

FlowMax Sequence Valve

Enables pumping at high flow rates for more efficient wellbore displacement

Applications

- Underreaming operations
- Motors and impact hammers
- Tubing cutters or other fishing operations
- Applications that require displacement of fluid from the well

Features and Benefits

- Operation without a drop ball saves rig time and eliminates operating costs required for ball-operated circulating subs.
- The easy setup procedure saves time.
- Valve operation is not affected by pressure drop, which eliminates the need to adjust the valve for changing wellbore pressures.
- Multisequence operation enables opening or closing the valve as many times as necessary downhole, thus saving the expense of pulling the valve out of the well to reset it.

Tool Description

The Weatherford FlowMax family of sequence valves provides control of fluid flow by diverting the fluid into the tubing annulus, depending on the rate of fluid flow through the valve. The valve can be preset to close at a specified flow rate by adjusting the strength of the spring inside the valve.

Under normal operating conditions, fluid flows through the valve. When the flow rate increases to the preset spring setting, the valve closes and diverts the flow out through side ports and into the annulus.

Specifications

Tool OD	Makeup Length	Yield Load	Ultimate Tensile Rating
2.875 in. (73.03 mm)	27.70 in. (703.60 mm)	98,300 lb (437 kN)	111,700 lb (497 kN)
2.125 in. (53.98 mm)	25.89 in. (657.6 mm)	77,700 lb (346 kN)	90,000 lb (400 kN)



The FlowMax sequence valve can be opened or closed downhole as many times as necessary.

