

Series 180 Manual Directional Control Valve



Applications

- Agricultural / Mobile Equipment
- High Pressure Industrial
- Tool Engagement Positioning
- Sequencing Circuits
- Tailgate Lifts
- Power Packs
- Compactors
- Work Holding

Features

- Pressure loaded seats working against optically flat rotors automatically compensate for valve wear to assure near zero leakage even after more than 500,000 cycles.
- Customer can select from numerous variations including 7 flow patterns, 3 flow ratings, many porting configurations, straight or offset operating handles, spring center and detents.
- Valves may be in-line, panel or manifold mounted.
- High pressure cap available (max pressure 250 bar/3650 psi) enables valve to be used in series without drain.

Fax back



Request your free copy of the new Webtec Hydraulics Catalogue today...

Yes please

I would like to receive e-shots: (e-mail).....



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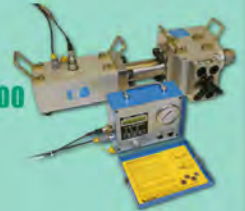
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CT flow meter responds to production bottleneck



Webtec releases new 1500 lpm hydraulic tester



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Company news



Ray Roberts, BFPA president until May this year, retired from Webtec at the end of August, we wish him and his wife well and happy golfing!

We remain focused on improving the quality of the products and services we deliver, and have recently completed our annual ISO9001 QA audit. I'm pleased to say we have once again passed with flying colours and have been recommended for our accreditation to be upgraded to ISO9001: 2008.

Martin Cuthbert - MD



November 25 -29, 2009
Bangalore International Exhibition Centre,
Bangalore, India.

Excon 2009 is the 5th International Construction Equipment and Construction Technology Trade Fair and will be South Asia's largest trade fair on Construction Equipment & Construction Technology.

Webtec will be exhibiting on the British Pavilion, Stand 92.

CT flow meter responds to production bottleneck

BOND FLUIDAIRE
Pneumatics & Hydraulics
Systems

In an effort to improve their competitive advantage, a Grand Rapids, MI, USA manufacturer decided to automate the production testing process of AC/DC hydraulic power packs.

With the technical help of distributor Bond Fluidaire, much of the hand test assembly was automated with clamping/tooling controlled by PLC complete with data acquisition of the required parameters.

The test parameters included the RPM of the motor driving the pump, electrical current draw, fluid pressure and the flow rate output of the pump. This performance data was matched against engineering specifications and an automatic pass or fail was generated from within the data acquisition software.

After implementing the automated test process it was found that there was more labor available for assembly of power packs and production was ramped up however, a bottle neck developed

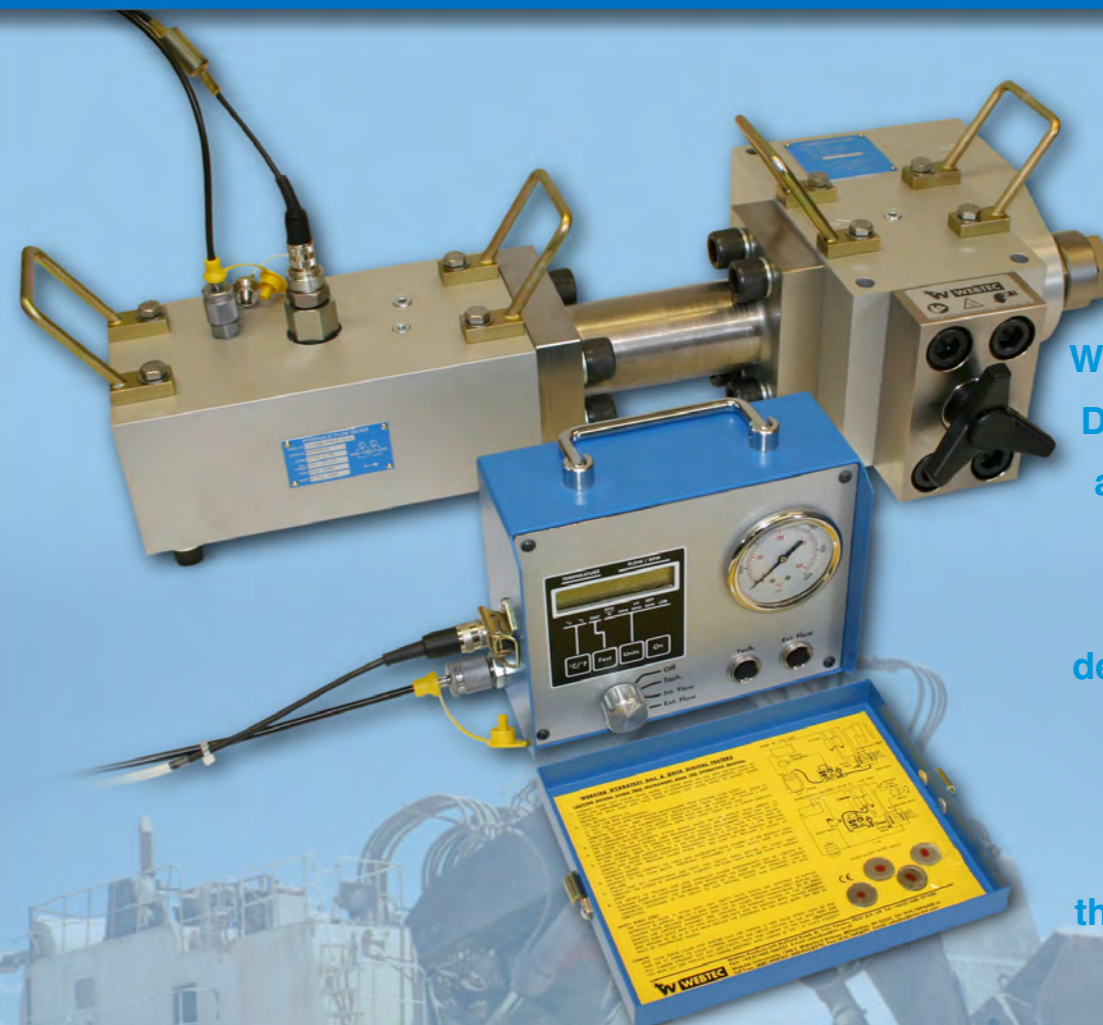
in the test process. Upon investigation it was found that when the motor/pump was stopped at several predetermined points in the test sequence the analog flow signal from the brand X flow meter took up to $\frac{3}{4}$ of a second (750 ms) to go to zero output. This phantom flow signal caused the PLC to pause, waiting for a zero flow signal, before starting the next sequence of the test, causing undue idle time on the test rig.

This phantom flow signal was due to the method employed to detect zero flow. Bond Fluidaire specified the Webtec CT turbine flow meter with milliamp output due to the fast 50 millisecond response time that it offers. The difference between 50 ms and 750 ms may not seem like that much but with the amount of product going through the production line the result was a 10-15% increase in throughput and a very happy customer.

M.G. Thomas. August 2009



Webtec release new HV1500R



Webtec unveiled the DHCR1500R test kit at the Intermat and SED exhibitions, a test solution designed for testing the very largest mobile machinery with a maximum theoretical power of over 1MW.

The test kit, designed in collaboration with a major US mobile machinery manufacturer, enables the operator to measure flow, pressure and temperature while simultaneously loading the system using the purpose built pressure loading valve. The HV1500 is designed to allow the operator to simulate the machine circuit under normal conditions by restricting the flow and, hence, increasing the pump's operating pressure.

Despite the large flows and pressures involved the valve can be operated with one hand and can be used to increase the load smoothly. The valve, like all Webtec HV series load valves, features a built-in burst disc safety mechanism that could otherwise damage the test kit and circuit under test. Rated to a maximum of 1500 lpm (400 US gpm) and 420 bar (6000 psi) with code 62 two inch fittings, the DHCR1500R test kit is available to order now.

