



WEBTEC

WEBSTER INSTRUMENTS
(A DIVISION OF WEBTEC PRODUCTS)

Portable mechanical hydraulic testers for mobile machinery

BFTK SERIES



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

BFPA The British
Fluid Power
Association

nqa.
ISO 9001
Registered

UKAS
QUALITY
MANAGEMENT
015

Certificate No.8242

High pressure, low cost, no mess...

An easy to use range of portable testers for field and workshop testing of hydraulic components & circuits.

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

Hydraulic testers can simultaneously read flow, pressure and temperature.

Unique benefits include:

- Allows flow in the reverse direction
- Loading valve for quick simulation of machine operating loads.
- Built-in INTERPASS protection against pressure overload.

All 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.

Hydraulic testers enable you to quickly test the pump or individual components to check the cause of poor machine performance. The problem could be internal leakage in a pump, motor, directional valve 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 faulty components.

Using a hydraulic tester you can quickly test a machine to identify a problem, eliminating guesswork and reduce downtime & labor. After completion of the repair you can easily verify component & system performance.

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.

RFIK Series hydraulic testers reduce down-time and save on labor...

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

A typical application where a hydraulic tester would save you downtime



The RFIK series of reversible hydraulic 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 2-1/2" (63mm) dial display has a robust, impact resistant plastic window and is fully sealed.



Dual scale

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

Easy Connection

The RFIK 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 British and International standards and display flow accurate to better than 4% FSD.

Reversible Flow

The RFIK will allow full flow to pass through in the reverse direction at low pressure. This can be useful in situations when the flow and direction are uncertain or a cycle requires reversing, via the raising and lowering of a cylinder.

Analog Pressure Gauge

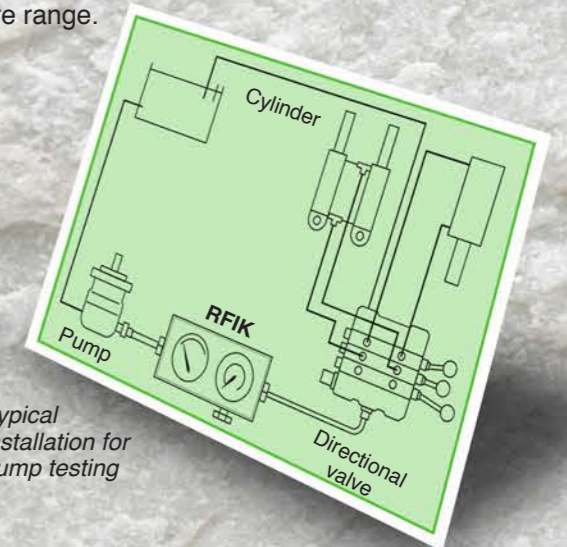
Our pressure gauges are glycerine filled for fast reliable reading on fluctuating pressures. When simulating machine loading, you see not only the pressure but how the pressure is changing. When setting a relief valve, you can easily see the cracking pressure by watching the sudden reduction in flow corresponding to relief pressure overshoot

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 unique to our Testers. "INTERPASS" protects the environment and most importantly YOU from external oil spillage. The case is designed in a way that allows the safety discs to be replaced quickly and easily without dismantling.

Loading Valve

A loading valve allows you to simulate pressure on the hydraulic system without the need to operate all the machine functions in the workshop. The multi-stage valve design assures low handle effort and smooth operation over the entire flow and pressure range.



Typical installation for pump testing

...for mobile and industrial hydraulic testing

Product Selector

Low Cost Uni-Directional / Reversible Pump Testers and Flowmeters

Bi-Directional

Maximum operating pressure

High Accuracy Bi-Directional Diagnostic Testers Analogue and Digital Models Available

Up To 240 Bar

Up To 420 Bar

Analogue

Digital

WP Series measures flow, See WP brochure

FI Series measures flow, (Optional temperature & pressure) See FI brochure

HT Series See HT brochure

DHT Series See DHT/DHM Series



RFIK Series measures flow, pressure and temperature with loading valve. allows reverse flow. See RFIK bulletin

RFIK Hydraulic Testers



See our technical bulletin for full specifications

Flow and Pressure Ranges

Model Number	Calibrated Flow Range (lpm)	(US gpm)
RFIK030-B-6	2 - 30	0.5 - 8
RFIK060-B-6	5 - 60	1 - 16
RFIK120-B-6	10 - 120	4 - 32
RFIK200-B-6	10 - 200	4 - 54
RFIK030-S-6	2 - 30	0.5 - 8
RFIK060-S-6	5 - 60	1 - 16
RFIK120-S-6	10 - 120	4 - 32
RFIK200-S-6	10 - 200	4 - 54



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