

12H.K(A) – 12V DC HIGH SPEED FUEL TRANSFER PUMP KIT



Applies to the following models **ONLY**:

12H.K

12H.KA

Please read carefully **BEFORE** commencing installation.

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Delta House, Green Street, Elsenham, Bishop's Stortford,
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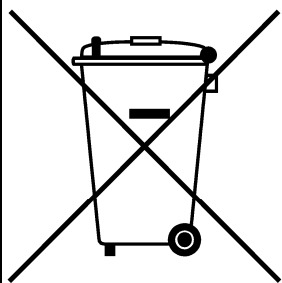
Email: info@hytekgb.com

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 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



UK Regulation SI 2013 3113 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 12H.K(A) range of pump kits are designed to pump clean non-flammable liquids such as diesel or gas oil using a 12 Volt DC electrical supply.

COMPONENTS

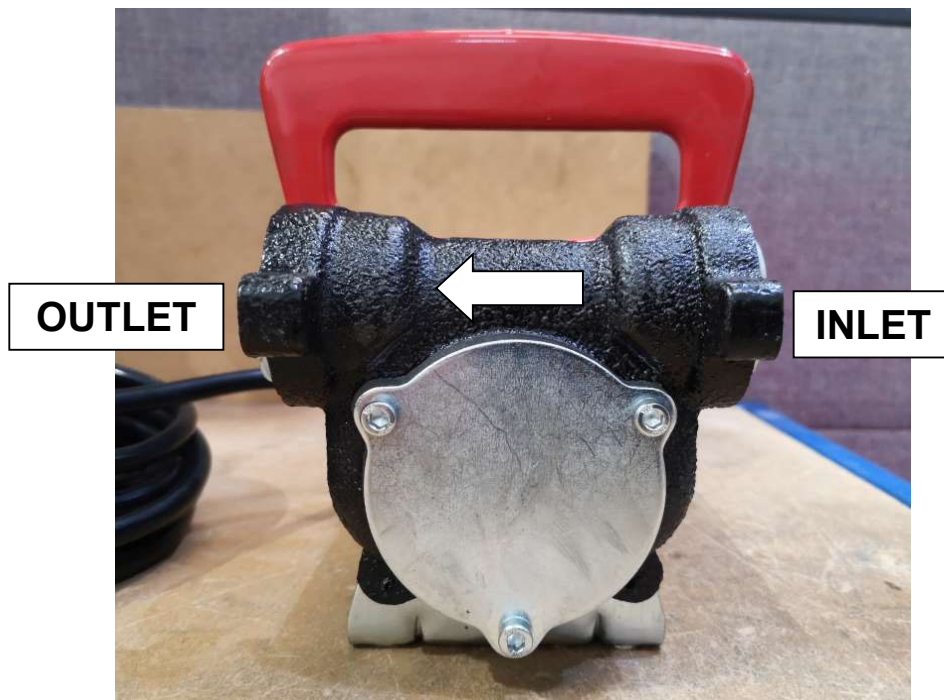
Check you have the following:

12H.K

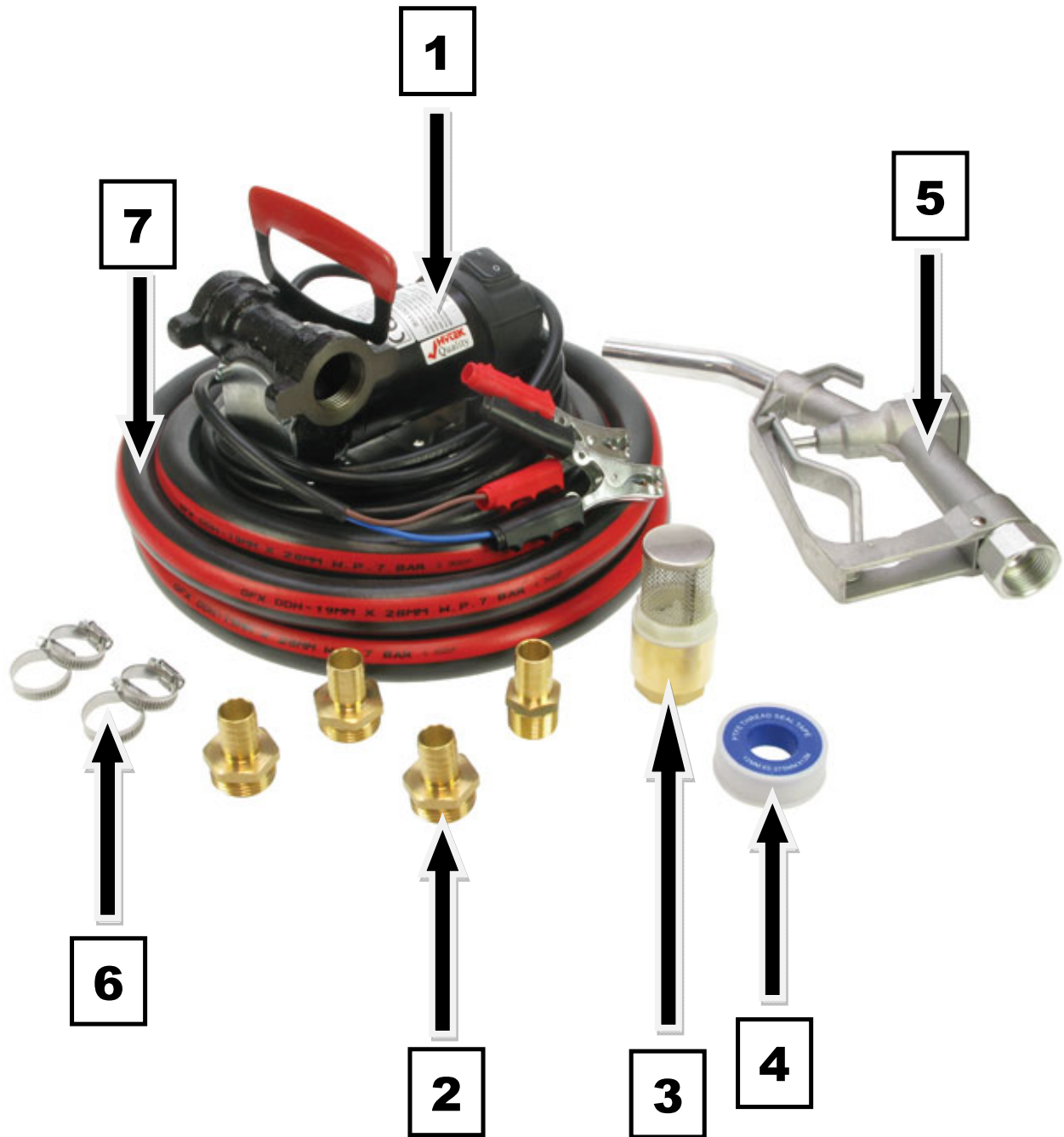
1 x 12 DC Pump	(1)
4 x Brass Hose Tails 1"	(2)
1 x Foot Valve/Strainer	(3)
1 x PTFE Sealing Tape	(4)
1 x Fuel Delivery Nozzle	(5)
4 x Hose Worm Drive Clips	(6)
1 x 6 Metre x 3/4" Bore Fuel Delivery Hose	(7)

DIAGRAM PART No.

FLOW DIRECTION



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 12v 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. Turn off pump after use and ensure that the nozzle and hose are stowed safely.

DUTY CYCLE WARNING:

THIS PUMP IS DESIGNED FOR INTERMITTENT USE. DO NOT RUN THIS PUMP CONTINUOUSLY FOR LONGER THAN 15 MINS AS IT MAY DAMAGE THE MOTOR AND VOID THE WARRANTY. ALLOW PUMP TO COOL FOR 15 MINS OR TO AMBIENT TEMP BEFORE RESUMING OPERATION.

DUTY CYCLE WILL VARY WITH LOAD AND AMBIENT TEMPERATURE.

BYPASS WARNING:

DO NOT ALLOW THIS PUMP TO RUN ON BYPASS (NOZZLE CLOSED) FOR PERIODS LONGER THAN 1 MINUTE. FAILING TO DO THIS MAY DAMAGE THE PUMP UNIT AND VOID WARRANTY.

DECLARATION OF CONFORMITY



Company Name: **Hytek (GB) Ltd**

Address: **Delta House**

**Green Street
Elsenham
Bishop's Stortford
Hertfordshire
CM22 6DS**

Date of Issue: **25th October 2022**

Equipment Details: **DC Duel Speed Transfer Pumps**
12H.K,12H.KA,12H & 12HD

Applicable Directives: **S1 2016 1091 Electromagnetic Compatibility Regulations**

& Standards

SI 2016 1101 Electrical Equipment Safety Regulations

SI 2008 1597 Supply of Machinery Safety Regulations

**SI 201 6 11 05 Pr essure E quipment Sa fety
Regulations**

**SI 2013 3113 Waste Electrical & Electronic Equipment
Regulations**

**SI 2012 3032 Restriction of Use of Certain Hazardous
Substances Regulations**

Declaration Number: **UK123 Issue 3**

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.

A handwritten signature in cursive script that reads "Clive Wellings".

Clive Wellings, Process Co-ordinator
25th October 2022
Bishop's Stortford, Herts

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