

PHV Series *Designer* - Recessed Mounted

Combining contemporary design with outstanding performance.



Specification Text / Tender Text

> Coils

Units with water heating coils are manufactured from copper tube, mechanically expanded to die cut aluminium fins with female BSP connections. Factory tested to 20 bar air under water testing and rated for working pressures of up to 8 bar. Externally mounted mid-position valve offers no heat (ambient), half heat or full heat settings.

> Casing

Structural welded Zinc coated frame to house critical components with an outer oval skin that is available in either brushed stainless, polished stainless or painted finishes.

> Outlet / Discharge Grills

The discharge grille is an extruded aluminium teardrop profile that allows deflection of the air stream to either the inside or outside of the building to overcome external pressures.

> Fans

Each unit has a factory balanced tangential fan powered by a 4 pole AC split phase capacitor motor with integral thermal protection. The high specification motors incorporate “sealed for life” bearings, are anti-vibration mounted to give an expected life in excess of 40,000 running hours. Connection is via a plug in connector in the unlikely event of needing to be removed.

> Filters

Reticulated limited-reusable foam filters reduce the ingress of dirt and dust protecting the unit's internals.

> Controls

The PHV Designer Series uses a factory installed intelligent, controller with the following features included:

- Multiple fan speed selection - 3 speeds available
- Multiple heating level selection - 3 levels available (Water and Electric units only)
- Dry contact for supervisory system connection or door switch
- Programmable input for air temperature thermostat
- Thermal protection reset
- Master/slave control
- Wall Controller - Durable injection moulded ABS housing, contains the printed circuit board. Rubberised buttons to provide user adjustment of 3 fan speeds, 3 heat levels, on/off switch and automatic/manual heating control.
- Optional Modbus and Bacnet interface module for easy connection to a BMS system.

> Electric Heating Elements (Electric Units Only)

Factory installed and wired, thermally protected and constructed with a galvanised steel frame, with helical coil suspended elements. Elements are typically powered with 3 phase with single phase options available on request.

> Wall Mounting Bracket

Cold rolled and laser cut mild steel powder coated bracket finished to colour match the unit's casing to allow installation of the unit in line with the installation instructions.

> Ceiling Mounting Bracket

Cold rolled and laser cut mild steel powder coated bracket finished to colour match the unit's casing to allow installation of the unit in line with the installation instructions.

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