



HYDRASTART™ MTV

MULTI-START CYCLING TOE VALVE

CASING TEST AND ESTABLISH PLUG-AND-PERF INJECTION WITH A SINGLE TOOL

The HydraStart Mutli-Start Toe Valve (MTV) adds the ability to perform a casing test at the casing's maximum rated test pressure to Choice's popular intervention-free Sure Start toe valve.

The Choice toe valve design used in the HydraStart Mutli-Start Toe Valve (MTV) and HydraStart Single-Start Toe Valve (STV) models helps improve the efficiency and reduce 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 PLUG LEAK PATHS

The valve has a maximum rated pressure of 18,000 psi absolute (surface pressure + hydrostatic) that exceeds most casing test pressures. With standard toe valves, the operating window of the rupture disk used to open the valve reduces the pressure limit of the casing test, which limits the stimulation pressure that is possible. The HydraStart MTV's high-pressure rating allows testing to be conducted to the maximum allowable limit, so the simulation pressure is not compromised.

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.

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

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

The valves can be run in conjunction to achieve a "toe prep" or an initial frac stage. The design allows the valves to open on the down cycle to ensure that all valves open. Only one set up is required for most wellbore conditions, so there is no need for a custom setup.

**ELIMINATING THE
COILED TUBING
STARTS THE
COMPLETION
FASTER AND MORE
EFFICIENTLY**

THE CHOICE TOE VALVE DESIGN USED IN THE HYDRASTART MTV AND HYDRASTART STV MODELS HELPS IMPROVE THE EFFICIENCY AND REDUCE 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 PLUG LEAK PATHS

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HYDRASTART™ MTV

MULTI-START CYCLING 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

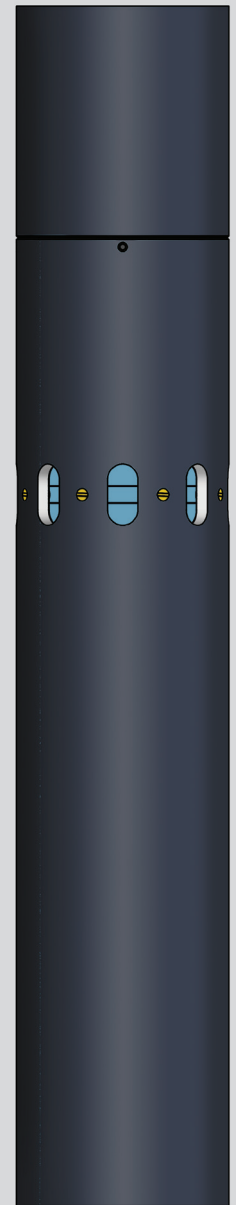
- MAXIMUM INJECTION TO OPTIMIZE CASING CLEAN UP

Reliable and flexible

- 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 MTV MULTI-START TOE VALVE

	5-1/2"	4-1/2"
OD (IN)	6.875	5.875
ID (IN)	4.000	3.280
LENGTH (IN)	57.65	57.65
PORT FLOW AREA (IN ²)	14.304	11.184
TENSILE (LB)	535,000	385,000
TORQUE (FT-LB)	40,000	25,000