



Brushed stainless steel VCAC 2200/380

Vertical Circular Air Curtain - VCAC

Vertical Air Curtains are designed to suit high profile applications where performance and aesthetic considerations are of equal importance.

Whether installing the popular Circular units, or the more industrial rectangular style, Vertical Air Curtains offer advantages compared to traditional over door air curtains.

- Heat is evenly distributed over entire height of entrance
- Guaranteed heat at floor level, increasing 'customer' comfort
- Access for maintenance at the sides, disruption for maintenance is minimised
- Discreet supply of services with pipe and cable runs usually run below floor level
- No door support structure or drop rods required

Door width:	up to 2.7metres for single units, 5.0 metres for a pair of units
Standard diameter:	520mm or 380mm
Typical height:	2200, 2600, 3000mm
Mounting:	Floor mounted with external flange
Heat options:	Ambient, LPHW & Electric
Spec options:	Finish, colour, controls



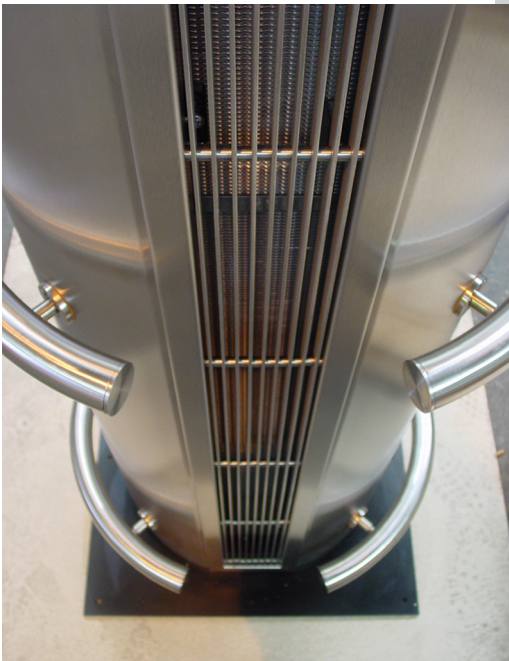
Detail of the return air grille. A fine perforated mesh is fitted behind the main grille to visually mask the internal components.



VCAC 2200/520 with a square base plate, sized to match the floor design.



A custom built VCAC sized to match the available ceiling height of 2450mm and fitted with a circular mounting flange.



A brushed stainless steel VCAC fitted with matching bumper bars and non-standard flanged grille requested by client.



A pair of VCAC 2200/380 units with internal base plate.

Heater Output - LPHW

Ref	Height / Dia mm	Air Vol m³/s	Coil	Flow / Return 82/71°C				Flow / Return 80/60°C				Flow / Return 70/50°C			
			Connection	Air Off °C	Flow l/s	PD kPa	Output kW	Air Off °C	Flow l/s	PD kPa	Output kW	Air Off °C	Flow l/s	PD kPa	Output kW
VCAC 2200/520 W		1.50	1" BSP	33.4	0.78	14.0	33.9	31.5	0.38	11.2	30.3	28.0	0.30	7.3	23.9
VCAC 2600/520 W		1.88	1.25" BSP	33.3	0.97	22.3	42.3	31.4	0.48	18.4	37.8	28.0	0.37	12.1	30.0
VCAC 3000/520 W		2.25	1.25" BSP	33.3	1.16	20.3	50.6	31.4	0.57	25.4	45.3	28.1	0.45	17.5	36.2
VCAC 2200/380 W		0.50	15 mm	33.7	0.26	3.4	11.5	30.3	0.12	0.8	9.4	37.8	0.17	2.8	14.0
VCAC 2600/380 W		0.60	15 mm	34.1	0.32	5.4	14.1	30.8	0.15	1.3	11.7	38.4	0.21	4.5	17.2
VCAC 3000/380 W		0.70	15 mm	34.3	1.38	8.0	16.6	31.2	0.17	1.9	13.9	38.7	0.25	6.7	20.4

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

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

Heater Output - Electric

Ref	Height / Dia mm	Air Vol m³/s	12 Kw		15Kw		18 Kw		21 Kw		24 Kw		27 Kw		30 Kw	
			Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH
VCAC 2200/520 E		1.50	21.6	3	23.3	3	21.6	3	24.9	3	26.6	3	-	-	-	-
VCAC 2600/520 E		1.88	20.3	3	21.6	3	20.3	3	22.9	3	24.2	3	25.6	3	-	-
VCAC 3000/520 E		2.25	19.4	3	20.5	3	19.4	3	21.6	3	22.7	3	23.8	3	26.0	3

Ref	Height / Dia mm	Air Vol m³/s	9 Kw		12Kw		15 Kw		18 Kw		21 Kw		24 Kw		27 Kw	
			Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH	Air Off °C	PH
VCAC 2200/380 E		0.50	29.9	3	-	-	-	-	-	-	-	-	-	-	-	-
VCAC 2600/380 E		0.60	27.4	3	31.5	3	-	-	-	-	-	-	-	-	-	-
VCAC 3000/380 E		0.70	25.6	3	29.2	3	32.7	3	-	-	-	-	-	-	-	-

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

PH = Phase.

General Data

Ref	Height / Dia mm	Air Vol m³/s	Coil	Motor	Weight - Painted Unit			Weight - Stainless Steel		
			Connection	FLC Amps	Ambient kg	LPHW kg	Electric kg	Ambient kg	LPHW kg	Electric kg
VCAC 2200/520		1.50	1" BSP	9.6	102	112	106	125	135	129
VCAC 2600/520		1.88	1.25" BSP	12.0	119	130	124	146	157	151
VCAC 3000/520		2.25	1.25" BSP	14.4	136	149	141	168	180	173
VCAC 2200/380		0.50	15 mm	3.7	76	83	79	93	100	96
VCAC 2600/380		0.60	15 mm	4.44	88	96	92	108	116	111
VCAC 3000/380		0.70	15 mm	5.18	101	110	104	124	133	127

Note - Unit weights are approximate

Custom Built Units

Vertical Air Curtains can be custom manufactured with the casing height adjusted to suit individual applications. The three most popular case heights are detailed on this page. Envirotec custom manufactures vertical units to any height. They can be entirely active or can contain dummy sections.

Recessed applications

Vertical air curtains can be custom built to suit most recessed applications with only the outlet grille visible.

Industrial applications

High output Vertical Air Barriers (VEAB) are also available. These rectangular Air Barriers are ideal for loading bays and other commercial or retail applications.



Dimensions

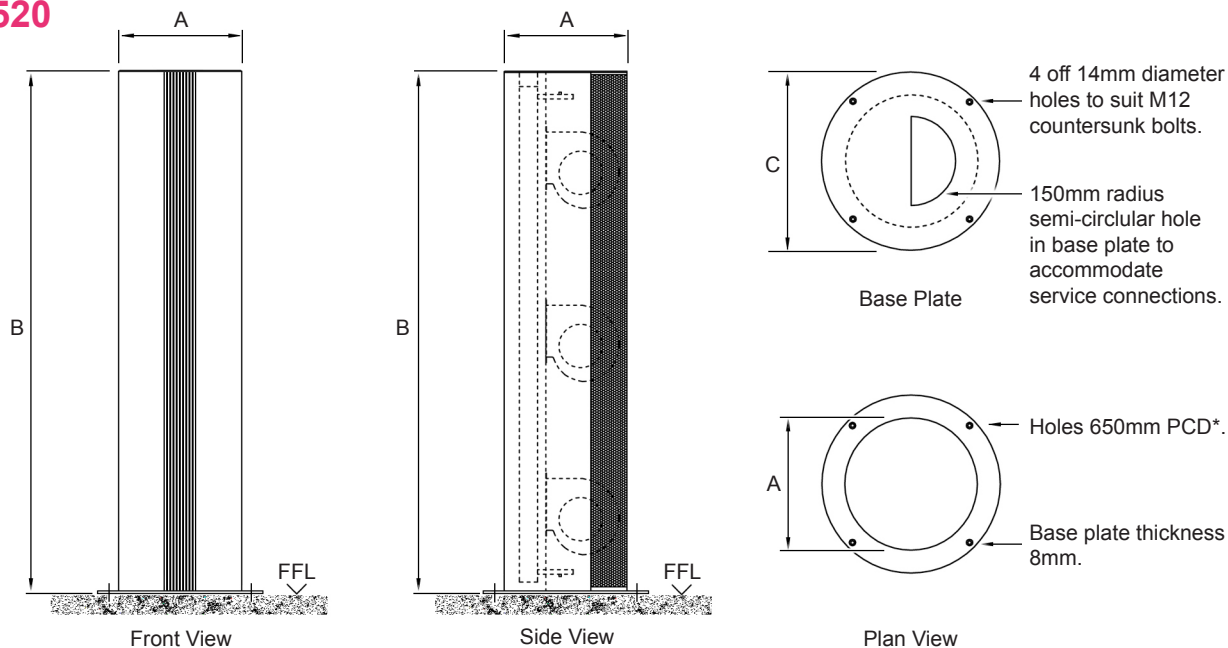
* PCD = Pitch Circle Diameter

Ref	Height / Dia mm	Air Vol m³/s	Air Curtain				Base Plate		
			A mm	B mm	C mm	PCD* mm	Thickness mm	Hole qty	Hole Dia mm
VCAC	2200/520	1.50	520	2200	700	650	8	4	14
VCAC	2600/520	1.88	520	2600	700	650	8	4	14
VCAC	3000/520	2.25	520	3000	700	650	8	4	14
VCAC	2200/380	0.50	380	2200	500	450	8	4	14
VCAC	2600/380	0.60	380	2600	500	450	8	4	14
VCAC	3000/380	0.70	380	3000	500	450	8	4	14

VCAC Air Curtains are powder coated using commercially available RAL or BS colours. Brushed stainless steel is available as an option. Outlet linear grilles are mill finish aluminium, but are usually powdercoated black when supplied with brushed stainless steel case.

Please contact our sales department should you require different height units, different heater output or special case finishes.

VCAC 520



VCAC 380

