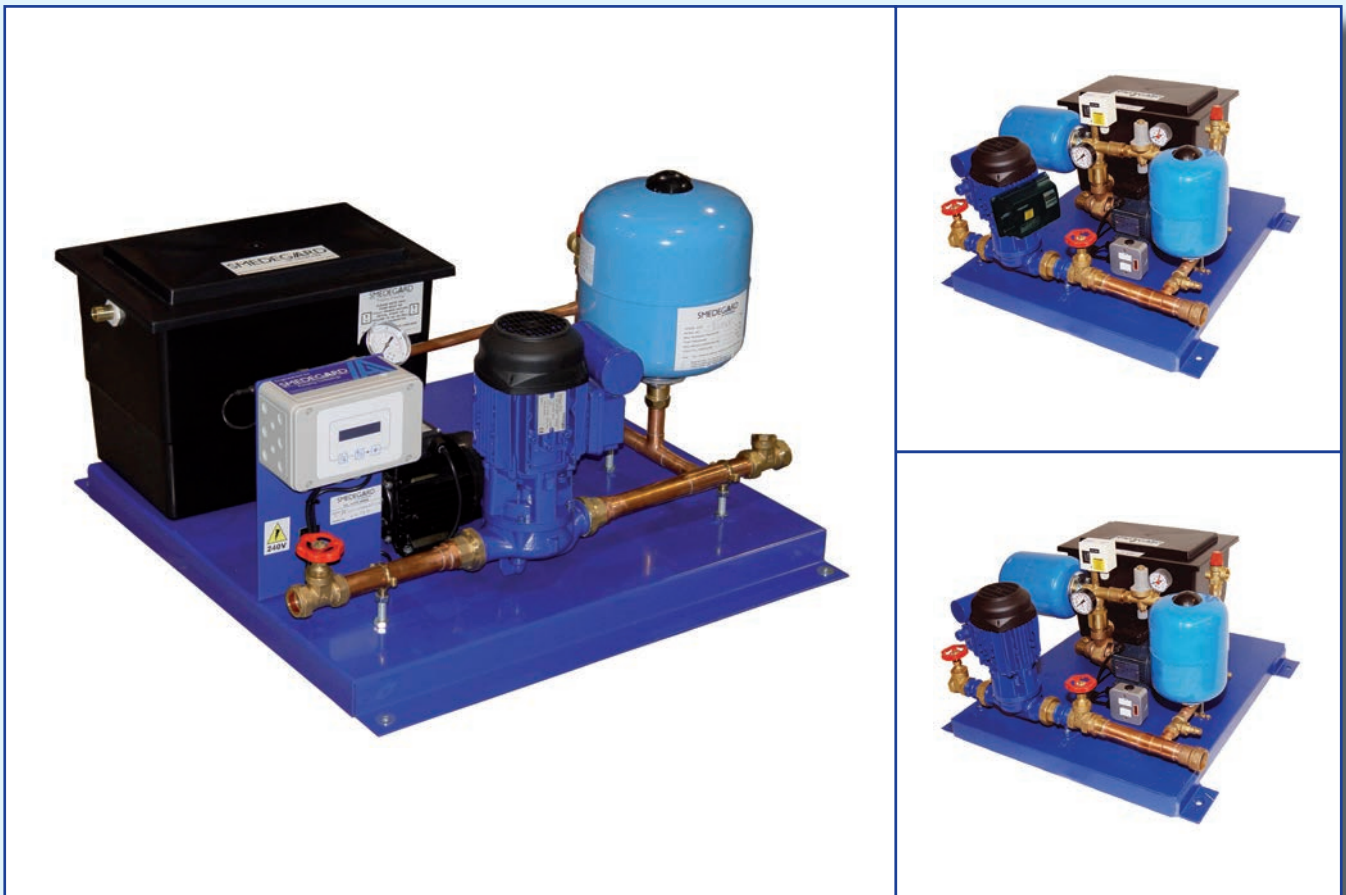


GARDPRES™

PUMP INTEGRATED PRESSURISATION SETS

PIPS



reliable **efficient** **quality**

SMEDEGARD

Pumping Technology

PIPS Range

Smedegaard Pumps have, for 20 years, been manufacturing a comprehensive range of pressurisation equipment for sealed heating and chilled water systems. The models vary from a single pump module with separate expansion vessel to a baseplate mounted twin pump/twin outlet unit with all models being suitable for use in conjunction with a Building Management System.

The PIPS Range is a development in Smedegaard's quality range of pressurisation units. The units typically consist of an 'open' style pressurisation set with high/low pressure switches, a system specific expansion vessel and circulating pump, all with interconnecting pipework and fully assembled on a common baseplate.

Variation to the above such as cabinet pressurisation sets or for larger systems loose system expansion vessels are also available.

The basic PIPS unit has the following features/components:-

Standard Features

- Single phase 3 bar pressurisation pump
- High/low pressure switches for system interlock and remote alarm
- Interconnecting pipework and fittings for speed of installation
- Common baseplate
- Breaktank with ball valve and type AA air gap (CAT 5)
- Single or three phase system circulating pump
- System expansion vessel on the baseplate
- System pressure relief valve

Optional Features

- Twin pressurisation pumps
- Twin head circulating pumps
- **ECO FLEX™** Inverter controlled circulation pumps
- Safefill kit for system filling

Circulating Pump

- Note, the system circulation pump is sized to your requirements to meet the needs of the system. Flow rates and frictional head loss will need to be given to ensure the correct pump is supplied

Enhanced Features

The units are available with microprocessor control featuring:-

- 3 and 6 bar pump with continuously rated single phase motor
- Anti seizing pump exercise
- 2 assignable volt free contacts for boiler/chiller interlock
- Reprogrammable displayed contact telephone number in event of a fault
- Built in thermal motor protection
- Interconnecting pipework and fittings
- Audible and visual alarm indication with mute
- Pump dry run protection with programmable delay for break tank refilling
- Suitable for use as a fill set, thereby eliminating the need for RPZ valves (safe fill kit needed)
- Replaceable pump protection fuses
- Programmable burst pipe protection
- Removable terminals for ease of wiring
- Break tank with ball valve and type AA air gap (Cat 5)
- Password protection.
- Pump hours run log
- TRIAC control for reliability and spark free pump operation
- Removable cover for ease of service

And a further increase in the capability of the enhanced units is achieved by the fitting of:-

- Twin Pump Package - system circulation
- VF model - provides relay board with 3 volt free contacts - Assignable, 5 amp (2.5 amp non-inducting 230-1-50)
- Plus Model - provides 7 no-load relays for BMS Telemetry only
- 6 bar pumps for the fill set

It is Smedegaard's policy to continually improve and develop its product range. We reserve the right to change specifications without prior notice. Whilst every care has been taken to ensure the data is correct, no responsibility can be taken for inaccuracies or misprints.