

## 12H - 12V DC HIGH SPEED FUEL TRANSFER PUMP



Applies to the following models **ONLY**:

**12H**

Please read carefully **BEFORE** commencing installation.

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## **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.

## **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 highly 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 a suitable suction strainer or filter fitted to the inlet of the pump unit.
6. The maximum continuous running time when operated using a 12V DC supply must not exceed 15 minutes.
7. Do not run the pump on bypass (outlet/nozzle closed) for any longer than a maximum of 1 minute.
8. The installation must conform to all relevant electrical and local authority regulations and standards.

### **DUTY CYCLE WARNING:**

**THIS PUMP IS DESIGNED FOR INTERMITTENT USE. DO NOT RUN THIS PUMP CONTINUOUSLY FOR LONGER 15 MINS FOR 12V PUMPS, AS IT MAY DAMAGE THE MOTOR AND VOID THE WARRANTY. ALLOW PUMP TO COOL FOR 15 MINUTES, OR TO AMBIENT TEMP, BEFORE RESUMING OPERATION.**

**DUTY CYCLE WILL VARY WITH LOAD AND AMBIENT TEMPERATURE.**

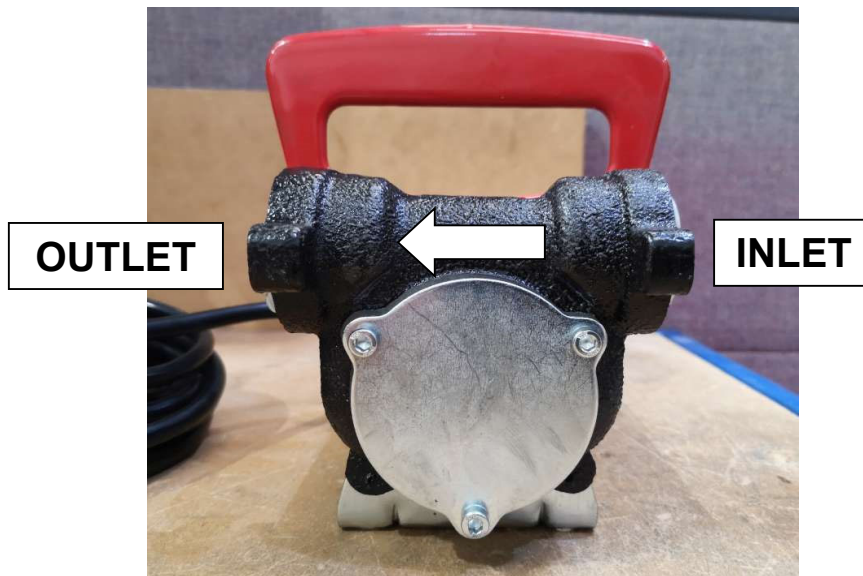
### **BYPASS WARNING:**

**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.**

## **PRODUCT DESCRIPTION**

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

## **FLOW DIRECTION**



## **OPERATION**

**PRIMING:** If an automatic dispensing nozzle is installed on the end of the delivery line, the evacuation of air in the system will be difficult. It is recommended that the automatic dispensing nozzle be temporarily disconnected during the initial self-priming phase.

1. Connect the pump to a suitable 12 Volt DC power supply.
2. Ensure that the end of the suction hose/pipe is fully immersed in the fuel to be pumped and place the fuel delivery nozzle in the tank / container to be filled.
3. Switch on pump using the switch and dispense fuel.
4. After fuelling is completed, turn the pump off using the switch.

## **TROUBLESHOOTING**

**IF PUMP FAILS TO PRIME:** Check suction line for leaks or obstructions. Check bypass valve for dirt.

**PUMP IS JAMMED:** If the motor hums but pump will not start, the probable cause is a stuck rotor. Remove rotor cover and check rotors and vanes.

**LOW PUMPING CAPACITY:** Strainer/filter may be clogged, bypass valve not seating properly, obstruction in the suction line, make sure all rotor vanes slide easily in their slots.

**PUMP WILL NOT START:** Check all electrical connections. Check 35A fuse located in plastic pump junction box.

## **PARTS LIST**

<b>ITEM</b>	<b>PART DESCRIPTION</b>	<b>PART NUMBER</b>
1	Rotor plate	12H.1
2	Pump Housing O-ring	12H.2
3	Rotor	12H.3
4	Shaft Key	12H.4
5	Vanes (5 per rotor)	12H.5
6	Shaft Seal	12H.6
7	Bypass Assembly	12H.7
8	On/Off Switch	12H.8
9	35A Fuse	12H.9

# **DECLARATION OF CONFORMITY**



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

Address: **Delta House  
Green Street  
Elsenham  
Bishop's Stortford  
Hertfordshire  
CM22 6DS**

Date of Issue: **25<sup>th</sup> October 2022**

Equipment Details: **12H & HD – 12V/24V DC Dual Speed Diesel Transfer Pumps**

Applicable Directives:  
& Standards

**SI 2016 1091 Electromagnetic Com patibility Regulations**

**SI 2016 1101 Electrical Equipment Safety Regulations**

**SI 2008 1597 Supply of Machinery Safety Regulations**

**SI 201 6 1105 Pressure Equipment Safety Regulations**

**SI 2013 3113 Waste Electrical & Electronic Equipment 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  
25<sup>th</sup> October 2022,  
Bishop's Stortford, Herts

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