

## PRODUCT INFORMATION:



### DESCRIPTION

The BFF is a short, bowspring fullbore flowmeter designed for use with Owen Instrumentation's Production Logging Tools. The 5 arm bow spring cage of the flowmeter also provides sufficient centralisation force to eliminate the requirement for a lower centraliser when deployed with a typical production logging string.

The BFF is supplied as standard with Owen Instrumentation's MonoPin Bus technology, which is compatible with the low-cost Pocket Production Logging (PPL) suite and has the simplicity of plug 'n' play operation. The bowspring cage can be quickly swapped for either a smaller cage suitable for tubulars down to 3 5/8" casing (BFM-A) or a fixed cage section (FCG-C, D or E).

### PRODUCT FEATURES:

- > All Owen Instrumentation production logging tools are manufactured in NACE specification (MR 0175) materials for use in wells containing H<sub>2</sub>S/CO<sub>2</sub>.
- > Simple Plug "n" Play Operation.
- > Bowspring Cage can be easily changed for differing tubing diameters.

### PRODUCT APPLICATIONS:

- > Flow rate measurement in low to medium flow wells Specifications.

### SPECIFICATIONS COMMON:

TEMPERATURE (MAX)	177C / 350F
FISHING STRENGTH (S/F: 1.2)	20,000 lbs / 9,1000 kgs
RESOLUTION (FLOWMETER)	10 Pulses / Rev (Directional)

### SPECIFICATIONS:

	BFF-B	BFF-M
PART NUMBER	106-99010	106-99024
LENGTH (MAKEUP)	27.8 in / 706 mm	27.8 in / 706 mm
LENGTH (SHIPPING)	28.5 in / 724 mm	28.5 in / 724 mm
DIAMETER	1 3/8"	1 11/16"
PRESSURE (MAX)	20kpsi	20kpsi
WEIGHT IN AIR	9 lbs / 4.1 Kg	12.1 lbs / 5.5 Kg
CONNECTIONS	GO-A	GO-A
RANGE (FLOWMETER)	2 - 200 m/min (400 m/min peak)	2 - 200 m/min (400 m/min peak)
MIN OPERATING DIAMETER	3 5/8 in / 92mm	6 in / 150mm
TELEMETRY INTERFACE	Owen Instrumentation MPB	Owen Instrumentation MPB
OPERATING VOLTAGE (NOMINAL)	12 vdc	12 vdc
OPERATING CURRENT (NOMINAL)	13 mA	13 mA