



WEBTEC

WEBTEC PRODUCTS LIMITED

Portable mechanical hydraulic testers for mobile machinery

RF1K SERIES



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



Certificate No.8242

High pressure, low cost, no mess...

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

Our RFIK Series of 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 to check the cause of low 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 hydraulic 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.

RFIK Series Hydraulic testers reduce down-time and save on labour...

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



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.

A typical application where a hydraulic tester would save you downtime

Easy-to-read dial

The large 63mm dial display has a robust, impact resistant plastic window and is fully sealed.

Built-in thermometer

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

Analogue 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 for the sudden reduction in flow.

Unique "INTERPASS" Protection

Bi-Directional 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 hydraulic tester from being damaged as well as preventing oil spilling into the environment and onto the operator. 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.

Rugged case

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

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.

Dual scale

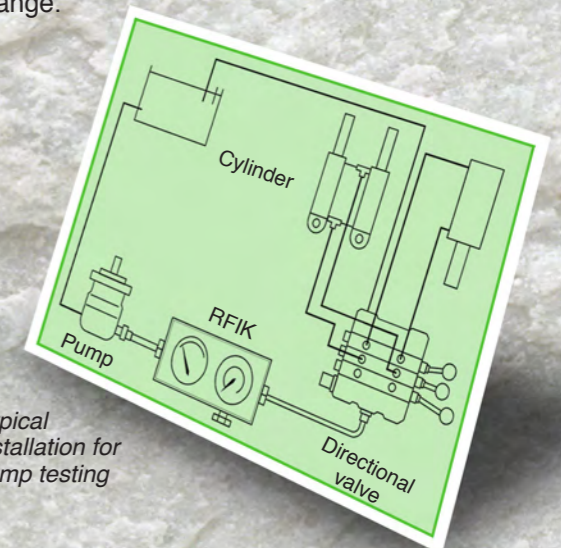
The dial has a dual scale calibrated in both lpm and gpm (US)

Easy Connection

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

Accurate & Repeatable

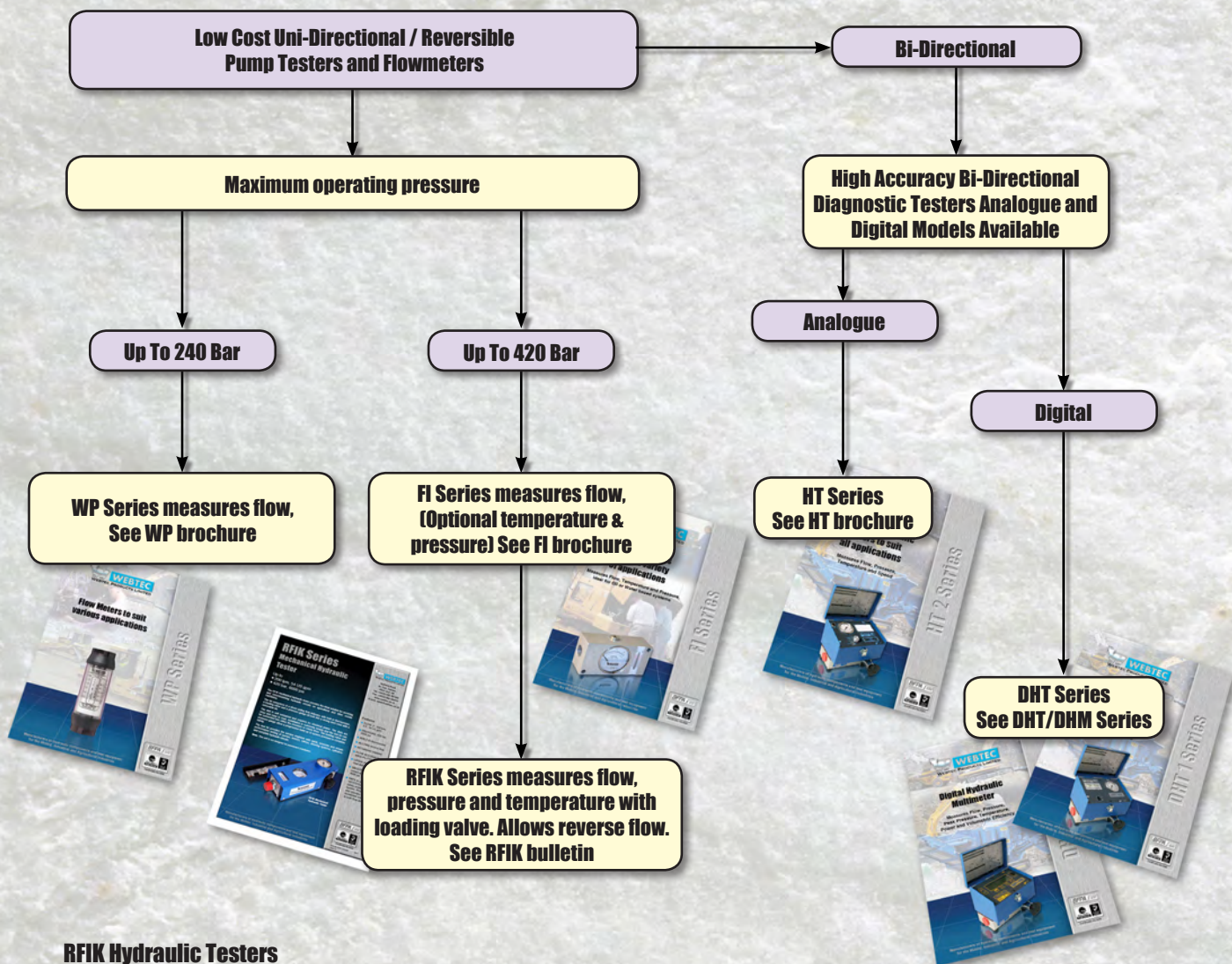
All units are individually checked on test stands traceable to British and International standards and display flow accurate to better than 4% FSD.



Typical installation for pump testing

...for mobile and industrial hydraulic testing

Product Selector



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

Your Webtec Products representative:



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