



**WEBTEC**

**WEBTEC PRODUCTS LIMITED**

**Portable Hydraulic  
Testers to suit a variety  
of applications**



**Another quality product from  
the Webster range**

**FIK Series Pump Testers**

# High pressure, low cost, no mess. . .

## An easy to use range of portable testers for field and workshop testing of hydraulic pumps.

The Webster range of testers have been designed to meet the needs of technicians and engineers in the diagnostic testing of hydraulic systems; they are the result of over 35 years experience in the fluid power industry.

Webster testers can simultaneously read flow, pressure and temperature.

### Unique benefits include:

- Loading valve for quick simulation of machine operating loads.
- Built-in INTERPASS protection against pressure overload.

All Webster testers are individually calibrated on test stands and all calibrations are traceable to National Standards.

Models are available to meet individual testing requirements. Innovative design and attention to detail ensures a technically advanced and high quality product.

### Benefits of Testing.

The Webster hydraulic tester enables you to quickly test the pump to check the cause of poor machine performance. The problem could be internal leakage in the pump or a partly blocked suction strainer.

Measuring only the pressure means you can correctly set each valve and ensure that the machine is not being over-loaded. However, you will need a flow meter to identify the suspect component.

Using a Webster tester you can quickly test a machine to identify a problem, thus eliminating guesswork. After completion of the repair you can easily re-test the machine.

The loading valve allows you to simulate the working conditions while in the workshop, making it far easier to run a test as you don't need to operate all the machine's functions.

**Webster testers reduce down-time and save on labor. . .**

**. . .engineered to make testing of hydraulic machinery fast and convenient.**

A typical application where a Webster tester would save you downtime



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

### Built-in thermometer

Heat stressed hydraulic fluids can be a major factor in component failure. 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.

### Easy-to-read dial

The large 2.5" dial display has a robust, impact resistant plastic window and is fully sealed.

### Dual scale

The dial has a dual US and Metric scale calibrated in GPM and LPM

### Easy Connection

The FIK can be connected "In Line" between the pump and valve for convenient machine testing.

### 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.

### Rugged case

Manufactured in high quality steel and coated in a durable paint finish, the FIK can withstand the most rigorous of use out in the field.

### Analog Pressure Gauge

Our pressure gauges are Glycerine filled for stable and reliable readings with fluctuating pressures. When simulating machine loading, you see not only the pressure but how the pressure is changing.

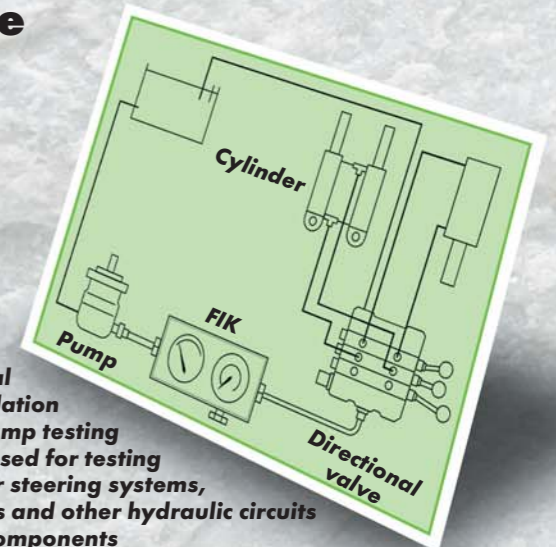
When setting a relief valve, you can easily see the cracking pressure by watching for the sudden reduction in flow.

### Unique "INTERPASS" Protection

Safety discs are built into the load valve. In the event of excess pressure in the hydraulic circuit, the discs rupture and oil is internally bypassed back to the tank, a feature exclusive to Webster Testers. "INTERPASS" protects the environment and most importantly YOU from external oil spillage.

### Loading Valve

A loading valve allows you safely pressurize the hydraulic system without the need to operate all the machine functions. The multi-stage valve design assures low handle effort and precise control over the entire flow and pressure range.

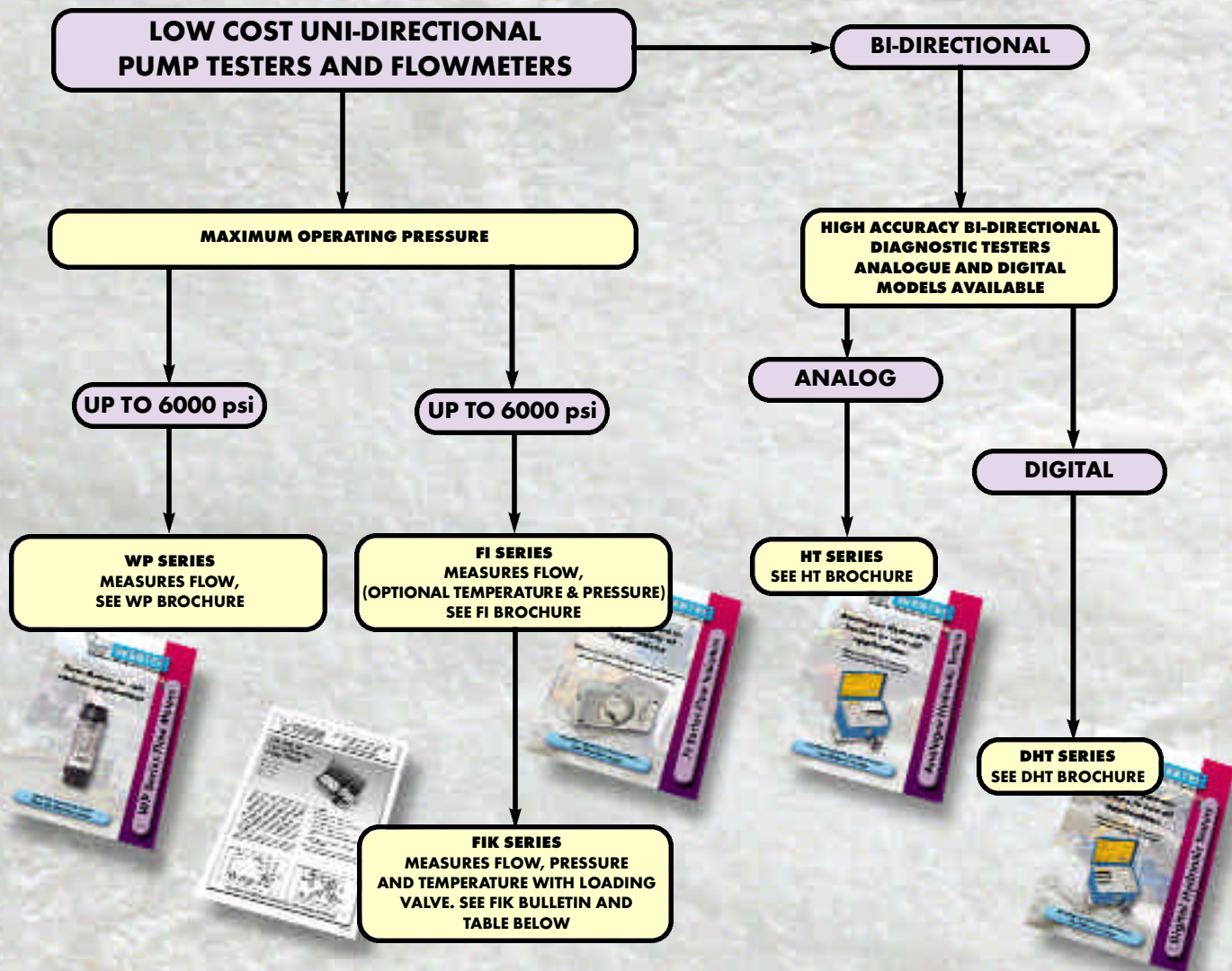


Typical installation for pump testing also used for testing power steering systems, valves and other hydraulic circuits and components

**. . .for mobile and industrial pump testing**

# FIK SERIES PUMP TESTERS

## Product Selector



### Flow and Pressure Ranges

Model Number	Flow range (gpm)	Pressure (psi)
FIK 30 ASOT	0.5 - 8	6000
FIK 60 ASOT	0.5 - 16	6000
FIK 120 ASOT	1 - 32	6000
FIK 180 ASOT	2.5 - 50	6000



#### FIK Pump Testers

- Measures flow, pressure and temperature
- Built-in loading valve with INTERPASS™ protection
- Rugged compact design
- All mechanical, no batteries required

Your Webster Instruments representative:



# WEBTEC

## WEBSTER INSTRUMENTS

1290 East Waterford Ave. Milwaukee, WI 53235 Toll Free

(US & Canada) 1-800-WEBTEST (1-800-932-8378)

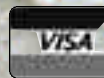
Tel: 414-769-6400 Fax: 414-769-6591

E-mail: sales@webster-inst.com

See us at: [www.webster-inst.com](http://www.webster-inst.com)



Certificate No.8242



Webtec Products reserve the right to make improvements and changes to the specification without notice.