

PRESSURE MAINTAINING STATIONS



FEATURES

- Used for maintaining chilled / hot water system pressure in HVAC applications
- Expansion water stored in replaceable rubber bladder, at ambient pressure
- Microprocessor based controller with display
 - Senses & maintains system pressure
 - Operates spill control valve to release water during expansion / pressure increase
 - Starts multistage pumps during contraction / pressure decrease
 - Soft start /stop facility
 - Programmable deaeration schedule
- Double pump, 1 working + 1 stand-by
- Multistage, high pressure centrifugal pumps - quiet, reliable and rugged
- All components, i.e. Pumps, pressure transmitter, valves, interconnecting piping and control panel factory mounted on a compact steel frame.



BENEFITS

- Ensure positive pressure throughout the system thus preventing vapour / air locks
- Removes dissolved air and microbubbles
- Reduces corrosion in piping and sludge formation
- Automatic operation.
- BMS Compatible

TECHNICAL DATA

Model : PMS-245 PMS-290 PMS-2135

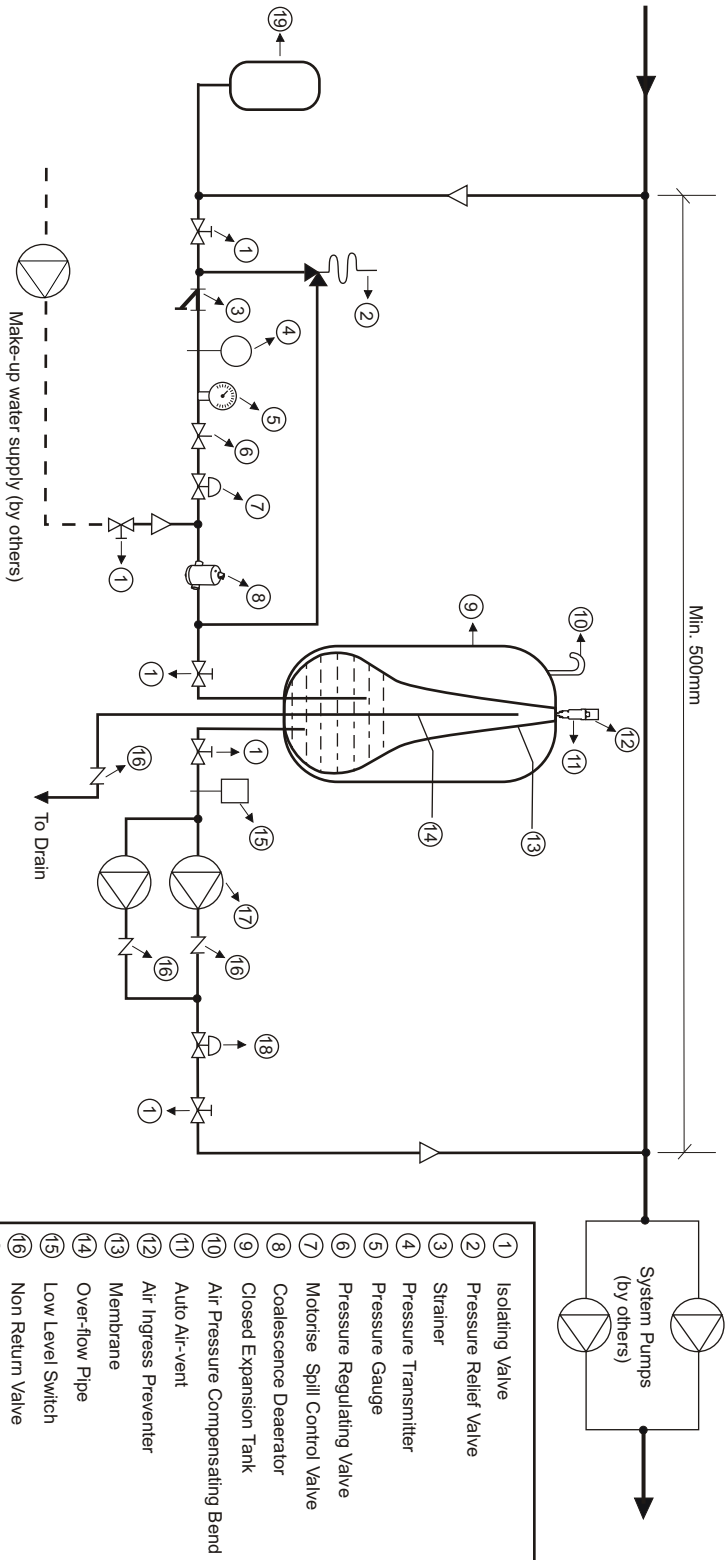
Pump

Type	:Multistage, centrifugal
Power(KW)	: 0.75 2.2 2.2
Power supply (AC, 50Hz)	: 415V, 3Ph
Max flow rate (CMH)	: 2 2 2
Max dynamic head (mWC)	: 45 90 135
Max. fluid temperature	: 50°C
Protection	: IP55

Controls

Pressure Range	: 0 to 10 bar . . . 0 to 20 bar . . .
Pressure Differential	: 1 bar
Control Panel Protection	: IP55

Schematic drawing of Hydronic Pressurisation Systems



- ① Isolating Valve
- ② Pressure Relief Valve
- ③ Strainer
- ④ Pressure Transmitter
- ⑤ Pressure Gauge
- ⑥ Pressure Regulating Valve
- ⑦ Motorised Spill Control Valve
- ⑧ Coalescence Deaerator
- ⑨ Closed Expansion Tank
- ⑩ Air Pressure Compensating Bend
- ⑪ Auto Air-vent
- ⑫ Air Ingress Preventer
- ⑬ Membrane
- ⑭ Over-flow Pipe
- ⑮ Low Level Switch
- ⑯ Non Return Valve
- ⑰ Pressurisation Pump
- ⑱ Flow Control Valve
- ⑲ Pressurised Expansion Tank