

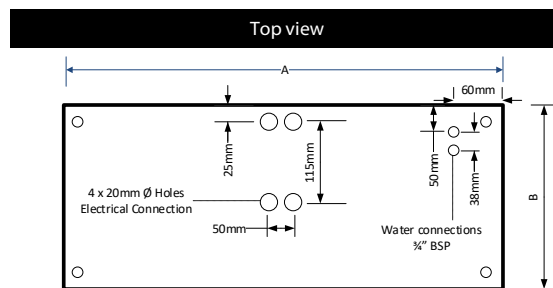
Free Hanging Standard Duty air curtains

This elegant slimline range of powerful modular air curtains, built to a high quality, are suitable for pedestrian doorways up to a height of 2.7 metres and a width of 2 metres. They are used in shops, offices, retail outlets, manufacturing facilities, reception areas and warehouses. These units are available with hot water coils and finished in a high quality epoxy polyester powder RAL 9010. (Other colours are available on request).

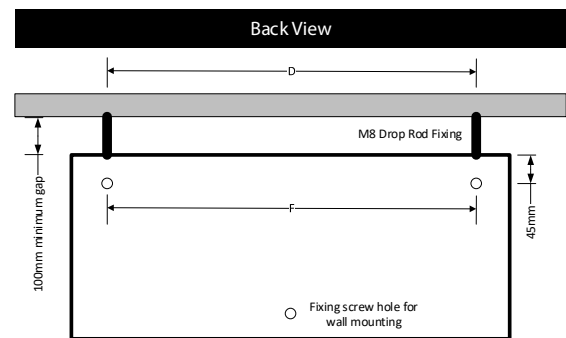
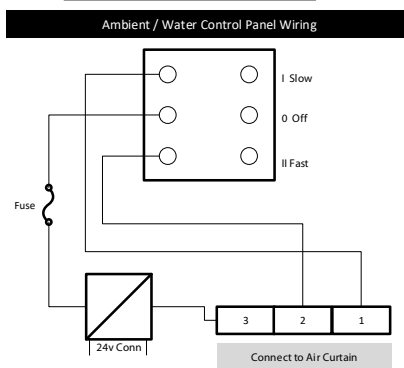
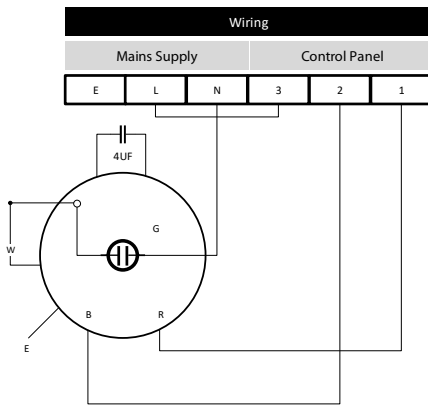
This range meets with the specifiers and end users' needs - low cost, continuously rated, and easy to install and service.



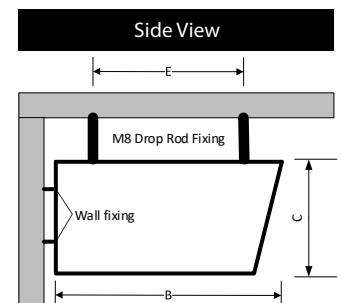
Model	Heat Output (80/60°C)	Max current	Motor Power	Voltage	Max Air Vol m ³ /h	Max Height	Noise Level d(B) A	Weight kg
ACD 10A	N/A	0.52A	60W	220V/1ph	1490	2.7m	55/52	20
ACD10W	8kW	0.52A	60W	220V/1ph	1300	2.7m	54/51	24
ACD 15A	N/A	0.52A	60W	220V/1ph	2200	2.7m	56/53	30
ACD15W	12kW	0.52A	60W	220V/1ph	2000	2.7m	55/52	36
ACD20A	N/A	1.04A	120W	220V/1ph	2980	2.7m	58/55	40
ACD20W	16kw	1.04A	120W	220V/1ph	2600	2.7m	57/54	48



Model	Unit Dimensions		
	A mm	B mm	C mm
ACD10A	1100	300	200
ACD10W	1100	300	200
ACD15A	1600	300	200
ACD15W	1600	300	200
ACD20A	2200	300	200
ACD20W	2200	300	200



Model	Unit Fixing Positions		
	D mm	E mm	F mm
ACD 10A	1040	190	1040
ACD10W	1040	190	1040
ACD 15A	1540	190	1540
ACD15W	1540	190	1540
ACD20A	2140	190	2140
ACD20W	2140	190	2140



Free Hanging Standard Duty Outputs

ACD10W				
Water Temp (Deg C)	80/60	82/71	90/70	110/90
Heater Output (Kw)	8	8.66	8.5	10.1
Water pressure Drop (Kpa)	2	7.5	2.5	3.3
Water flow rate (l/s)	0.09	0.19	0.1	0.13
EAT (deg C)	16	16	16	16
LAT (deg C)	34.1	37.2	36.8	41
Air volume	0.36	0.36	0.36	0.36

ACD15W				
Water Temp (Deg C)	80/60	82/71	90/70	110/90
Heater Output (Kw)	12	12.3	12.2	14.4
Water pressure Drop (Kpa)	5.4	18.5	6.2	8
Water flow rate (l/s)	0.14	0.28	0.15	0.18
EAT (deg C)	16	16	16	16
LAT (deg C)	33.9	35.6	35.5	39.1
Air volume	0.55	0.55	0.55	0.55

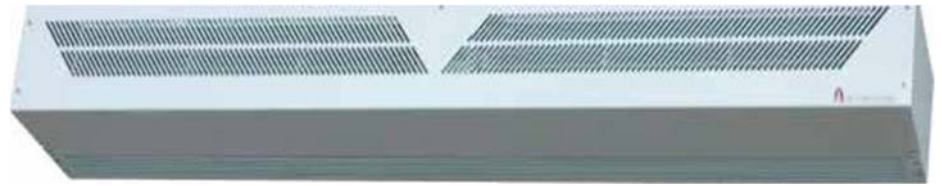
ACD20W				
Water Temp (Deg C)	80/60	82/71	90/70	110/90
Heater Output (Kw)	16	17.32	17	20.2
Water pressure Drop (Kpa)	2	7.5	2.5	3.3
Water flow rate (l/s)	0.18	0.38	0.2	0.26
EAT (deg C)	16	16	16	16
LAT (deg C)	34.1	37.2	36.8	41
Air volume	0.72	0.72	0.72	0.72

Free Hanging Heavy Duty air curtains

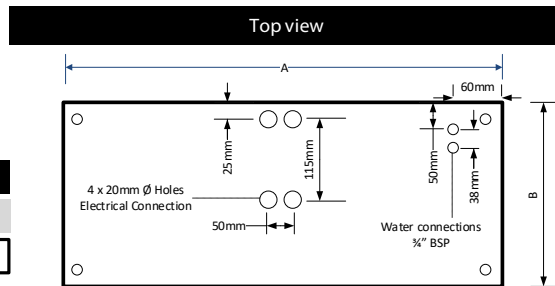
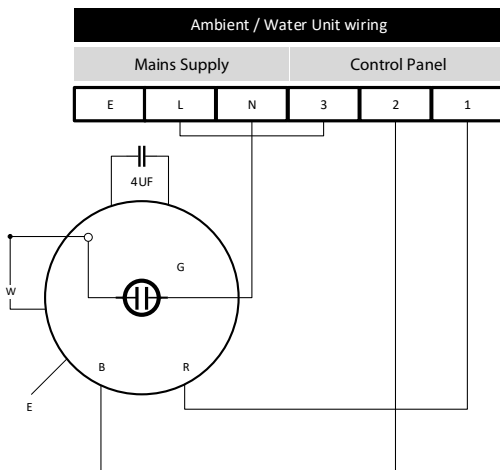
The heavy duty models enjoy the same elegance and high quality as the standard output models but are more robust and built to offer greater performance.

Ideal for use in warehouses, petrol/ railway stations and general industrial applications. Suitable for a height of up to 4 meters.

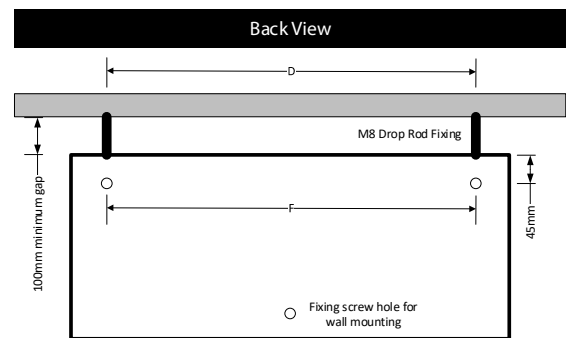
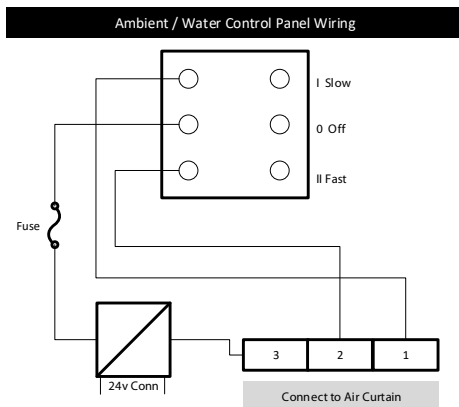
These units are supplied with hot water coils and are epoxy powder coated RAL 9010. (Other colours are available on request).



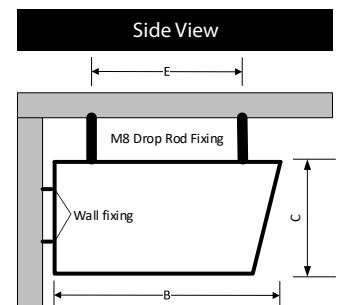
Model	Heat Output	Max current	Motor Power	Voltage	Max Air Vol m3/h	Max Height	Noise Level d(B)A	Weight kg
HD 10A	N/A	1.39A	180W	220V/1ph	1810	4m	69/66	25
HD 10W	11kW	1.39A	180W	220V/1ph	1660	4m	68/65	29
HD 15A	N/A	1.39A	180W	220V/1ph	2900	4m	71/68	35
HD 15W	16kW	1.39A	180W	220V/1ph	2700	4m	70/67	41
HD 20A	N/A	2.78A	360W	220V/1ph	3620	4m	72/69	50
HD 20W	22kW	2.78A	360W	220V/1ph	3320	4m	71/68	58



Model	Unit Dimensions		
	A mm	B mm	C mm
ACD 10A	1100	350	250
ACD 10W	1100	350	250
ACD 15A	1600	350	250
ACD 15W	1600	350	250
ACD 20A	2200	350	250
ACD 20W	2200	350	250



Model	Unit Fixing Positions		
	D mm	E mm	F mm
ACD 10A	1040	245	1040
ACD 10W	1040	245	1040
ACD 15A	1540	245	1540
ACD 15W	1540	245	1540
ACD 20A	2140	245	2140
ACD 20W	2140	245	2140



Free Hanging Heavy Duty Outputs

HD10W				
Water Temp (Deg C)	80/60	82/71	90/70	110/90
Heater Output (Kw)	11	11.9	11.8	14
Water pressure Drop (Kpa)	4	14.7	5	6.5
Water flow rate (l/s)	0.13	0.27	0.14	0.17
EAT (deg C)	16	16	16	16
LAT (deg C)	35.6	38.9	38.7	43.4
Air volume	0.46	0.46	0.46	0.46

HD15W				
Water Temp (Deg C)	80/60	82/71	90/70	110/90
Heater Output (Kw)	16	18.6	18.5	22
Water pressure Drop (Kpa)	11.8	43.3	14.6	20
Water flow rate (l/s)	0.2	0.42	0.23	0.27
EAT (deg C)	16	16	16	16
LAT (deg C)	35	38	37.8	42.2
Air volume	0.75	0.75	0.75	0.75

HD20W				
Water Temp (Deg C)	80/60	82/71	90/70	110/90
Heater Output (Kw)	22	23.8	23.6	28
Water pressure Drop (Kpa)	4	14.7	5	6.5
Water flow rate (l/s)	0.26	0.54	0.28	0.34
EAT (deg C)	16	16	16	16
LAT (deg C)	35.6	38.9	38.7	43.4
Air volume	0.92	0.92	0.92	0.92

Recessed standard duty and heavy duty air curtains

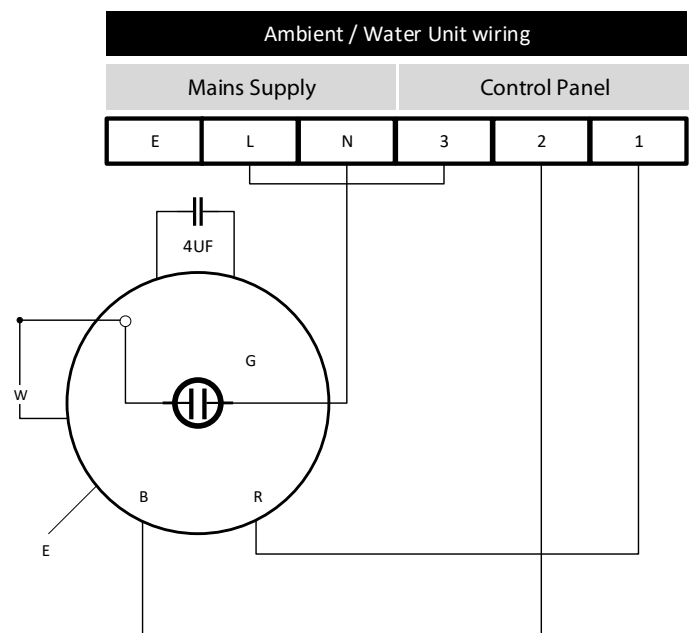
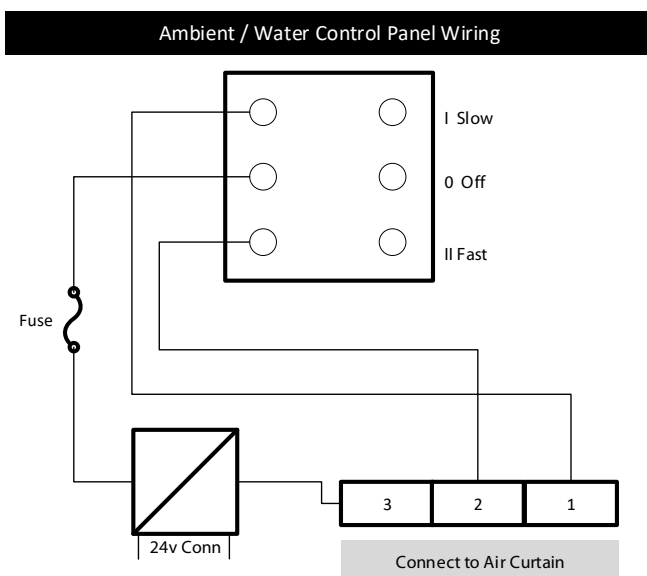
Recessed air curtains use the same high quality components as the stand alone models. They are specifically designed to fit into small recessed ceiling areas having a depth of only 250mm for the Standard Duty model or 300mm for the Heavy Duty model.

Supplied with a drop-down hinged linear grill for ease of installation and servicing, the compact recessed range is ideal when an unobtrusive air curtain is required. Supplied with hot water coils, the recessed models are suitable for ceilings up to 4 metres in height.

The linear grill is finished in high quality polyester powder coat in RAL 9010 (other colours available on request).



Model	Heat Output (80/60°C)	Max current	Motor Power	Voltage	Max Air Vol m3/h	Max Height	Noise Level d(B)A
Standard Duty							
ACD10A R	N/A	0.52A	60W	220V/1ph	1490	2.7m	55/52
ACD10W R	8kW	0.52A	60W	220V/1ph	1300	2.7m	54/51
ACD15A R	N/A	0.52A	60W	220V/1ph	2200	2.7m	56/53
ACD15W R	12kW	0.52A	60W	220V/1ph	2000	2.7m	55/52
ACD20A R	N/A	1.04A	120W	220V/1ph	2980	2.7m	58/55
ACD20W R	16kW	1.04A	120W	220V/1ph	2600	2.7m	57/54
Heavy Duty							
HD 10A R	N/A	1.39A	180W	220V/1ph	1810	4m	69/66
HD10W R	11kW	1.39A	180W	220V/1ph	1660	4m	68/65
HD 15A R	N/A	1.39A	180W	220V/1ph	2900	4m	71/68
HD15W R	16kW	1.39A	180W	220V/1ph	2700	4m	70/67
HD 20A R	N/A	2.78A	360W	220V/1ph	3620	4m	72/69
HD20W R	22kW	2.78A	360W	220V/1ph	3320	4m	71/68



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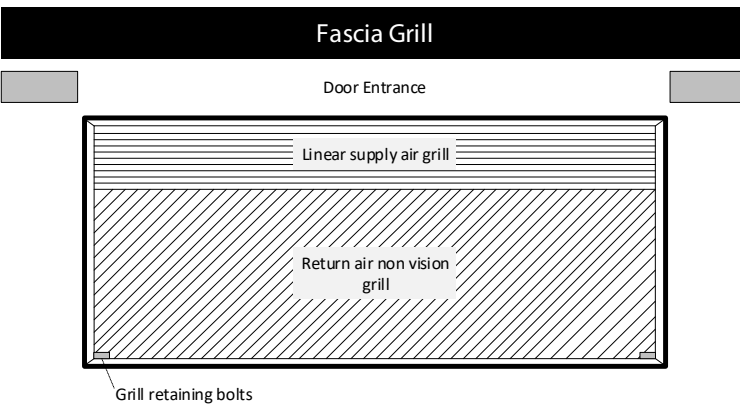
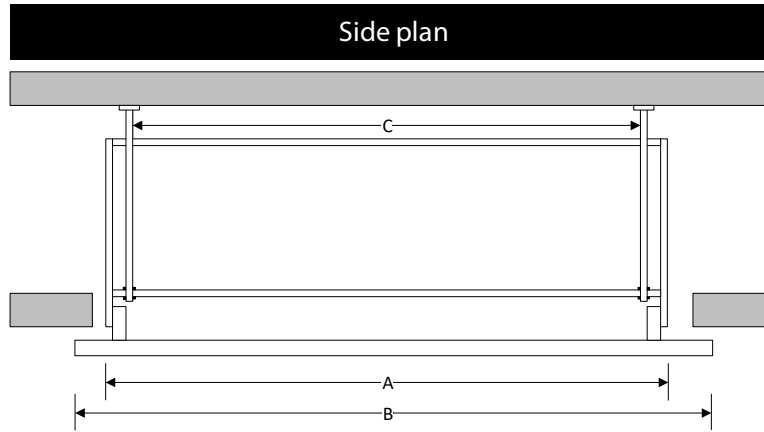
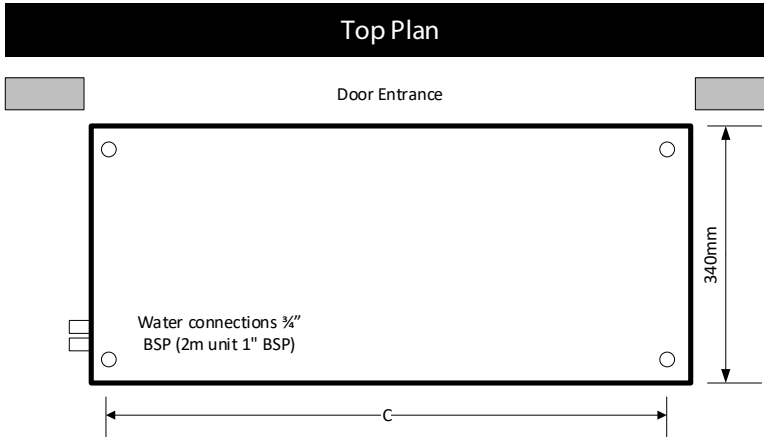
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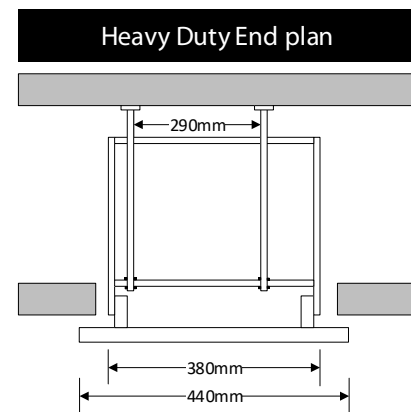
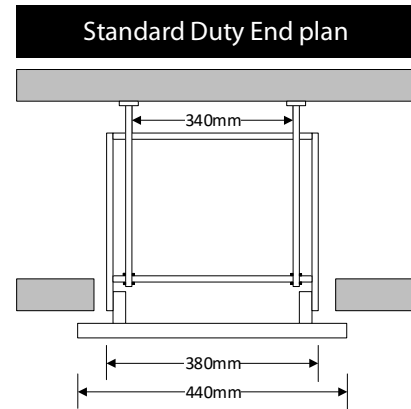
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Recessed — standard duty and heavy duty



Model	Recessed Backbox and Grill Dimensions				
	A mm	B mm	C mm	D mm	Weight
Standard Duty					
ACD10A R	1140	1200	1115	250	32
ACD10W R	1140	1200	1115	250	32
ACD15A R	1640	1700	1615	250	50
ACD15W R	1640	1700	1615	250	50
ACD20A R	2140	2200	2115	250	68
ACD20W R	2140	2200	2115	250	68
Heavy Duty					
HD 10A R	1140	1200	1115	300	36
HD 10W R	1140	1200	1115	300	36
HD 15A R	1640	1700	1615	300	52
HD 15W R	1640	1700	1615	300	52
HD 20A R	2140	2200	2115	300	72
HD 20W R	2140	2200	2115	300	72



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Coldstore Air Curtains

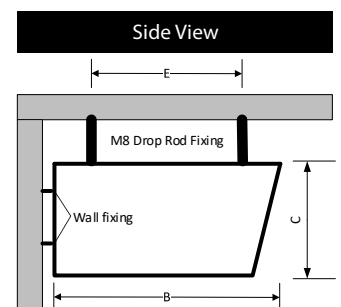
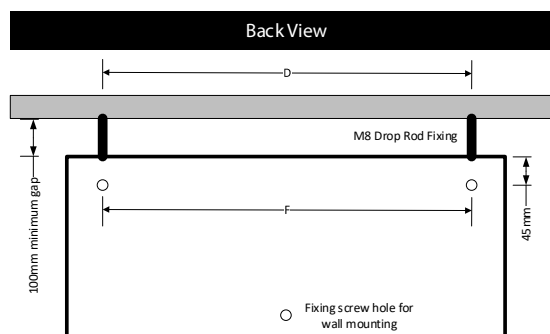
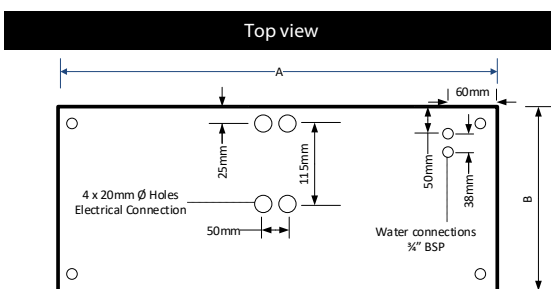
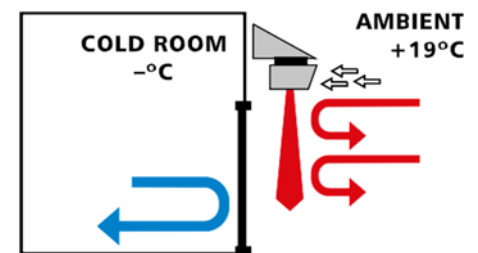
Cold store air curtains are specifically designed to protect refrigerated or air conditioned areas and other temperature controlled environments. This is achieved by preventing the ingress of warm air and the loss of refrigerated or conditioned air. These units are easily installed over door or side mounted and are suitable for cold food storage, ripening areas, chill rooms, food preparation areas and warehouses. This range may also be used as an insect barrier to help prevent insects and flies from entering food preparation areas.

The units are finished in epoxy powder coated white and can be supplied in stainless steel. They are available to suit most apertures.

Industrial curtains are manufactured for large cold store apertures where temperatures can be as low as -40°C and door heights of up to 6 metres.



Model	Input	Supply	Unit Dimensions					
			A mm	B mm	C mm	D mm	Emm	Fmm
Standard Duty								
ACD10C S	0.52A	220/230V1ph	1100	300	200	1040	190	1040
ACD15C S	0.52A	220/230V1ph	1600	300	200	1540	190	1540
ACD20C S	1.04A	220/230V1ph	2200	300	200	2140	190	2140
Heavy Duty								
HD 10 CS	1.35A	220/230V1ph	1100	350	250	1040	245	1040
HD 15 CS	1.35 A	220/230V1ph	1600	350	250	1540	245	1540
HD 20 CS	2.72A	220/230V1ph	2200	350	250	2140	245	2140



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Industrial Air Curtains

This modular range of industrial air curtains will suit door apertures up to 6 meters high. They are ideal for installation in warehouses, depots, unloading bays, factories and large cold store areas. These units will assist in preventing energy losses by stopping infiltration of cold air and retaining conditioned air.



This cost effective and unique modular range is aesthetically pleasing, efficient and simple to install. High quality centrifugal fans are used throughout the range.

Model	Motor rating FLC R/ Load A	Velocity m/s max	Volume m ³ /h max	Heat Load kW	Temp rise Deg C	Water flow rate l/s	LPHW Pressure drop kPa	Pipe Size BSP
IND 100	11 9	20	5000	27	18/20	0.5	2.4	1"
IND 150	17 13	20	7500	41	18/20	0.8	2.6	1"

Units are available as ambient (unheated) or heated, using LPHW/MTHW/super heated water and steam. Electric heated units are available on request.

Model	Unit Dimensions		
	W mm	H mm	D mm
IND 100	1000	700	600
IND 150	1500	700	600

Architectural Air Curtains

The architectural range of air curtains meet architects' requirements for neat, unobtrusive, efficient installations suited to stylish designs for contemporary buildings.

These units are typically found in shops, offices and retail outlets which require high performance, energy efficient solutions coupled with enhanced aesthetics.

Products can be supplied in either mirror polished or brushed finish stainless steel or colour coded to meet most RAL colour schemes.

Units can be mounted either over-door or vertically beside the door.

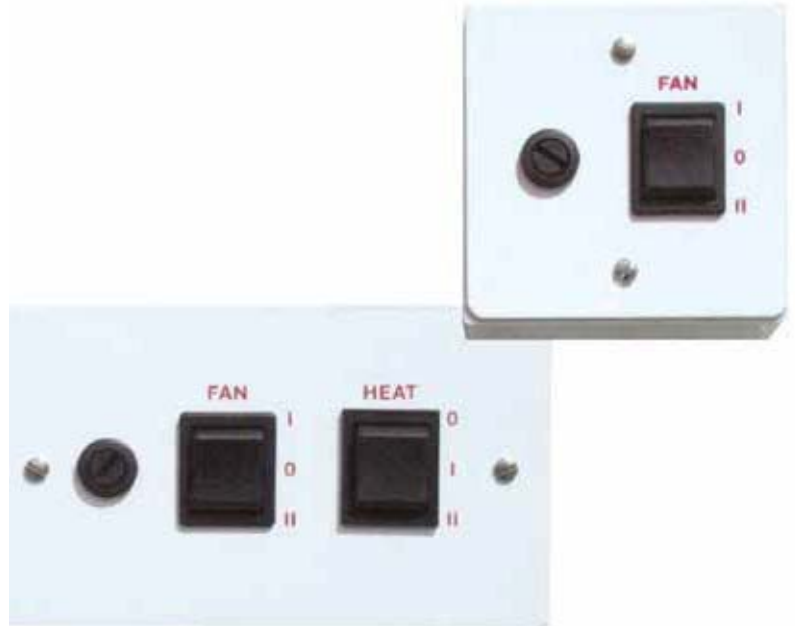


Model	Heat Output kw (80/60°C)	Input Amps	Voltage	Max Air Vol M ³ /h	Noise Level dB(a)	Weight kg
ACD 100SSW	10	0.52	220/1ph	1290	55	37
ACD 150SSW	15	0.52	220/1ph	2000	57	60
ACD 200SSW	20	1.04	220/1ph	2400	60	80

Model	Unit Dimensions		
	W mm	H mm	D mm
ACD 100SSW	1200	360	280
ACD 150SSW	1700	360	280
ACD 200SSW	2300	360	280

Controls and Wiring

Air curtains are supplied with remote control panels as standard and can be flush or wall mounted. Ambient and water heated units have a three position switch giving slow fan speed/off/fast fan speed. Electrically heated units are supplied with an extra three position heat switch offering off/low heat/high heat. Each control panel can be used to control single or multiple units.



Additional Controls

Thermostatic and valve controls, door switches and BMS volt free contacts (enable/disable/fault). All available on request.

