

## Technical Data

# 12HD.K – 12V/24V DC DUAL VOLTAGE FUEL TRANSFER PUMP KIT



Please read carefully before commencing installation

Applies to the following models only:

- 12HD.K

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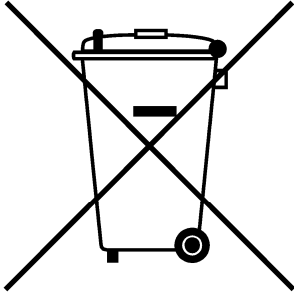
Web: [www.hytekgb.com](http://www.hytekgb.com)

## **IMPORTANT WARNING NOTES**

**Failure to comply with any of the following will invalidate the pump warranty.**

1. This pump **MUST NOT** be used to dispense petrol or other flammable liquids.
2. It must not be sited adjacent to a petrol dispenser or in any other hazardous zone.
3. Assembly of this equipment and its associated pipe work and fittings should only be carried out by qualified fuel installation engineers.
4. The pump must only be operated when the pump chamber is full of liquid. It must not be run "Dry".
5. The pump must only be operated with the supplied suction strainer fitted to the end of the suction hose in accordance with the assembly instructions below.
6. The maximum continuous running time when operated using a 12V DC supply must not exceed 30 minutes. The maximum continuous running time when operated using a 24V DC supply must not exceed 15 minutes.
7. The pump must not be run on bypass (nozzle closed) for periods exceeding 1 minute.
8. The installation must conform to all relevant electrical and local authority regulations and standards.

## **ENVIRONMENTAL INFORMATION**



European Directives 2002/96/EC and 2003/108/EC require that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities.

## **PRODUCT DESCRIPTION**

The 12HD.K pump kit is designed to pump clean non-flammable liquids such as diesel or gas oil using a 12 Volt DC or 24v DC electrical supply.

## **COMPONENTS**

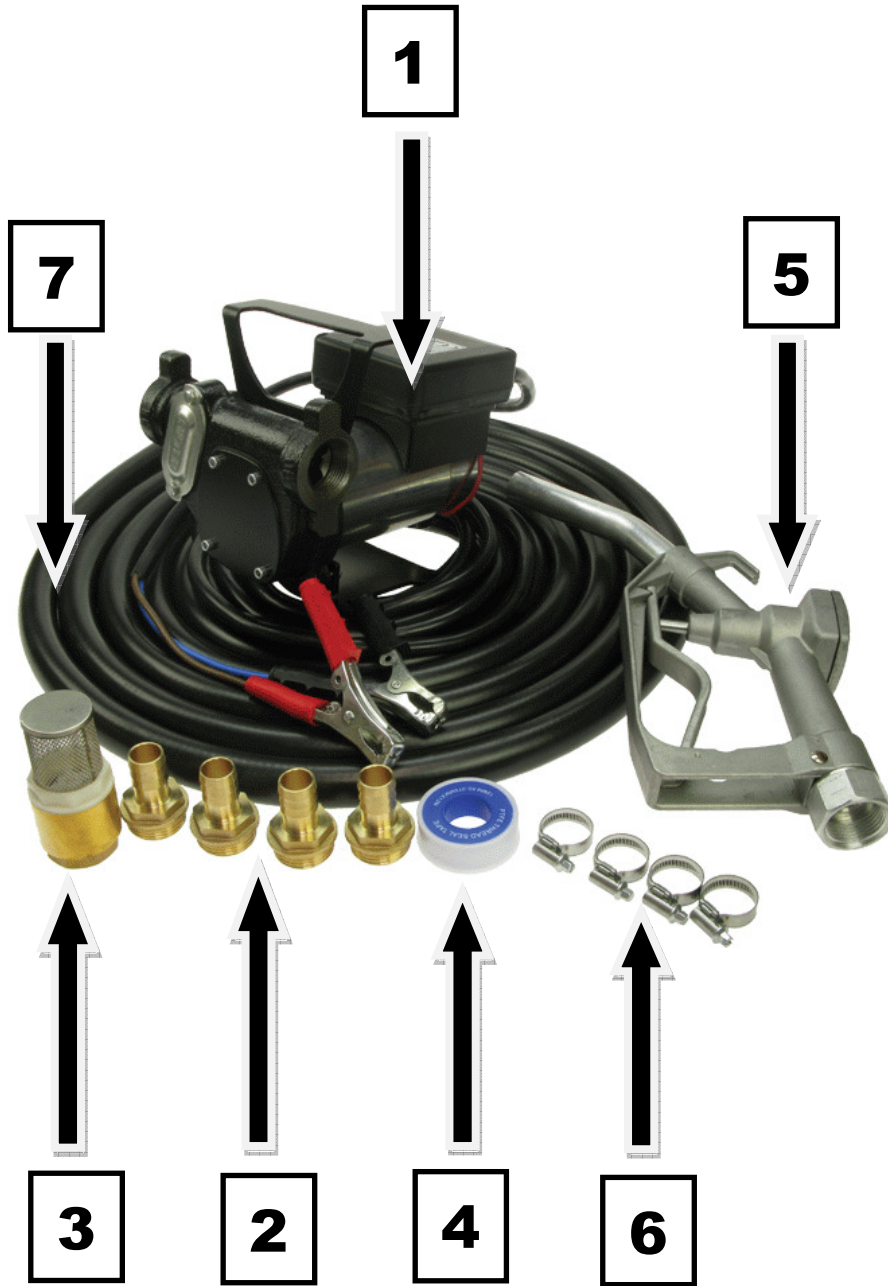
Check you have the following:

### **DIAGRAM PART No.**

#### **12H.K**

1 x 12/24v DC Pump	(1)
4 x Brass Hose Tails 1"	(2)
1 x Foot Valve/Strainer	(3)
1 x PTFE Sealing Tape	(4)
1 x Fuel Delivery Nozzle	(5)
4 x Hose Worm Drive Clips	(6)
1 x 6 Metre x $\frac{3}{4}$ " Bore Fuel Delivery Hose	(7)

# PARTS DIAGRAM



## **ASSEMBLY**

1. Fit a 1" hose tail (2) to the foot valve (3). Seal threaded joint with PTFE (4).
2. Cut the required length of hose from the 6 metre  $\frac{3}{4}$ " hose (7) supplied to make the suction hose assembly. Fit this length of  $\frac{3}{4}$ " bore suction hose to the foot valve assembly, securing with a worm drive clip (6).
3. Fit a 1" hose tail (2) to the pump inlet using PTFE tape (4) to seal the joint. Note flow direction arrow on the pump housing. In turn fit the suction hose to the inlet hose tail (2) securing with a hose worm drive clip (6).
4. Seal a 1" hose tail (2) into the nozzle using PTFE tape (4).  
Fit a length of suitable  $\frac{3}{4}$ " bore hose to the fuel delivery nozzle (5). Cut the required length of hose from the 6 metre hose (7) supplied and fit to the nozzle (5) and secure with a worm drive clip (6).
5. Fit the remaining hose tail (2) to the pump outlet. Use PTFE tape (4) to seal the joint. In turn fit the hose and nozzle assembled in part 4 to the pump outlet hose tail (2), securing with a worm drive clip (6).

## **OPERATION**

1. Ensure the pump is filled with fuel and fully primed.
2. Connect the pump crocodile clips to a suitable 12 or 24-volt DC power supply as follows:

**Red Crocodile Clip :            Positive (+)**  
**Black Crocodile Clip :        Negative(-)**

3. Fully immerse the end of the suction hose in the fuel to be pumped and place the fuel delivery nozzle in the tank / container to be filled.
4. Switch on pump and dispense fuel.
5. The pump must not be run on bypass (nozzle closed) for periods exceeding 1 minute.
6. The maximum continuous running time when operated using a 12V DC supply must not exceed 30 minutes. The maximum continuous running time when operated using a 24V DC supply must not exceed 15 minutes.

# E.C. DECLARATION OF CONFORMITY



**HYTEK**  
FUEL & LUBRICATION  
EQUIPMENT

Date of Issue: 30<sup>th</sup> June 2015

Equipment Details: 12H & HD – 12V/24V DC dual speed transfer pump.

Applicable Standards: EMC  
(EMC etc.) EN61000-6-3:2007 Emissions

2006/95/EC Electrical Equipment (Low Voltage)

2006/42/EC Machinery Directive

97/23/EC Pressure Equipment Directive

2002/96/EC 2003/108/EC  
Waste Electrical and Electronic  
Equipment Regulations 2006

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Technical Manager Hytek

Declaration Number: EC123

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