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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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".

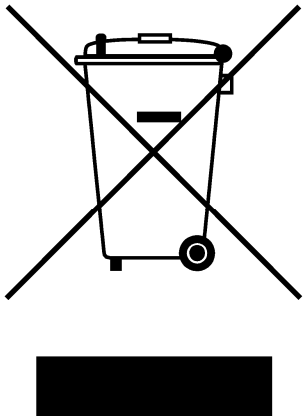
5. The pump must only be operated with the supplied suction strainer fitted to the end of the suction hose in accordance with the assembly instructions below.

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 10 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 Directive 2012/19/EU requires 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

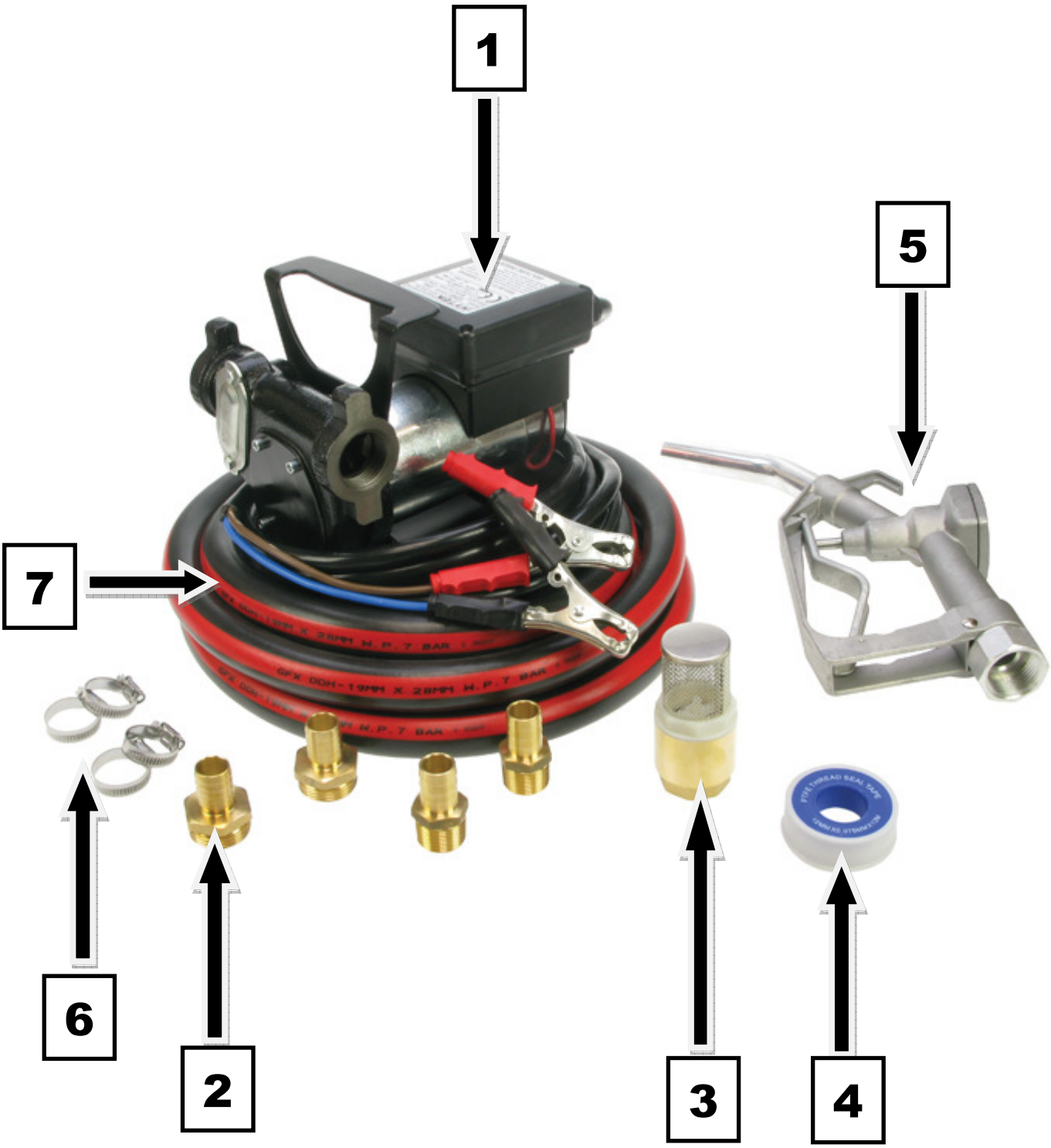
The 12HD.K pump kit is designed to pump clean non-flammable liquids such as diesel or gas oil using a 12 Volt DC or 24v DC electrical supply.

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 ¾" 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 ¾" hose (7) supplied to make the suction hose assembly. Fit this length of ¾" 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 ¾" 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.U. DECLARATION OF CONFORMITY

Company Name:	**Hytek (GB) Ltd**
Address:	**Delta House, Green Street. Elsenham, Bishops Stortford, Hertfordshire, CM22 6DS, UK**
Date of Issue:	**27th February 2018**
Equipment Details:	**12H & HD – 12V/24V DC Dual Speed Diesel Transfer Pumps**
Applicable Directives: & Standards	**2014/30/EU EMC Directive** EN 61326-1:2013 Electromagnetic compatibility (EMC) – Group 1, Class B Eq. (Emissions) EN 61326-1:2013 Electromagnetic compatibility (EMC) – Industrial Environment (Immunity) **2014/35/EU Low Voltage Directive** **2006/42/EC Machinery Directive** **2014/68/EU Pressure Equipment Directive** **2012/19/EU Waste Electrical & Electronic Equipment Regulations**
Declaration Number:	**EU123**

On behalf of the above named company, I declare under our sole responsibility that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.

Clive Wellings

Clive Wellings, Technical Manager