



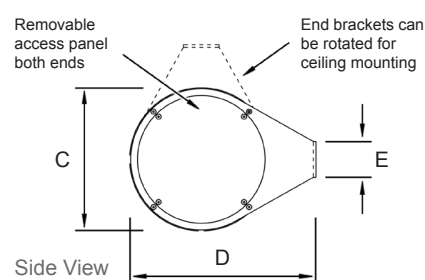
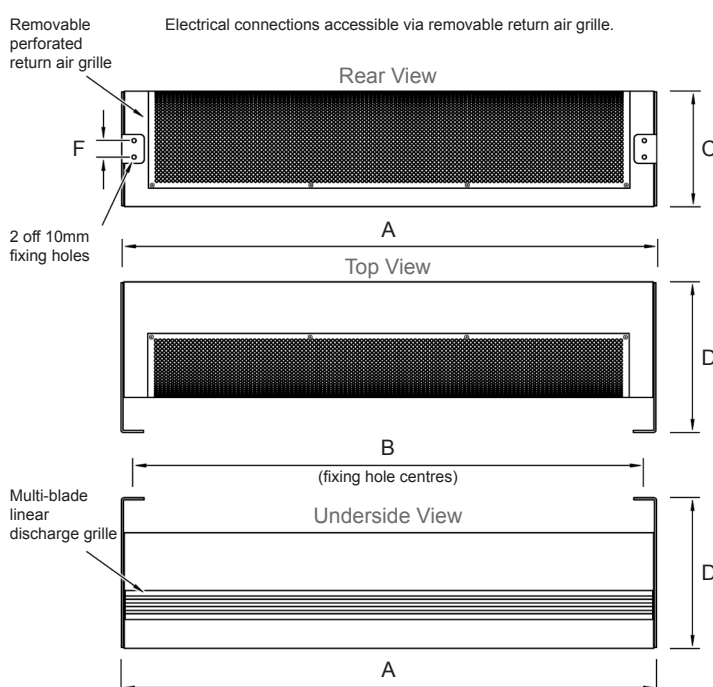
To discuss your requirements in more detail please contact one of our experts on freshthinking@envirotec.co.uk or call 01494 525 342

Circular Mini Screen - CMS

The CMS unit is designed for "exposed" applications and suitable for mounting at up to 2.7 metres. When fitted with LPHW heat exchangers, the wide coil fin spacing prevents dust build up, ensuring efficient operation with low maintenance. The unit is also available with electric heaters or as an ambient unit.

Mounting Height: up to 2.7 metres
Diameter: 280 mm
Std Widths: 1050, 1200, 1500 & 2000mm
Mounting: Bolted to building structure using dual position mounting brackets
Heat options: Ambient, LPHW & Electric
Spec options: Finish, colour, controls

Dimensions



With LPHW units, the 15mm coil connections terminate at both ends, inside the CMS casing.

To increase flexibility, the CMS case should be drilled by installer to suit pipe requirements.

With both LPHW & electric units, controls electronics will be provided in a remote box, typical size 325 x 325 x 180mm

Unit Ref	A	B	C	D	E	F
	mm	mm	mm	mm	mm	mm
CMS 1050/280	1050	990	280	365	70	40
CMS 1200/280	1200	1140	280	365	70	40
CMS 1500/280	1500	1440	280	365	70	40
CMS 2000/280	2000	1940	280	365	70	40

For further details, please refer to drawing GA2085

Heater Output - LPHW

Unit Ref	Width	Air Vol	Coil Conns	Flow / Return 82/71°C				Flow / Return 80/60°C				Flow / Return 70/50°C			
				Air Off	Flow	PD	Output	Air Off	Flow	PD	Output	Air Off	Flow	PD	Output
	mm	m³/s	mm	°C	l/s	kPa	kW	°C	l/s	kPa	kW	°C	l/s	kPa	kW
CMS 1050/280 W	1050	0.3	15	29.5	0.10	2.82	4.25	27.1	0.04	0.66	3.36	24.5	0.03	0.38	2.40
CMS 1200/280 W	1200	0.3	15	28.8	0.12	4.67	5.32	26.6	0.05	1.11	4.24	24.5	0.04	0.70	3.20
CMS 1500/280 W	1500	0.5	15	29.3	0.16	9.10	6.96	27.2	0.07	2.24	5.66	25.0	0.05	1.43	4.31
CMS 2000/280 W	2000	0.7	15	29.9	0.23	24.20	10.26	27.9	0.10	6.19	8.53	25.7	0.08	4.10	6.64

Note - all LPHW heater selections are based on a return temperature of 18°C.

Please contact our sales department should you require a heater sized to different water or air-on temperatures.

Heater Output - Electric

Unit Ref	Width	Air Vol	3 kW		6 kW		9 kW		12 kW	
			Air Off	PH	Air Off	PH	Air Off	PH	Air Off	PH
	mm	m³/s	°C		°C		°C		°C	
CMS 1050/280 E	1050	0.3	23.3	1	31.5	1	-	-	-	-
CMS 1200/280 E	1200	0.3	-	-	31.5	1	-	-	-	-
CMS 1500/280 E	1500	0.5	-	-	24.9	1	29.9	3	34.8	3
CMS 2000/280 E	2000	0.7	-	-	22.1	1	25.6	3	29.2	3

Note - all electric heater selections are based on high fan speed and a return temperature of 15°C.

PH = Phase.

Wiring & Controls

Ambient units

Wired to GSS544/RS

Single phase power supply (230/1/50)

LPHW units

Wired to: Enetec 18-Water-Remote-Transformer

Single phase power supply (230/1/50)

Electric Units

Single Phase units - wired to: Enetec 18-1PH-CMS

Three Phase units - wired to: Enetec 18-3PH-CMS



General Data

Unit Ref	Width	Air Vol	Motor		Weight	
			FLC	Ambient	LPHW	Electric
	mm	m³/s	Amps	kg	kg	kg
CMS 1050/280	1050	0.3	0.65	25	27	27
CMS 1200/280	1200	0.3	0.65	27	29	29
CMS 1500/280	1500	0.5	0.65	31	34	34
CMS 2000/280	2000	0.7	1.30	42	46	45

Unit weights are approximate

Note:

Units supplied with controls electronics provided in a remote galvanised box size 325 x 325 x 180mm

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