



HYDRASTART™ STV

SINGLE-START TOE VALVE

ESTABLISH PLUG-AND-PERF INJECTION WITHOUT THE TIME AND COST OF COILED TUBING INTERVENTION

The HydraStart Single-Start Toe Valve (STV) improves the efficiency and reduces the cost of plug-and-perf completions by providing:

- INITIAL INJECTION WITHOUT COILED TUBING INTERVENTION
- HIGHER CIRCULATION RATES IN FIRST STAGE FRACTURING
- IMPROVED CEMENTING EFFICIENCY
- ELIMINATION OF LEAK PATHS

The toe valve establishes wellbore injection immediately after the casing integrity test, without the use of coiled tubing. First stage fracturing is expedited and the flow path for circulation of plugs and guns into the well is quickly established without the time and cost of intervention.

The valve is opened solely with applied hydraulic pressure, or preset to open at a specific point based on hydrostatic pressure. An integral ball seat allows injection at a lower pressure prior to the casing test to support DFIT analysis.

With one the industry's largest IDs, the HydraStart STV provides a high rate flow path and circulation to enhance:

- INITIAL INJECTION
- CASING CLEAN UP
- FIRST STAGE FRACTURING
- PRODUCTION

ELIMINATING THE COILED TUBING STARTS THE COMPLETION FASTER AND MORE EFFICIENTLY

The large ID also accommodates many industry-standard cement plugs to ensure wiping that improves cementing operations and reduces overall completion costs.

The HydraStart STV's simple design eliminates leak paths that are often found in more complex toe valves. With only three major components, the valve ensures isolation and injection performance.

THE HYDRASTART STV IMPROVES THE EFFICIENCY AND REDUCES THE COST OF PLUG-AND-PERF COMPLETIONS BY PROVIDING:

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- HIGHER CIRCULATION RATES IN FIRST STAGE FRACTURING
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SINGLE-START TOE VALVE

MODERN ENGINEERING. CLASSIC SERVICE. THAT'S CHOICE COMPLETION SYSTEMS.

FEATURES AND BENEFITS

Requires no intervention

- SAVES TIME AND MONEY BY ELIMINATING COIL TUBING PERFORATING

Large flow-through ID:

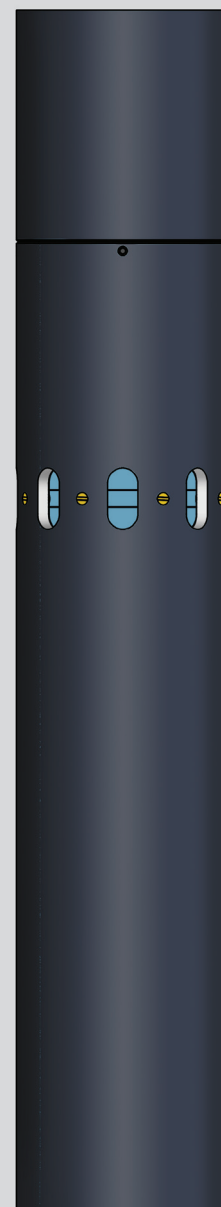
- MAXIMUM INJECTION TO OPTIMIZE CASING CLEAN UP
- OPTIMUM WIPING WITH ANY CEMENT PLUG

Reliable and flexible

- SIMPLE, THREE-PIECE CONSTRUCTION TO ELIMINATE LEAK PATHS
- EASILY INTEGRATED SUBS ARE BLANKED FOR API AND PREMIUM THREADING
- INTEGRAL BALL SEAT OPTION ALLOWS CASING PRESSURE TEST AFTER DFIT OR LIGHT INJECTION

Choice Completion Systems provides high quality completion services and products that are built for the task and there when it counts. In a completion world full of endless options, there really is only one right Choice.

For more information, please contact us at: sales@choicecompletions.com



HYDRASTART STV SINGLE-START TOE VALVE

	4-1/2"	5-1/2"
OD (IN)	5.875	6.875
ID (IN)	3.875	4.500
LENGTH (IN)	37.50	39.00
MAX RUPTURE DISK (PSI)	18,000	18,000
PORT FLOW AREA (IN ²)	9.534	14.283
TENSILE (LB)	375,000	545,000
TORQUE (FT-LB)	25,000	40,000