



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

CAC - Circular Air Curtain

Ideal for 'on-view' free-hanging applications.

Our CAC circular range of air curtains are perfect for those applications where a stylish solution is required combined with powerful, efficient performance. With a mounting height of up to 3m for the standard model, the CAC units are available in a wide selection of sizes and can be used with our latest controller, Enetec 18. Our high output model is perfect for those projects that demand a mounting height of 4m.

Mounting Height:	up to 4.0 metres
Controller:	Enetec 18
Std Widths:	1220, 1500, 1800 & 2000mm
Heat options:	Ambient, LPHW & Electric
Spec options:	Finish, colour, controls

Mounting Height	Standard	3.0m
	High output	4.0m
Standard Lengths	1.2m	
	1.5m	
	1.8m	
	2.0m	
Variants	Ambient	
	Water (LPHW) Electric	
Colour	Casing & grilles powder coated RAL 9010	
	- Pure White	

-  Powerful air flow & heat output
-  Two different diameter units
 - 380mm
 - 520mm
-  Suitable for a wide range of applications
-  Vertical version available - VCAC
-  Bespoke options include;
 - Any RAL paint colour
 - Sizes
 - Controls

Envirotec Circular Air Curtain - CAC

Architects, consultants and end users often require an Air Curtain that combines powerful performance with stylish good looks and ease of maintenance. The Circular Air Curtain was specifically developed to satisfy this need.

A standard range has now been created although this is constantly expanding to meet new client's requests for something a little different. The Envirotec philosophy of flexibility and a product designed for any application means that we are very keen to tailor these and other products to incorporate individual client's requirements.

Specification

Unit Construction

- All units are constructed using powder coated zinc-plated steel
- Units supplied with grilles and casework finished to RAL 9010 (Pure White)
- Units can be finished in any commercially available RAL colour subject to additional cost. Please contact our sales office for details.
- Brushed stainless steel casing available on request. When this option is requested, grille will be supplied RAL 9005 (Gloss Black)

Grille Details

- Unit is supplied with a perforated return air grille & contoured linear discharge grille powder coated to match the unit casing
- When unit is supplied with brushed stainless steel casing, discharge grille is finished in RAL9005 - Gloss (Black)
- All grilles can be powder coated to suit client requirements

Mounting Details

- The CAC 380 range and the "standard" range of CAC 520 units are suitable for a mounting height of 3.0m
- The "high output" CAC 520 model can be mounted at 4m
- A wide range of mounting brackets has been developed and is available to suit differing site requirements.
- Rear mounted 6mm plate cantilever brackets are supplied as standard
- Drop rod mounts can also be supplied. Please contact our sales office for further information.

LPHW Air Curtain (suffix "W")

- Tube material: copper
- Fin material: aluminum
- Coil connections:
 - Plain copper connections
 - CAC 380 15mm
 - CAC 520 22mm
 - Connections terminating outside the unit for easy connections to services
- All coils pressure tested to 22 bar (350lbs/in²)

Electric Air Curtain (suffix "E")

- Multi element finned heaters
- Suitable for both single and three-phase supplies.
- High temperature cutout installed as standard.

Ambient Air Curtain (suffix "A")

- Where heating is not required, ambient units can be manufactured.



Technical Specification

380mm DIAMETER AIR CURTAINS - (maximum mounting height 3.0 metres)

	Unit dimensions			Coil conns	Air volume	LPHW Heating 82-71°C				LPHW Heating 80-60°C				Electric heating	
	Length	Diameter	Weight			Output	Flow	WPD	Air Off °C	Output	Flow	WPD	Air Off °C	Output	Air Off
	mm	mm	kg			kW	l/s	kPa	°C	kW	l/s	kPa	°C	kW	°C
CAC 915/380	915	380	37	15	0.2	4.2	0.09	2.0	35.5	3.6	0.05	0.50	33.0	6	43.0
CAC 1220/380	1220	380	45	15	0.2	6.5	0.14	4.0	45.1	5.5	0.07	1.00	40.9	6	43.0
CAC 1500/380	1500	380	59	15	0.4	8.6	0.19	7.0	35.9	7.3	0.10	1.75	33.2	9	36.8
CAC 1800/380	1800	380	70	15	0.5	10.9	0.24	11.0	36.2	9.3	0.12	2.75	33.5	12	38.0
CAC 2000/380	2000	380	78	15	0.5	11.6	0.25	14.0	37.3	9.9	0.13	3.5	34.5	12	38.0

520mm DIAMETER AIR CURTAINS - STANDARD OUTPUT (maximum mounting height 3.0 metres)

	Unit dimensions			Coil conns	Air volume	LPHW Heating 82-71°C				LPHW Heating 80-60°C				Electric heating	
	Length	Diameter	Weight			Output	Flow	WPD	Air Off °C	Output	Flow	WPD	Air Off °C	Output	Air Off
	mm	mm	kg			kW	l/s	kPa	°C	kW	l/s	kPa	°C	kW	°C
CAC 1220/520	1220	520	73	22	0.42	15.2	0.34	6.5	48.2	12.9	0.17	1.63	43.6	9	35.9
CAC 1500/520	1500	520	86	22	0.63	21.5	0.48	13.7	46.4	18.3	0.24	3.43	42.2	12	33.9
CAC 1800/520	1800	520	99	22	0.63	24.0	0.53	20.5	49.7	20.4	0.27	5.13	45.0	12	33.9
CAC 2000/520	2000	520	105	22	0.84	25.5	0.57	23.1	43.3	21.7	0.29	5.78	39.5	15	32.9

Note: Units with electric heaters fitted would usually require a three-phase supply

Wiring & Controls - Ambient Units

- Wired to: GSS634/A
- Terminal strip wiring available on request to allow for controls "by others"
- Single phase supply (230/1/50)

Wiring & Controls - LPHW Units

- Wired to: Enetec 18 - Water - AC Fans
- Complete with wall mounted control panel.
- Single phase supply (230/1/50)

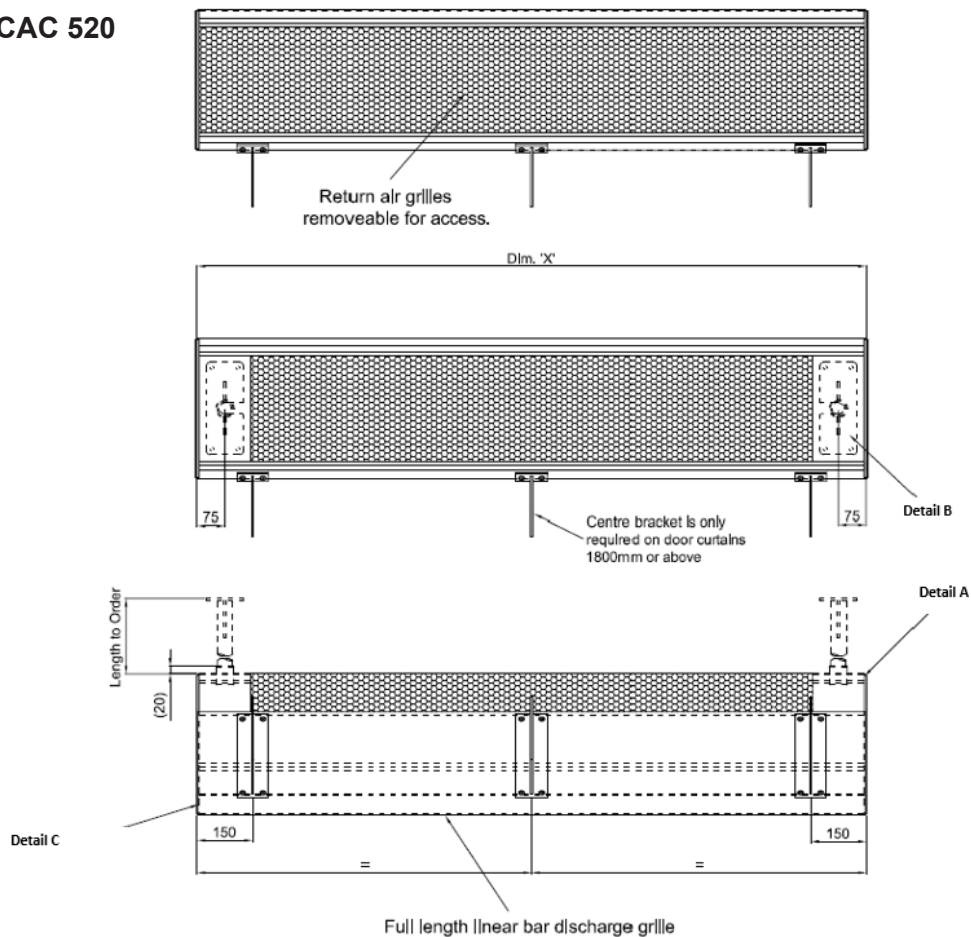
Wiring & Controls - Electric Units

- Wired to: Enetec 18 - Electric - AC Fans
- Complete with wall mounted control panel.
- Three-phase supply (415/3/50)



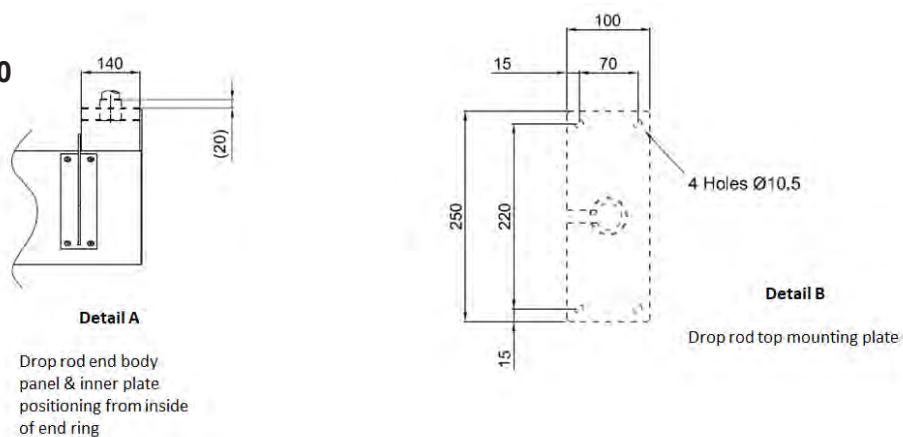
CAC - Circular Air Curtain - Dimensions

CAC 380 & CAC 520

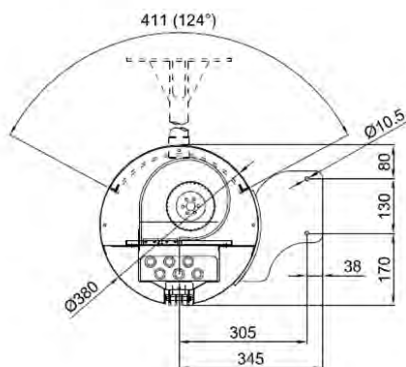


CAC Brackets - Dimensions

CAC 380 & CAC 520



CAC 380



CAC 520

