

Full Bore Spinner Mechanical - 1¹¹/₁₆ in.



The Full Bore Spinner Mechanical (FBSM01) combines the flowmeter sensor electronics with a fast response temperature tool or with the 1¹¹/₁₆" CFT (Combined Capacitance, Flow & Temperature) tool.

The flowmeter closes while passing through the completion tubing and other restrictions and opens in the casing or liner allowing the use of optimum diameter impellers that occupy a large cross-sectional area. The FBSM can be used in all casing sizes from 4 1/2" to 9 5/8".

The tool is fitted with an Elgiloy spring, tungsten carbide rollers, and with replaceable bushes.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	1.69 in (43.0 mm)
Length	26.8 in (680 mm)
Weight	6.1 lb (2.8 kg)
Flow Measure point (4.5")	16.3 in (414 mm)

Measurements

Casing range	4.5 – 9.625 in (114.3 - 244.48 mm)
Flow output	10 pulses per revolution
Maximum RPS measured by FLTE01 or CFT004	200 rps = 4,000 ft/min (1219.2 m/min)
Threshold (typical)	<1.6 ft/min (<0.5 m/min)
Range	Better than 500 ft/min in 7" Casing

Hardware Characteristics

Acquisition mode	Real-time (with TCU)	Memory (with MLT)
Combinability	All HD tools (RADii, iQ, PL, RAS, etc.) when connected to CFT	
Materials	Corrosion resistant materials used throughout	