








# EPS – PRESSURISATION UNIT



-  Strong 1.5mm mild steel construction
-  Fully powder coated RAL 5010 and RAL 7016
-  Can be either floor standing or wall hung
-  Digital LED Display
-  Single pump
-  Low water cut out to prevent dry running
-  Pump anti-seize pulse

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

## INTRODUCTION

- The EPS is a single pump, single system, electronically controlled 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.

## SYSTEM CONNECTIONS

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

## 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

## PIPEWORK

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

## BREAK TANK

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

## 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.

## VESSELS

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

## CONTROLS

All within the integral enclosure, the controls feature :-

### LED Indication for:

- System Pressure indication
- HP — high pressure
- LP — low pressure
- Transducer fail
- Service notification
- Fuse/pump fail
- Low water

### Wiring Terminals for:

- Boiler/Chiller interlock
- Common fault

### Panel Buttons for:

- Pump Test
- Alarm / Mute

### PCB Control for:

- Anti-seize pulse
- Low Water protection
- System fill mode

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

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