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## TECHNICAL DATA SHEET

# CFJM

## Continuous Flowmeter Jewelled

The Jewelled Bearing Continuous Flowmeter (CFJM) provides high resolution, ultra-low friction, flow measurement. The jewel bearing configuration is specially designed for logging in high fluid velocity wells, such as gas wells, and sand producing wells.

The Jewelled Bearing Continuous Flowmeter is run at the bottom of the production logging string in combination with a Capacitance/Temperature/Flow (CTF) tool.

The tool has low friction jewelled bearings to reduce the mechanical threshold of the spinner and improve sensitivity to fluid flow. Rotation is sensed by zero drag Hall effect sensors.

The spinner is an ideal design for use in high velocity gas wells and sand producing wells.

### APPLICATIONS:

- Flow profiling in complex well completions and complex flow regimes
- High fluid velocities - particularly gas wells.
- Sand producing wells and where debris is present
- Low flow rate wells

### BENEFITS

- Accurate flow determination from high resolution measurements
- Excellent high velocity performance for accurate production evaluation in high flow rate wells
- Ultra-low start-up friction and inertial mass enabling resolution of small flow changes
- Ruggedised design for use in high solids content wells
- Deployable on Slickline, Electric line, Coil Tubing or Tractor
- Suitable for all well deviations, including horizontal

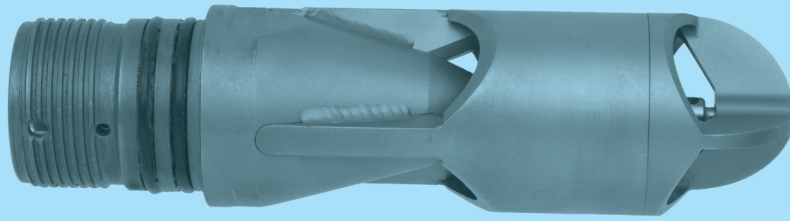


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## Specifications

<b>Temperature rating</b>	350°F (177°C)
<b>Pressure rating</b>	15,000 psi (103.4 MPa)
<b>Shroud diameter</b>	2 <sup>1</sup> / <sub>8</sub> in (54 mm)
<b>Tool length</b>	9 in (229 mm)
<b>Tool weight</b>	2.2 lb (1.0 kg)
<b>Spinner threshold</b>	Water: 4 ft/min (0.020 m/s) Light Oil: 4 ft/min (0.020 m/s) Heavy Oil: 6 ft/min (0.030 m/s) Gas: 9 ft/min (0.045 m/s)
<b>Maximum fluid velocity</b>	4,000 ft/min (20.3 m/s)
<b>Materials</b>	Corrosion resistant throughout