Frequency and Amplitude) Bypass is a variant of the field-proven Pulsonix® TFA tool. Designed to be run above a lower tool assembly, allowing the operator to pump fluid to a tool below the fluidic oscillator assembly without any flow exiting through the upper ports. When desired to activate the tool, the bypass sleeve may be opened, diverting flow to the Pulsonix TFA tool for treatment fluid placement. This tool eliminates the need to trip out and back in the hole between the two operations



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The Pulsonix TFA Bypass system is robust enough to be used in milling or drilling operations. The tool is ideal for combining multiple operations into a single run in hole, as there is no rate loss to the lower assembly with the sleeve closed. Once opened, the treatment fluid is entirely diverted through the Pulsonix TFA assembly, preventing any contact with lower tool components, such as a stator assembly, to avoid potential damage from fluid incompatibilities.

APPLICATIONS

- Removing deposits from the near-wellbore region, perforations, and screens
- Tubular cleanout of light scales and organics
- Enhancing the placement and effectiveness of treatment fluids
- Stimulating high-permeability formations
- Pre-conditioning the formation to improve the effectiveness of subsequent chemical or stimulation treatments
- Optimizing injection profiles

BENEFITS

- Eliminates a trip out/in to change over to treatment fluid placement
- Generous ½” ID results in only a 1,000 psi pressure drop at 4 ½ bpm when closed
- Segregates flow paths to isolate sections of the tool assembly
- Compatible with any non-abrasive fluid
- Robust design enables compatibility with torque transmitting tools

FEATURES

- Inner sleeve assembly to direct flow
- Modified Pulsonix TFA insert
- 4 oscillator flow ports for comprehensive coverage of the wellbore

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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