

# envirotec

Series MOD

## Modular door curtain



These fully recessed Warm Air Curtains are available in Hot Water, Steam, Electric and Ambient forms. They are designed for concealed fixing with only the grille on view, replacing multiples of 600mm square ceiling tiles.

Standard units have a maximum recommended mounting height of 3.0 metres (10 feet).

A throwaway type filter is included as standard which not only ensures that the supply air is filtered but also protects the internal components thus minimising maintenance. Washable filters can be fitted if preferred. Changing of filter,

together with access for maintenance is readily gained through the combined hinged return/discharge eggcrate grille.

Units can be installed singly or can be 'Banked' to provide one continuous air curtain.

**a range of air conditioning equipment including:-  
envirolators, door curtains, smoke fans,  
axial & bifurcated fans, air handling units,  
fan coil units, twin extract units, custom built units.**

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# SPECIFICATIONS

## FANS

Double inlet, Double Width, directly driven centrifugal type for quietness of operation, producing approximate outlet velocity of 7.5 m/s.

## MOTORS

220/240 volts, single phase, 50Hz two speed type. Resiliently mounted into fan casings and with 'sealed-for-life' bearings. Manufactured to latest European Standards.

**Mod 1200, 1500 & 1800** 0.2kW, F.L.C 2.5 Amps, S.C. 6.5 Amps  
**Mod 2100** 0.4kW, F.L.C 5.0 Amps, S.C. 13.0 Amps

## UNIT CONSTRUCTION

Robustly made from Zinc plated mild steel, finished in white powdercoat RAL 9010. Other colours available on request.

## HEAT EXCHANGER

**Hot water - Type 'W'** - Aluminium fins bonded to copper tubing, pressure tested to 22 bar. Unit sizes **MOD 1200, 1500 & 1800** terminating in 1" BSP connections, while **MOD 2100** terminating in 1 1/4" BSP connections. Alternatively, top coil connections can be provided

**Steam - Type 'S'** - As above, or flanged to relevant specification. Duties to suit application.

**Electric - Type 'E'** - Generally 3-phase, 3 element finned type, constructed from high quality 80/20 nickel chrome resistance wire centred in metal tubes by compressed magnesium oxide. Open coil type mounted on fully insulated supports on certain models. A manual reset high limit cut-out is fitted in accordance with normal safety requirements. Standard wiring for electric units is to GSS513/DN for controls by others, or GSS526 which includes a 3-heat and fan only facility via the supplied control switch. Provision for thermostat or timeclock operation is also included. Alternatively, wiring to client specification can be accommodated.

## RETURN/DISCHARGE GRILLE

Eggcrate type constructed from natural anodised aluminium frame and having a hinged core powdercoated white RAL 9010 and giving access to filter and fan motors for maintenance.

## NOMINAL OUTPUTS

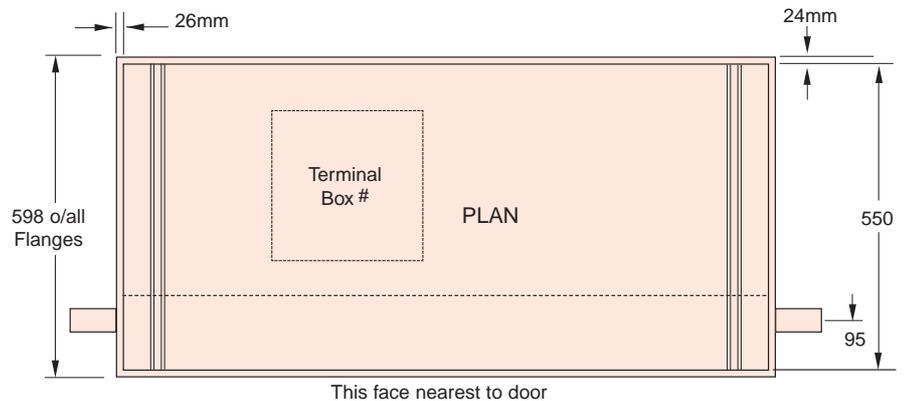
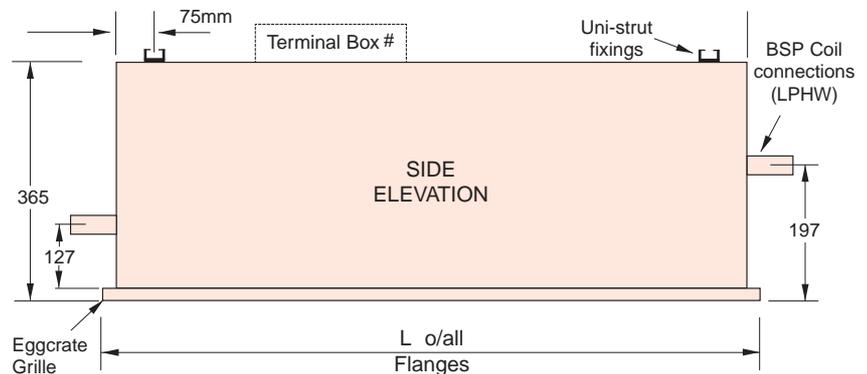
MODEL	LENGTH 'L'	LPHW HEATING kW	FLOW RATE l/s	HYDRAULIC RESISTANCE Kpa	ELECTRIC HEATING kW	WEIGHT (Unpacked) kg
<b>MOD 1200*</b>	1198	20.2	0.449	4.47	9 or 12	46
<b>MOD 1500*</b>	1498	26.4	0.588	7.94	12 or 18	60
<b>MOD 1800*</b>	1798	28.9	0.665	10.58	12 or 18	75
<b>MOD 2100*</b>	2098	41.7	0.928	11.79	18 or 24	92

\* W, E, S or A should be suffixed to the model reference to denote Water, Electric, Steam or Ambient.

LPHW outputs are based on water @ 82°C flow/71°C return with entering air at 10°C. Special sizes and alternative kilowatt outputs for both electric and water formats are available to order.

*Options include:*

Special paint finishes, wiring to customer's specification and special outputs and sizes etc.



# For units with up to 18kW electric heaters and contactors, a control box 225 x 225 x 100mm will be supplied either loose or fitted to the unit. For higher outputs, a larger box may be supplied. Please specify any site restrictions that will prevent mounting the control box on the outside of the unit.

## FILTER

50mm throwaway or washable type located behind eggcrate grille.

<b>MOD 1200</b>	1 off 1140 x 380 x 50mm
<b>MOD 1500</b>	2 off 720 x 380 x 50mm
<b>MOD 1800</b>	2 off 865 x 380 x 50mm
<b>MOD 2100</b>	3 off 680 x 380 x 50mm