FOX™ VALVE

APPLICATION

- CT Milling operations
- Circulation of solids
- Whipstock operations
- Bridge Plug deployment and setting
- Drill Stem Testing
- Acidising and Injection operations

FEATURES

- Flow activated design. No need for drop balls
- Adjustable operating pressure
- Multicycle operation
- Low maintenance design
- Numerous tool configurations and lengths possible
- Easily redressed

ADDITIONAL INFORMATION

- Common sizes are shown, other sizes available on request.
- Tools are manufactured from mild steel as standard. Other materials are available on request.
- Bespoke designs available to suit job specific applications.

The patented WellEnTech FOX™ Valve is a Flow Operated Circulating Sub which enables the operator to change flow from annular flow to tubing flow and vice versa without the need to drop balls or darts. It is a multicycle tool which can be used for numerous downhole applications where switching flow through the tool to annulus is required. The High Flow version enables high flow to either the annulus or tubing without causing the tool to switch. This feature is particularly useful for circulating debris or cuttings up the annulus. The FOX Valve activation flow rate can be adjusted to suit operational requirements, and when in the 'open to tubing' mode, the drill string or CT string can hold static pressure, enabling the tubing to be pressure tested or the application of pressure can be used to set a hydroset Plug or Packer.

TECHNICAL SPECIFICATION

OD (Inches)	Length (Inches)	Connections	Max. Flow Area (Inches²)	Tensile Strength (lbs)	Part No.
1.688	21.25	1"AMMT	0.11	73,100	118-1688-A001
2.125	25.00	1-1/2"AMMT	0.17	95,100	118-2125-A001
2.875	29.50	2-3/8"PAC	0.31	128,000	118-2875-A001
4.750	50.00	NC 38	0.79	156,700	118-4750-A001
6.50	64.50	NC 46	1.47	600,700	118-6500-A001
8.25	72.00	NC 50	2.13	629,300	118-8125-A001

OPERATION

The WellEnTech FOX™ Valve is run as part of a Drill String or Coiled Tubing BHA. Depending on the particular operation, the valve can be deployed either open to annulus or open to tubing. The valve remains in the chosen mode until flow is increased and then choked back or stopped. At which point, the valve will switch to the next position. To adjust the activation pressure, the nozzle can be swapped out for a different sized orifice.