











# EPS-ENH – ENHANCED PRESSURISATION UNIT



-  Single pump model
-  Strong 1.5mm mild steel construction
-  Fully powder coated RAL 5010 and RAL 7016
-  Can be either floor standing or wall hung
-  20 x 2 LCD Display
-  Full function and condition indication
-  Low water cut out to prevent dry running
-  Pump anti-seize pulse feature
-  Water tank built with type “AA” air gap
-  Fitted with WRAS approved float valve (WRAS No. 1011044)

## INTRODUCTION

- The EPS-ENH is a single pump, single system, electronically controlled enhanced pressurisation unit.
- Designed for use on heating or chilled water systems up to and including 2.8 Bar cold fill pressures.
- All mounted in a fully enclosed, mild steel powder coated cabinet.
- The unit is designed for ease of installation with all mechanical connections being terminated outside the main shell.

## ELECTRICAL

- Motor: Totally enclosed fan cooled
- Electrical supply: 240 a.c. single phase
- F.L.C.: 2.5 amps/370w continuously rated
- Motor insulation: IP44 Class F

## VESSELS

A Full range of replaceable bag/diaphragm expansion vessels are available to suit all systems.  
Range: from 3 to 1000 ltr. (rated at 99°C & 10bar)

## PUMP

Constructed of a cast iron body with stainless trim, stainless steel shaft with a brass impellor. The pump incorporates a self-adjusting mechanical seal.

## PIPEWORK

Suction & discharge internal pipe-work in copper/plastic capillary tubing, complete with system termination in a 1/2" BSPF.

## SYSTEM CONNECTIONS

- 1/2" BSPM connection to float valve
- 1/2" BSPF connection to system
- 22mm compression overflow connection

## BREAK TANK

1 No. 4 Gallon polypropylene tank with 1/2" HP float valve and a 22mm compression overflow connection.

## DIMENSIONS / WEIGHT

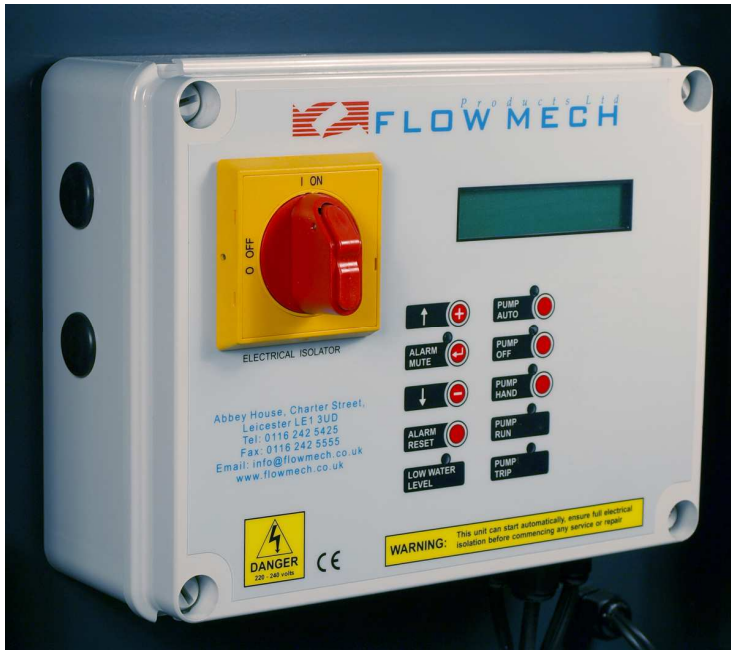
Dimensions (mm): 460w x 415d x 800h  
Weight: 36 KG.

HIGH PRESSURE VERSION AVAILABLE: Model No. EPS-ENH-HP  
Suitable for cold fill pressures up to 6.0 Bar / 0.37 kW and 3.41 amps FLC



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## EPS-ENH CONTROLS

All within the integral enclosure, the controls feature :-

- Door interlocked isolator
- Digital display of all conditions

### Additional lamp display for:

- Alarm activated
- Low water
- Pump auto operation
- Pump off
- Pump hand operation
- Pump run
- Pump trip

### PCB control features including:

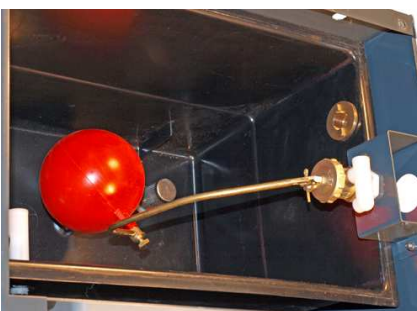
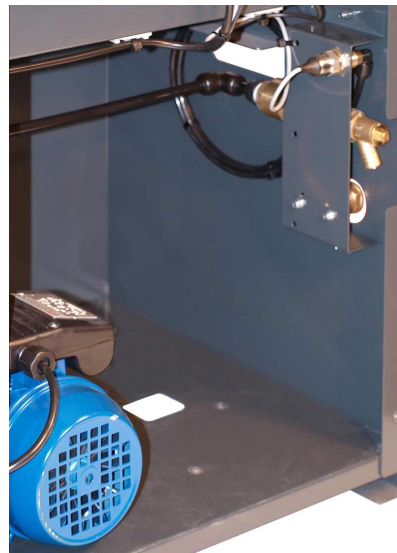
- Anti-seize pulse
- Low Water protection
- System fill mode
- Audible sounder for alarms
- Alarm mute

### Main V.F. contacts for:

- Remote stop
- Boiler / Chiller interlock
- Common fault

### Additional V.F. contacts for:

- Pump run
- Pump trip
- Low water level
- High water level
- Low pressure
- High pressure
- Frequency of starts
- Flood alarm
- Transducer failure



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