

## Technical Data

# WATER & PARTICLE FILTER KITS



**Please read carefully before commencing installation**

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## **IMPORTANT WARNING NOTES**

1. This filter kit must not be used to filter petrol or any other flammable liquid.
2. Installation of the head and filter should only be carried out by a competent engineer. Misalignment of either head or element can be hazardous.
3. The installation must conform to all relevant local authority regulations and standards.
4. This filter kit must not be used with liquids or for other applications other than those specified. We will accept no warranty claims or liability if it is used for other liquids or applications.

## **PRODUCT DESCRIPTION**

This filter kit is designed to be fitted on the outlet side of gravity, or pump, fuel dispensing applications (see individual filter specification table below) between the gate valve or pump outlet and the hose. Additional fittings may be required depending on the type of installation and hose.

## **INSTALLATION INSTRUCTIONS**

1. Ensure the gate valve is in the closed position and/or the pump is switched off.
2. Disconnect the existing hose and outlet elbow (if present).
3. Using a suitable thread sealant fit the IN side of the filter head onto the outlet side of the gate valve / pump so that the boss, onto which the filter screws, points downwards. **DO NOT OVER-TIGHTEN.**
4. Reconnect the hose to the OUT port of the filter head, using extra fittings as necessary, so that the hose points downwards.
5. Unwrap the filter element and apply a small amount of grease to the sealing ring. In order to gauge the life of the element it is useful to write the date on the element case in indelible ink.
6. Screw the element onto the head firmly by hand but do not over-tighten. Turn on the gate valve / pump and check joints for leaks.

## **OPERATION**

Normal operation of the installation should not be affected by fitting the filter kit although you may notice a small drop in delivery rate. If you detect a significant drop in delivery rate this indicates the filter has absorbed its full capacity of water and / or dirt and needs replacing.

## **REPLACING THE ELEMENT**

1. Ensure the gate valve / pump is turned off.
2. Open nozzle to help relieve excess pressure.
3. Firmly place a cloth over the head and the top of the element to catch any spray and unscrew the element.
4. Unwrap a new element and write the date on the side.
5. Apply a small amount of grease to the sealing ring and screw the element onto the head firmly by hand but do not over-tighten.
6. Turn on the gate valve / pump and check joints for leaks. If that was your last element do not forget to order more replacements from your supplier (see individual filter specification table below for part number).

# INDIVIDUAL FILTER KIT SPECIFICATION

FILTER KIT TYPE	INTENDED USE	FUEL TYPE	THREAD SIZE	PARTICLE FILTRATION SIZE	MAX FLOW RATE	MAX PRESSURE	ELEMENT PART NO.
HYD.GK10S	PARTICLE - GRAVITY/PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	80 LPM	50 PSI / 3.4 BAR	HYD.ELG10S (70060)
PART.KITS	PARTICLE – PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	50 LPM	50 PSI / 3.4 BAR	CT70010 (70010)
PART.KITH	PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	80 LPM	50 PSI / 3.4 BAR	CT70015 (70015)
HYD.GK	WATER AND PARTICLE – GRAVITY/PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	30 MICRON	100 LPM	50 PSI / 3.4 BAR	HYD.ELG (70076)
HYD.GK10	WATER AND PARTICLE – GRAVITY/PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	100 LPM	50 PSI / 3.4 BAR	HYD.ELG10 (70075)
HYD.PKIT	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	30 MICRON	70 LPM	50 PSI / 3.4 BAR	HYDRA.EL2 (70067)
HYD.PKIT10	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	70 LPM	50 PSI / 3.4 BAR	HYDRA.EL10 (70062)
HYD.PKITH	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	30 MICRON	120 LPM	50 PSI / 3.4 BAR	HYDRA.HSEL (70043)
HYD.PKITH10	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	120 LPM	50 PSI / 3.4 BAR	HYDRA.HSEL10 (70098)
HYD.PKHC	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	30 MICRON	110LPM	50 PSI / 3.4 BAR	HYD.EL800 (70068)
HYD.PKUC	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	30 MICRON	150LPM	50 PSI / 3.4 BAR	HYD.EL800 (70068)
HYD.PKIT2	WATER AND PARTICLE –PUMP INSTALLATION	BIO-DIESEL, DIESEL, GAS OIL, PETROL	1" BSPP FEMALE	2 MICRON	70 LPM	50 PSI / 3.4 BAR	HYD.ELB2 (70232)
HYD.PKHC2	WATER AND PARTICLE – GRAVITY/PUMP INSTALLATION	BIO-DIESEL, DIESEL, GAS OIL, PETROL	1" BSPP FEMALE	2 MICRON	110 LPM	50 PSI / 3.4 BAR	HYD.EL800B2 (70037)
HYD.PKHC10	WATER AND PARTICLE – GRAVITY/PUMP INSTALLATION	DIESEL, GAS OIL	1" BSPP FEMALE	10 MICRON	110 LPM	50 PSI / 3.4 BAR	HYD.EL10800 (70063)
HYD.PKHUC10	WATER AND PARTICLE – GRAVITY/PUMP INSTALLATION	DIESEL, GAS OIL	1 ½" BSPP FEMALE	10 MICRON	150 LPM	50 PSI / 3.4 BAR	HYD.EL10800 (70063)
HYD.PKITB	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, BIO-DIESEL UP TO B100	1" BSPP FEMALE	10 MICRON	70 LPM	50 PSI / 3.4 BAR	BIO.EL2 (70236)
HYD.PKHCB	WATER AND PARTICLE –PUMP INSTALLATION	DIESEL, BIO-DIESEL UP TO B100	1" BSPP FEMALE	10 MICRON	110LPM	50 PSI / 3.4 BAR	HYD.EL800B (70024)

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