Technical Specification Sheet

Fixed Cage Spinner Mechanical - 1 3/8 in.

The Fixed Cage Spinner Mechanical (FCSM101,102,104) is run in combination with the 1 3/8 inch FLTE (Flow & Temperature Electronics) which combines the flowmeter sensor electronics with a fast response temperature tool or with our 1 3/8 inch CFT (combined Capacitance, Flow & Temperature) tool. The size is selected depending on the minimum restriction in the completion. The impeller assembly is protected minimizing the likelihood of damage in hole.

Ratings & Dimensions

	FCSM101	FCSM102	FCSM104
Max temperature	350°F (177°C)		
Max pressure	10,000 psi (68.9 mPa)		
Cage diameter	1.38 in (35.0 mm)	1.69 in (43.0 mm)	2.125 in (54.0 mm)
Length	6.4 in (163.0 mm)	6.5 in (166.0 mm)	6.902 in (175.0 mm)
Weight	.87 lb (0.4 kg)	.98 lb (0.44 kg)	1.19 lb (.54 kg)
Flow Measure Point	1.3 in (33.0 mm)	1.5 in 39.0 mm)	1.8 in (46.0 mm)
Materials	Corrosion resistant materials used throughout		

Measurements

Output	10 pulses per revolution
Threshold	<5 ft /min (1.5 m /min)
Threshold (5" casing)	128 BPD (20.35 m^3/day)
Max. fluid velocity	3,000 ft/min (916 m/min)

Hardware Characteristics

Combinability	All HD tools (RADii, iQ, PL, RAS, etc.) when connected to FLTE & CFT	
Acquisition Mode	Real-time (with TCU)	Memory (with MLT)

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