

UNLOCK THE POTENTIAL OF YOUR DRILLING OPERATIONS

Unlocking the full potential of your drilling operations relies on two abilities: adjusting operations for unanticipated challenges and completing the job in as few trips as possible. With three positions, multiple applications, and dynamic activation options, the JetStream RFID circulation sub gives you the power to achieve maximum drilling efficiency and operational flexibility.

Unlike most circulation subs on the market, the JetStream sub uses RFID—short for radio-frequency identification—technology. In this way, the sub eliminates bulky balls, seats, darts, and pins for actuation and leaves the inside diameter (ID) at full bore for one of the largest port flow areas in the industry. The result is higher annular velocity and turbulent flow. The sub also saves time by enabling selective, unlimited activation of a series of subs without the need to pull out of hole. Finally, because the sub does not rely on downhole hydraulics for actuation, it is effective in a variety of applications, including low-flow and underbalanced drilling operations.

1 TOOL WITH UNLIMITED ACTIVATIONS

CLEAN WELLBORES, SPOT REMEDIATION FLUIDS, AND JET BOPS IN 1 TRIP

3 COMMANDS: CLOSED, OPEN, OR SPLIT-FLOW

The JetStream RFID circulation sub **MOVES BEYOND OPEN AND SHUT**

The JetStream Difference



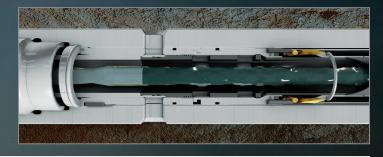




CLOSED POSITION

Ports closed, diverter open

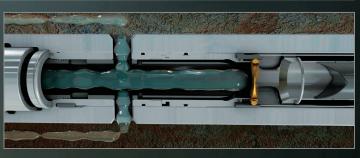
Enables unrestricted, full through-bore flow during drilling



OPEN POSITION

Ports open, diverter closed

Redirects fluids back to the surface with high-velocity, turbulent annular flow for efficient wellbore cleaning



SPLIT-FLOW POSITION

Ports open, diverter open

Simultaneously diverts a customizable percentage of the flow through the wellbore and boosts annular velocity, which enables you to clean out cuttings while drilling





The JetStream RFID circulation sub helps you to do more in less time or in fewer trips. Because the sub eliminates internal components associated with traditional activation, you can use it as many times as needed to execute multiple operations.

PERFORM MULTIPLE OPERATIONS, such as cleaning wellbores, spotting remediation fluids, and jetting blowout preventers (BOPs), on the same trip

SPEED UP HOLE CLEANUP with a full-bore ID for tubular flow and faster debris removal

COMBINE WITH OTHER RFID DRILLING TOOLS, such as the RipTide® reamer, for greater efficiency



IMPROVE FLEXIBILITY

Our JetStream RFID circulation sub helps you adapt to your well challenges. Using three different positions—including closed, open, or split-flow—as well as its full-bore ID, the sub adds to your functionality so you can perform various applications.

RUN UP TO 16 SUBS at once at strategic points along the drillstring

CLEAN WELLBORES AND BOPS at the same time

CIRCULATE OUT DRILL CUTTINGS in drilling-with-liner and low-flow operations

ACCESS OTHER TOOLS in the lower bottomhole assembly



ENHANCE CONTROL

The JetStream sub gives you more downhole control for predictable operations. By using RFID technology, you can have greater command over your subs, activations, and results.

INDIVIDUALIZE COMMUNICATION to tandem JetStream subs

ADJUST THE TOTAL FLOW AREA with numerous nozzle configurations

ENSURE ACTIVATION with a backup pressure cycling sequence

RETRIEVE AND DISPLAY DATA using onboard memory logging

