

Continuous Flowmeter Jewelled (CFJM)

The Jewelled Bearing Continuous Flowmeter is designed for logging in high fluid velocity wells, such as gas wells. The tool can also be used in sand producing wells. It controls and monitors the ADR tool.

Description

The Jewelled Bearing Continuous Flowmeter is run at the bottom of the production logging string in combination with a Capacitance/Temperature/Flow tool or CFJ Electronics cartridge. The tool has low friction jewelled bearings to reduce the mechanical threshold of the spinner and improve sensitivity to fluid flow. The spinner is an ideal design for use in high velocity wells. Rotation is sensed by zero drag Hall effect sensors, allowing the measurement of flow rate. Normal output is 10 pulses per revolution with directional indication.



Features

- Flow profiling in complex well completions and flow regimes
- Optimised for high fluid velocities
- Rugged spinner housing protects against debris
- Injection monitoring
- Available with closed and ported shroud
- Spinner shroud available in a range of sizes 1 3/8 in., 1 11/16 in. and 2 1/8 in. – other sizes available on request
- Surface readout or memory logging
- Connects to either a Flowmeter Electronics (CFBE) or a Capacitance/Temperature/Flow tool (CTF)

Specifications

Model	1 3/8 in. CTF	1 11/16 in. CTF	1 11/16 in. std
Temperature rating	350°F (177°C)		
Pressure rating	15,000 psi (103.4 MPa)		
Shroud diameter	1 3/8 in. (35 mm)	1 11/16 in. (43 mm)	
	1 11/16 in. (43 mm)	2 1/8 in. (54 mm)	
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Minimum restriction	Shroud OD+ 1/8 in. (+3 mm)		
Tool length**	9 in. (229 mm)		
Tool weight**	2.2 lb (1.0 kg)		
Sensor measure point	2 in. (51 mm)		
Output	10 pulses/rev (directional)		
Maximum fluid velocity**	>4,000 ft/min (20.3 m/s)		
Materials	Corrosion resistant throughout		

**Depends on CFJM Model.