



WEBTEC

WEBTEC PRODUCTS LIMITED

Flow Indicators to suit a variety of applications

Measures Flow, Temperature and Pressure,
ideal for Oil or Water based systems



FI SERIES

BFPA The British Fluid Power Association



Certificate No.8242

Manufacturers of hydraulic components and test equipment
for the Mobile, Industrial and Agricultural industries

High pressure, low cost, no maintenance...

High pressure in-line flow indicators for 3/4" and 1 1/2" pipe sizes

The FI series provides the ideal solution for continuous monitoring or intermittent use commissioning and servicing hydraulic systems for pressures up to 420 bar (6000 psi). They can be used on mobile and industrial hydraulic circuits and also on lubrication and coolant systems using oil or water-oil emulsions. The direct acting FI series can be installed in hazardous areas or on applications where no electrical power is available. The flow indicator design ensures good reliability and minimises the effects of viscosity changes.

The large clear 63 mm diameter dial ensures that quick checks can be made to determine pump performance and setting of flow control valves. The thermometer is angled deep into the block to sense the temperature changes in the fluid passage.

For external protection the readout scales of both thermometer and flow indicator are recessed and shielded behind impact resistant windows. The whole unit is fully sealed and extremely rugged.

Features

- Low cost rugged construction
- Measures Flow, Temperature and Pressure (via separate gauge)
- Max pressures of 420 bar
- Accurate to within 4% FSD
- Large clear easy-to-read dial
- Horizontal or vertical mounting
- Wide operating range
- Pressure gauge port standard
- Complete kits with built-in Loading Valve available



An extreme test of an FI's ruggedness

Quality finish

All models have a quality brushed finish to enhance the appearance of your completed installation. Each component is manufactured to ISO 9001 using CNC machines.

Multiple fluid types

The FI Series is available in aluminium calibrated for use with Oil. Also available in brass for use with Oil and Water.

Mounting holes

All models have holes for mounting on a control panel or in-line. Mount in any position, horizontally, vertically or anywhere in between. One more example of how careful design makes your job easier.

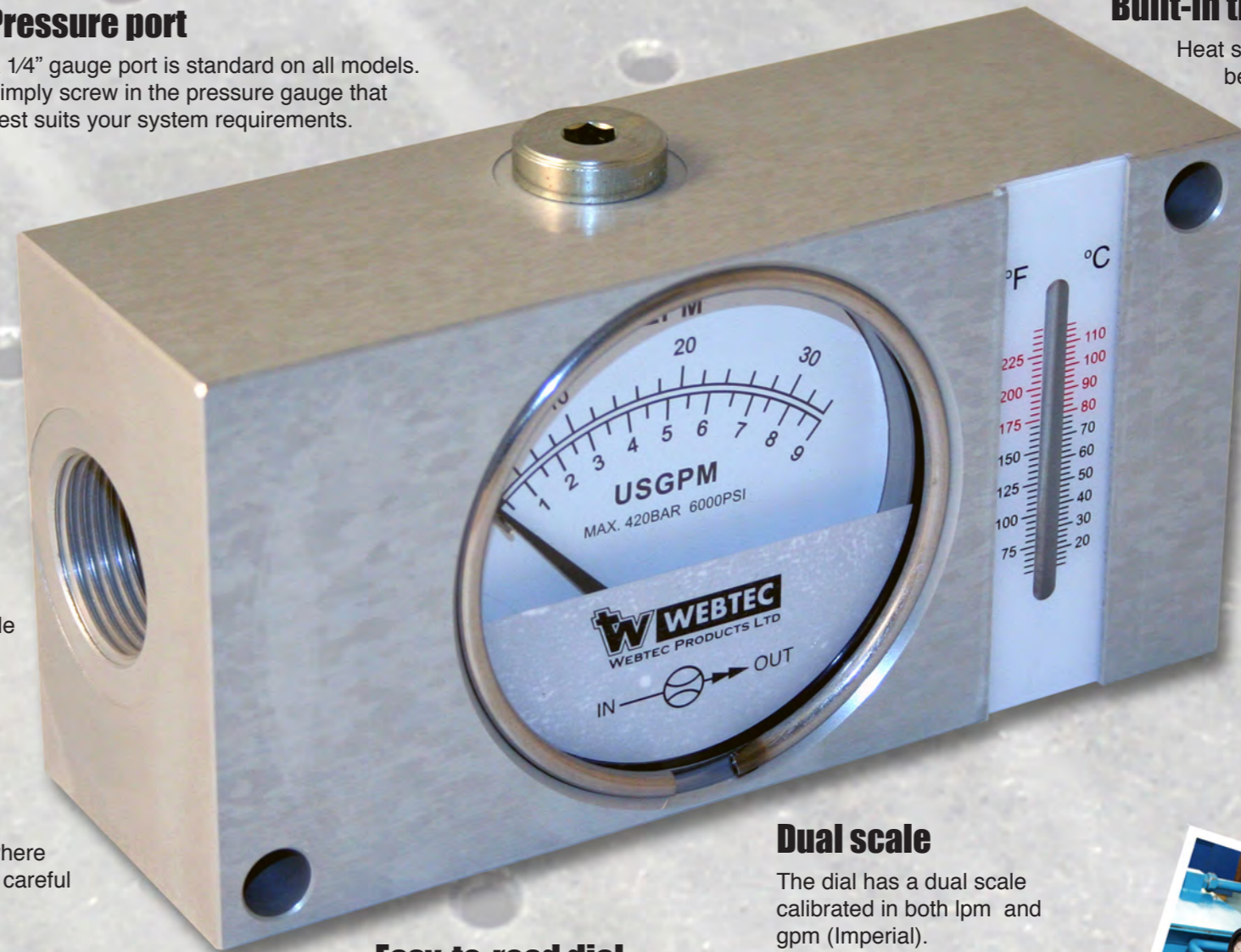


FI 1500 Brass model suitable for use with Oil and Water

The FI series of mechanical flow indicators require no batteries or external power. Their simple compact design allows simultaneous measurement of all three basic parameters: flow, pressure and temperature.

Pressure port

A 1/4" gauge port is standard on all models. Simply screw in the pressure gauge that best suits your system requirements.



Built-in thermometer

Heat stressed hydraulic fluids can be a major factor in component failure. The option of a built-in thermometer gives advanced warning of poor system performance. The thermometer, calibrated for both °C and °F, is a carefully designed and integrated part of a high quality unit, not a bolted-on afterthought.

Accurate & repeatable

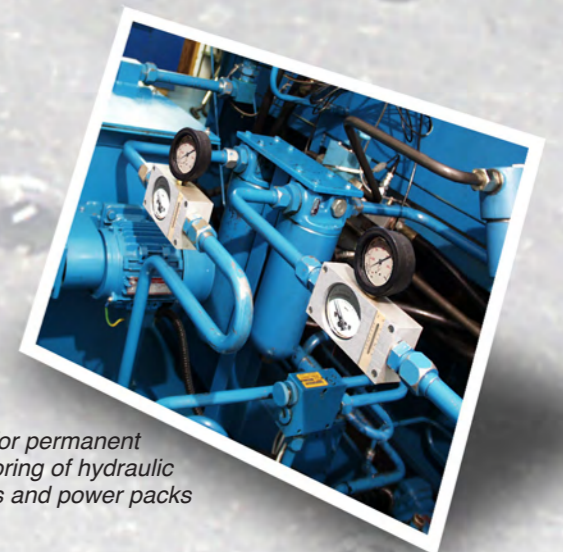
All units are individually checked on test stands traceable to British and International standards and display flow accurate to better than 4% FSD.

Dual scale

The dial has a dual scale calibrated in both lpm and gpm (Imperial).

Easy-to-read dial

The large 63 mm dial display is easily readable at a distance; no more straining your eyes for accurate readings.



Ideal for permanent monitoring of hydraulic pumps and power packs

...for mobile and industrial applications

Product Selector

Maximum Operating Pressure?

Up to 240 bar

**WP Series, Measures flow.
See WP brochure**



Up to 420 bar

**RFIK Series
See RFIK brochure**



**FI Series, measures flow.
(Optional temperature
and pressure)
See FI bulletins**



**FlowHUB - Measure flow,
temperature, digital display,
optional switch, 4 analogue
outputs. See FlowHUB bulletin**



Options and Accessories



Thermometer:

- Temperature scale marked in °C and °F.
- Add 'T' to model number.
Example: FI750-60-ABOT



HV100 Loading Valve:

- "INTERPASS" internal safety disc protection
- Bi-Directional
- 420 bar
- 3 stage precision metering
- 180 lpm max flow



HV400 Loading Valve:

- "INTERPASS" internal safety disc protection
- Bi-Directional
- 420 bar
- Pressure balanced
- 400 lpm max flow



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