

## Technical Data

# DIAPHRAGM PUMP RANGE



Applies to the following models **only**:

- DP12/24.4    - DP12/220.17    - DP110.17    - DP12.17KIT

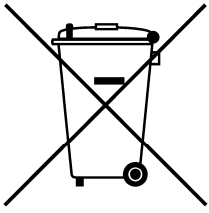
**Please read carefully before commencing installation**

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## **ENVIRONMENTAL INFORMATION**



European Directives 2002/96/EC and 2003/108/EC require that the equipment bearing this symbol on the product an/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.

## **IMPORTANT WARNING NOTES**

1. The pump **MUST NOT** be used to dispense petrol or other flammable liquids.
2. Installation of this equipment and its associated tank, pipe work and fittings should only be carried out by qualified installation engineers.
3. The installation must conform to all relevant electrical and local authority regulations and standards.

## **DESCRIPTION**

The Hytek range of diaphragm pumps are self priming and suitable for pumping water or agricultural chemicals. All pumps are designed for intermittent duty and are fitted with pressure switches for on-demand operation.

## **INSTALLATION**

The pumps are mounted via the soft rubber noise reducing mounts fitted to the base of each pump unit. The pumps are to be connected to a suitable power supply as follows:

12V DC: Red = (+) Positive  
Black = (-) Negative

24V DC: Red = (+) Positive  
Black = (-) Negative

110V AC Brown = Live  
Blue = Neutral  
Yellow/Green = Earth

230V AC: Brown = Live  
Blue = Neutral  
Yellow/Green = Earth

## **OPERATION**

1. Ensure the inlet and outlet fittings are securely connected.
2. Power up the pump and ensure that any nozzle or valve on the outlet is open. The pump will self prime and purge itself of any air present.
3. Close the nozzle/valve on the outlet and the pump will now stop.
4. Check the pump and all connections for any leaks after first use.

**IMPORTANT:** All Hytek diaphragm pumps are intermittent duty pumps, which have a duty cycle of a maximum of 30 minutes. This means after 30 minutes of constant usage the pump must be turned off and left to cool down for 30 minutes before it can be restarted. Electrical load and ambient temperature may affect the duty cycle. Using the pump beyond its recommended duty cycle may damage the pump unit, reduce the pumps lifespan, and could invalidate any warranty.

## **SPECIFICATIONS**

See label on the pump unit for further information.

# E.C. DECLARATION OF CONFORMITY



**HYTEK**  
FUEL & LUBRICATION  
EQUIPMENT

Date of Issue: 1<sup>st</sup> March 2010

Equipment Details: DP12/24.4, DP110.17, DP12/220.17,  
DP12.17KIT Diaphragm Pumps

Applicable standards: EMC EN61000-6-3:2001 (+A11) Emissions  
2006/95/EC Electrical Equipment  
(Low Voltage)  
Machinery Directive 2006/42/EC

The Pressure Equipment Regulations  
1999 S.I. 1999/2001

Entry Into Force:- 29 November 1999  
Amended to S.I. 2002/1267

Pressure Equipment Directive 97/23/EC

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

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