



WEBTEC

WEBSTER INSTRUMENTS

Flow Indicators to suit a variety of applications

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



FI SERIES

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

BFPA The British Fluid Power Association



Certificate No.8242

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 6000 psi (420 bar). 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 2 1/2" 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. A 1/4" NPT gauge port is provided for installation of pressure gauge.

For external protection the readout scales of both thermometer and flow indicator are recessed and shielded behind impact resistant polycarbonate windows. A glass window is available for Skydrol applications. 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 6000 psi
- Accurate to within 4% FSD
- Large clear easy-to-read dial
- Horizontal or vertical mounting
- Wide operating range
- 1/4" Pressure gauge port standard
- Flow Test kits with Loading Valve and pressure gauge are available to test flow, pressure and temperature



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.

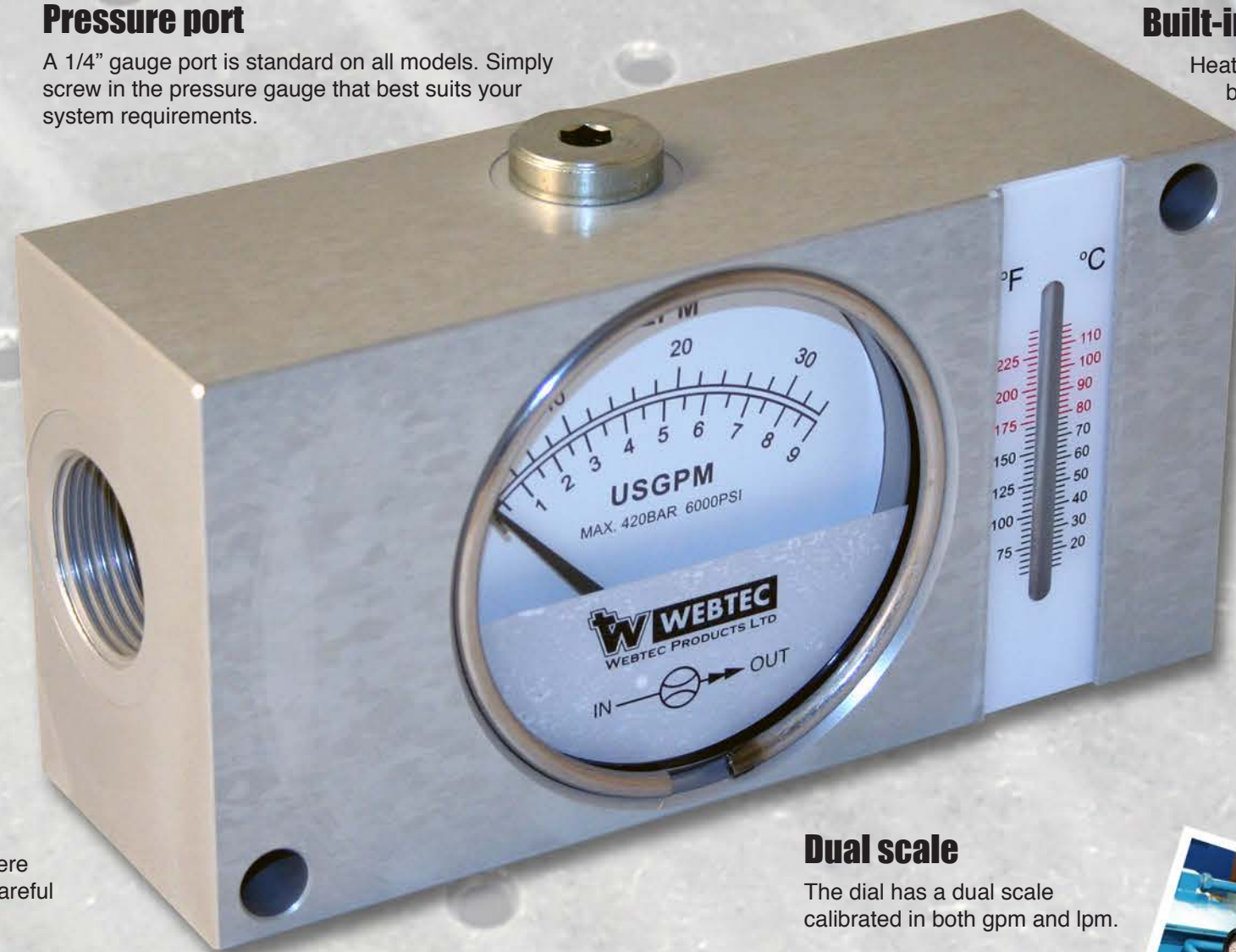


FI 1500 Brass model suitable for use with Oil and Water

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 °F and °C, 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 NIST or International standards and display flow accurate to better than 4% FSD.

Dual scale

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

Easy-to-read dial

The large 2.5" 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 3000 bar

WP Series
Measures Flow. See WP Brochure



Up to 6000 bar

RFIK Series
See RFIK brochure



FI Series
Measure Flow. (Optional Temperature and Pressure)
See FI Bulletin & Table Below



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



Options and Accessories



Flow Switch:

- Single pole, 2 position reed switch for alarms, etc.
- The switch point is field adjustable.
- Add 'S' to model number. Example: FI750-60-ASOS



HV100 Loading Valve:

- "INTERPASS" internal safety disc protection
- Bi-Directional
- 6000 psi
- 3 stage precision metering
- 50 gpm max flow



HV400 Loading Valve:

- "INTERPASS" internal safety disc protection
- Bi-Directional
- 6000 psi
- Pressure balanced
- 100 gpm max flow

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