



PIRTEK LAUNCH HEALTHY HYDRAULICS APPROVED RANGE OF PRODUCTS

Pirtek is proud to launch its Healthy Hydraulics approved range of products designed to help minimise breakdowns & help gain an understanding of hydraulic system performance. This range is part of the growing Healthy Hydraulics movement which aims to help keep plant and machinery operating at its best.

Pirtek has teamed up with healthy hydraulics (www.healthyhydraulics.com) to promote best practice in operating and maintaining construction, industrial and agricultural equipment.

Healthy Hydraulics is supported by numerous industry leading partners including Pirtek, Hydrotechnik UK Ltd, Filtertechnik Ltd, The National Fluid Power Centre (NFPC) and Schroeder Industries.

The Healthy Hydraulics products shown overleaf compliment Pirtek's existing offer of internal hose cleaning and Total Hydraulics Management (THM). The products allow users to conduct detailed condition monitoring checks and to remedy common problems such as dirty hydraulic oil and poorly performing pumps.

To keep up to date on developments visit:

www.healthyhydraulics.com

You can also post your own comments on the site and stay in touch with hydraulics best practice and specific 'how to' information.

CONVENIENT MINIMESS HYDRAULIC PRESSURE TEST POINTS AND KITS

These convenient and safe pressure test kits allow basic condition monitoring of operating system pressure on construction, industrial and agricultural equipment. Minimess test points allow safe connection/disconnection under full system pressure. Pressure gauges are selectable from ranges of 10 up to 700 bar.



**LIFETIME
LEAK-FREE
GUARANTEE**

PHH103 LOW COST TEST KIT		PHH104 BSP TEST KIT		PHH105 UNIVERSAL TEST KIT		PHH106 DIGITAL GAUGE TEST KIT	
							
PHH103	RRP £92.94 €116.84	PHH104	RRP £122.64 €154.18	PHH105	RRP £243.01 €305.51	PHH106	RRP £361.73 €454.76

	TYPE	GAUGES	MINIMESS TEST POINT	MALE/FEMALE TEST POINT	GAUGE ADAPTER	630 BAR TEST HOSE	MALE ADAPTERS & SEALS
PHH103	Analogue	2 x 63mm	1620 to M10x1 & G $\frac{1}{4}$ "	No	G $\frac{1}{4}$ " (f)	1 x 1.5m	$\frac{3}{8}$ " & $\frac{1}{2}$ " male
PHH104	Analogue	2 x 63mm	1620 to G $\frac{1}{4}$ "	1620 to $\frac{1}{4}$ ", $\frac{3}{8}$ " & $\frac{1}{2}$ "	G $\frac{1}{4}$ " (f)	1 x 1.5m	$\frac{3}{8}$ " & $\frac{1}{2}$ " male
PHH105	Analogue	2 x 63mm	1620, 1615, 1215, HSP, QRC	1620 to $\frac{1}{4}$ ", $\frac{3}{8}$ " & $\frac{1}{2}$ "	G $\frac{1}{4}$ " (f)	2 x 1.5m	$\frac{3}{8}$ " & $\frac{1}{2}$ " male
PHH106	Digital	1 x digital	1620 to M10x1 & G $\frac{1}{4}$ "	No	G $\frac{1}{4}$ " (f)	1 x 1.5m	$\frac{3}{8}$ " & $\frac{1}{2}$ " male

MINIMESS HYDRAULIC TEST POINTS	MINIMESS TEST POINT TEE ADAPTERS	DN2-630 BAR TEST HOSES	MINIMESS GAUGE ADAPTERS																																
<p>Minimess test points offer a safe, leakfree and simple method of accessing high or low pressure systems for pressure testing, oil sampling or gas charging.</p> 	<p>BSP male/swivel female tee with Minimess hydraulic test point. These useful fittings allow a test point to be placed in a hose run.</p> 	<p>DN2-630 hoses have a 2mm internal bore and a safe working pressure of 630bar.</p>	<p>These handy adapters allow a pressure gauge to be fitted directly to a Minimess test point or 1620 test hose.</p> 																																
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HIPPO OFF-LINE OIL & FUEL POLISHING RIG AND SPARES

The PHH123 is a versatile low cost oil cleaning machine that utilises high performance Hippo filters. The rig removes both solid contaminants and water at the same time ensuring clean and dry oil cleaned down to under 5 microns. Hippo replacement elements are low cost and hold a huge amount of water and contamination.

PHH123	Hippo off-line polishing system 110v	RRP £1,173.88 €1,475.79
PHH124	Filter pot, lid and bracket only. $\frac{1}{4}$ " inlet & outlet	RRP £94.61 €118.94
PHH125	Filter element for PHH123 & PHH124, 800g dirt & 500ml water removal	RRP £32.44 €40.78





OFF-LINE FILTER CARTS AND SPARES

The key to keeping a machine's hydraulic system healthy is oil sampling and analysis (see back page) and remedial 'off-line' filtration when required.

Your local Pirtek Centre can supply off-line filter carts and replacement filtration elements shown here as well as providing a convenient filtration service.

These efficient and durable off-line filtration carts are ideal for removing both solid contaminants and water (PHH128) from a machine's hydraulic or lubrication oil. Replacement elements are available in various micron ratings, including water removal options. Both carts run on mains electricity.

The Sentry is perfect for light duty applications, replenishing systems with clean oil, emptying waste oil quickly and off-line contamination control. The SFC-3000 is a more rugged filtration system designed for constant industrial use as it has a higher flow rate and larger dirt holding capacities.

PHH126	Sentry filter cart	RRP £785.00	€986.89
PHH127	Replacement 10µm particulate removal element	RRP £36.57	€45.98
PHH128	SFC3000 'duplex' filter cart	RRP £1,496.25	€1881.06
PHH129	Replacement 10µm particulate removal element	RRP £49.70	€49.70
PHH130	Replacement 3µm particulate removal element	RRP £50.87	€63.95
PHH131	Replacement water removal element	RRP £44.39	€55.81



PHH126
SENTRY FILTER CART

PHH128
DUPLEX FILTER CART

ANALOGUE DIAGNOSTIC PRESSURE TEST KITS

The ideal service tool for flow, pressure and temperature measurement that is easy to use and durable. The device is inserted in a run of pipe taking the full flow of the circuit for accurate measurement of all 3 functions, they have a measurement range of 19...190 l/min, 0...400 bar & 0°C...120°C and are supplied with an easy to use load valve to test pump performance.



PHH132	HYDRapro test kit 240 bar	RRP £647.50	€814.03
PHH133	HYDRapro test kit 400 bar	RRP £979.00	€1,230.78

MULTIHANDY 2 AND 3 CHANNEL TEST AND DATALOGGERS

PHH134 MultiHandy 2020 digital pressure test kit contains everything you need to accurately measure or record 2 pressures & includes 1x60 bar & 600 bar sensor, cables, charger, 2020 datalogger & case.

PHH135 MultiHandy 3020 digital pressure, temperature & flow datalogging kit records up to 3 channels making it suitable for applications in R & D, manufacturing & field service. It has a 0...600 bar pressure range, a -50...200°C temperature range and a 9...300 l/m flow range. Supplied with HYDRocom 6 analysis software.



PHH134	2020 digital pressure test kit	RRP £668.94	€840.98
PHH135	3020 digital pressure, temperature & flow test kit	RRP £3,516.70	€4,421.15

PORTABLE OIL CLEANLINESS MONITOR

PHH136 Portable oil cleanliness monitor. This kit comprises of a safe and secure travel case fitted with an accurate laser particle counter. Perfect for proactive maintenance the particle counter gives instant LED readout of ISO cleanliness codes. The monitor has a computer interface and comes with trending software.

The PHH136 Portable Oil Cleanliness Monitor utilises the same laser particle counting technology as found in more expensive laboratory particle counting equipment. Results can be displayed in ISO 4406, NAS and SAE formats. Also available with water sensors for tracking the %RH or PPM counts of water in oil or diesel fuel.



PHH136	Portable oil cleanliness monitor	RRP £2,400.00	€3,017.25
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OIL SAMPLING SERVICE



Oil sampling is at the heart of condition monitoring. These handy kits allow hydraulic oil samples to be taken safely. All kits include analysis from a leading laboratory and a simple to interpret cleanliness report to ISO 4406.

Pirtek, through its partners will help you interpret the results and give recommendations on the action required to return the oil to its full operational health.

PHH100	Single oil sample bottle and postal tube	RRP £30.79 €38.71
PHH101	As above c/w 'thief' vacuum pump (see image above)	RRP £79.00 €99.32
PHH102	Pack of 10 oil sample bottles and postal tubes	RRP £305.00 €383.44

HOSE MANAGEMENT



Fully trained Pirtek technicians measure and record all the relevant parameters of the hoses on a machine or in a site. This enables spare and replacement hoses to be manufactured economically and ensures that equipment down-time is kept to a minimum.

HOSE TAGGING

The unique Pirtek hose tagging system assures quality and aids hose management by giving each hose a unique identity. Any Pirtek technician in the UK can make a replacement hose using the information contained on the bright red tag.

HOSE INSPECTION

All hydraulic hoses are subject to wear and tear and ultimately failure. A full hose inspection by a qualified Pirtek hose technician minimises the risk of hose failures. During an inspection damaged or worn hoses are replaced before catastrophic failure saving unnecessary down-time.

HOSE CLEAN

Pirtek internal hose clean minimises the risk of internal contamination after a failed hose is replaced. Pirtek's 'new generation' hose clean

technology ensures adequate levels of cleanliness for the majority of common applications. More advanced hose flushing is also available from Pirtek Centres.

OIL ANALYSIS

Research has shown that over 80% of all hydraulic failures are caused by hydraulic fluid contaminated with water or solid particulates. A regime of oil sampling and analysis and remedial off-line filtration, when required, ensures healthy hydraulic systems, extends hydraulic fluid life and minimizes the risk of unnecessary machine down-time.

Pirtek's oil analysis service gives a full insight into the condition of a given oil sample, in addition Pirtek's partners give helpful advice on any remedial action that might be required to return the oil to operational health.



DISCOVER MORE AT
www.healthyhydraulics.com



YOUR LOCAL DEPOT