

Create an efficient and invisible door by installing an Air Curtain

Air curtains are designed for installation in the doorways of retail outlets, office buildings, hotels, restaurants, clinics, hospital and many other applications.

Why install an Air Curtain?

- Comfort – help promote the perfect environment whether warm, cool or ambient.
- Open Door Policy – promotes open door trading in retail outlets and provides uninterrupted access for passing trade.
- Energy Saving – installed over open doors promote significant energy savings.
- Protection – ensure a clean and healthy environment by keeping insects and unpleasant smells out, as well as preventing dust entering the doorway.
- Health & Safety – in refrigerant applications, specific cold store air curtains can significantly reduce the ingress of warm air when doors are required to be left open for access, helping to retain the refrigerated air inside.
- Ease of Installation – easy to install and easy to maintain throughout their serviceable life. A simple and cost effective solution for a comfortable environment.

Selection & Installation Guide

To ensure maximum effectiveness and comfort, it is important to select the appropriate air flow for your specific installation. An air curtain with too little velocity will not stop the infiltration of cold/ warm draughts from entering the building, whilst one that is too powerful, or installed at the incorrect door height, can increase the exfiltration and be too noisy and uncomfortable.

The following factors should be taken into account when selecting air barrier solutions:

- Type of building & interior design of the premises
- Type of air barrier required:
 - Visible → surface mounted
 - Invisible → recessed
 - Mounting Space → Vertical / special mounting brackets
 - Medium → Electric Heated/ Water Heated / Ambient (no heat)/Heat Pump
- Voltage and power supply
- Installation Height
- Door Width

Commercial - AG/HAC Air Curtain

- Max Mounting Height: **2.5m**
- Easy installation
- Durable high performance 2 speed fans
- Easy hand adjustment of air flow directional louvres



Model	Length (mm)	Volts / Frequency	Input Power (W)	Weight (kg)	Dims (WxDxH mm)	Air Vol (l/s)	Air Vel (m/s)	Sound Level (dB)
AG-1.25-09	900	240v/50Hz	115	16	900x215x205	320	10.5	<60
AG-1.25-12	1200	240v/50Hz	185	23	1200x215x205	455	10.5	<60
HAC-1215-RC	1500	240v/50Hz	320	22	1500x212x222	-	15.0	<61

Commercial - Mitsubishi Electric

- Max Mounting Height: GK3009 & GK3012 **3.0m**
- Max Mounting Height: GK3509 & GK3512 **3.5m**
- Twin Nozzle Design
- Quiet and compact



Model	Length (mm)	Volts / Frequency	Input Power (W)	Weight (kg)	Dims (WxDxH mm)	Air Vol (l/s)	Air Vel (m/s)	Sound Level (dB)
GK3009AS	900	240v/50Hz	76-105	11	900x190x153	455	12	49.5
GK30012AS	1200	240v/50Hz	95-125	14	1194x190x153	540	12	52
GK3509SA	900	240v/50Hz	155-223	22	910x210x200	583	13.5	58
GK3512SA	1200	240v/50Hz	187-267	29	1187x210x200	733	13.5	58.5



GK3 09 & GK3012



GK3509 & GK3512

Commercial & Industrial - Frico

- Manufactured in Sweden
- Thermozone technology
 - Airflow geometry
- Full Range –
 - Horizontal
 - Vertical
 - In-ceiling (Recessed)
- Intelligent regulation – SIRE Control System
 - (BMS Interface)
- Low sound levels and high performance



Horizontal Mounting

Application	Model	Recommended Install Height (m)	Heat Options	Lengths (mm)	Control Options	Notes
Entrances	PA2200C	2.2	Electric / Water / Ambient	1050 / 1560 / 2050	Remote Control	Integrated Control
Entrances	PA2500	2.5	Electric / Water / Ambient	1050 / 1560 / 2050	SIRe	Intelligent Control
Entrances	AR200	2.5	Electric / Water / Ambient	1042 / 1552 / 2042	CK Kit	Recessed
Entrances	Portier	2.5	Electric / Ambient	1020 / 1530	CB Kit	Stainless Steel
Entrances	ADA	2.5	Ambient – No Heat	900 / 1200	None	Built-In 2-Speed Switch
Commercial	Corinte	3.0	Electric / Water / Ambient	1700 / 2200 / 2450	SIRe	Stainless Steel / Intelligent Control
Commercial	AR3500	3.5	Electric / Water / Ambient	1057 / 1567 / 2073	SIRe	Recessed / Intelligent Control
Commercial	PA3500	3.5	Electric / Water / Ambient	1039 / 1549 / 2039 / 2549	SIRe	Intelligent Control
Commercial	PA4200	4.2	Electric / Water / Ambient	1039 / 1549 / 2039 / 2549	SIRe	Intelligent Control
Industrial	AC500	5.0	Ambient – No Heat	1030 / 1550	RTR or PKDM	High Pressure Discharge Grille
Industrial	AGS5000	5.0	Water / Ambient	1515 / 2010 / 2520 / 3030	SIRe	Intelligent Control
Industrial	AGS6000	6.0	Water / Ambient	1010 / 1515 / 2010 / 2520 / 3030	SIRe	Intelligent Control
Industrial	AGI	Large Doorways	Water / Ambient	1200 / 1800 / 2400 / 3000	RTR Kit	Robust Construction
Industrial	UF600	Large Doorways	Ambient – No Heat	3900 / 4145	UFC Kit	Underfloor Outlet Discharge

Vertical Mounting & Special Use solutions available.

See Frico Air Curtain Catalogue for more product information - <http://www.frico.se/en/>

Commercial & Industrial - Airtecnicos Optima

- Manufactured in Spain
- Horizontal & Recessed
- Airfoil shaped outlet vanes
- Epoxy-polyester painted RAL 9016 White
- Low noise cross-flow fans – 2-Speed
- ‘E’ type with electrical shielded elements – 2-Stages
- Option of ‘Clever’ control -
 - Programmable, Automatic
 - Intelligent, Energy Saving
 - Modbus RUT for BMS etc



Application	Model	Recommended Install Height (m)	Heat Options	Lengths (mm)	Control Options	Notes
Entrances	OPT W - A	2.2 – 2.8	Ambient – No Heat	1500 /2000	Remote Control	Integrated Control
Entrances	OPT W - E	2.2 – 2.8	Eclectic 6/9 & 5.6/11/3 kW	1500 /2000	Remote Control	Integrated Control
Entrances	OPT - A	2.2 – 2.8	Ambient – No Heat	1500 /2000	Plug&Play Control	Clever Control Option
Entrances	OPT - E	2.2 – 2.8	Eclectic 6/9 & 5.6/11/3 kW	1500 /2000	Plug&Play Control	Clever Control Option
Entrances - Recessed	RO – A/E	2.2 – 2.8	Ambient / Electric	1500 /2000	Plug&Play Control	Recessed. Clever Control Option

Industrial - AUL Air Curtains

- White Powder Coated (Standard) or Stainless Steel (Optional)
- Single or Three Phase
- Optional Weather Hood
- Australian Manufacturer
- NEBB Certified for performance guarantee to AQIS standards (AQIS 8.0m/s @ 900mm off floor)



Model	Length (mm)	Volts / Frequency	Input Power (W)	Weight (kg)	Dims (WxDxH mm)	Air Vol (l/s)	Air Vel (m/s)	Sound Level (dB)
Coolroom Low Velocity								
AC1200 9x7	1200	240v/50Hz	315	37	1200x350x460	500-700	6-10	53-65
2.4m Mounting Height (to suit AQIS) with 600W Motor								
AC900 9x7	900	240v/50Hz	600	37	900x350x460	1000	13	72
AC1200 9x7	1200	240v/50Hz	600	40	1200x350x460	1200	12	71
AC1500 9x7	1500	240v/50Hz	600 + 315	49	1500x350x460	1800	12	72
AC2000 9x7	2000	240v/50Hz	2 x 600	70	2000x350x460	2000	13	72
2.4m Mounting Height (to suit AQIS) with 3ph IP56 Motor								
AC900 9x7	900	415v/3ph	550	42	900x350x460	1000	13	72
AC1200 9x7	1200	415v/3ph	550	45	1200x350x460	1200	12	71
AC1500 9x7	1500	415v/3ph	550 + 300	55	1500x350x460	1800	12	71
AC2000 9x7	2000	415v/3ph	2 x 550	80	2000x350x460	2000	13	72
2.6m Mounting Height (to suit AQIS) with 750W Motor								
AC900 9x7	900	240v/50Hz	750	38	900x350x460	1100	14	70
AC1200 9x7	1200	240v/50Hz	750	41	1200x350x460	1300	13	73
AC1500 9x7	1500	240v/50Hz	750	51	1500x350x460	2000	14	73
AC2000 9x7	2000	240v/50Hz	750	72	2000x350x460	2200	14	74
2.8m Mounting Height (to suit AQIS) with 750W Motor								
AC900 9x9	900	240v/50Hz	750	42	900x350x460	1500	17	72
AC1200 9x9	1200	240v/50Hz	750	46	1200x350x460	1550	16	72
AC1500 9x9	1500	240v/50Hz	750	55	1500x350x460	2000	16	72
AC2000 9x9	2000	240v/50Hz	2 x 750	80	2000x350x460	3000	16	73
3.2m Mounting Height (to suit AQIS) with 750W Motor & Chute								
AC900 9x9	900	240v/50Hz	750	43	900x350x460	1550	18	72
AC1200 9x9	1200	240v/50Hz	750	47	1200x350x460	1550	17	70
AC1500 9x9	1500	240v/50Hz	750 + 425	56	1500x350x460	2000	18	72
AC2000 9x9	2000	240v/50Hz	750	82	2000x350x460	3000	18	72