

DECORATIVE AIR CURTAIN

The Power of
EXPERIENCE



INTRODUCTION

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Expert Middle East is one of the top leaders in HVAC system instruments fabrication, established in 2015.

Certified by ISO 9001, & ISO 14005, Along our successful & progressive journey, we strive to be the integrated service provider of HVAC system equipment in the Middle East by supplying (AHUs, FCU, Condensing units, package DX units, air outlets, air ducts, and air curtains ... etc.)

Also, by our extension through our major projects in Qatar, Oman.

And we will continue, with full commitment to providing customer focused and professional services.

Our Vision



Our vision is to become the top HVAC equipment fabrication company in the Middle East that positively impact society's lifestyle quality through our continuous innovation delivered by our skilled professional to make our customers delighted.



Our Mission



by providing Quality in every single material used by considering every customer as a priority by helping our market increase the return of building investment

Our Values



01

Customer delight:

we do it perfect, fast and save cost.

02

Priority:

we believe in saying no to thousands, to deliver unbelievable response to you.

03

Continuous improvement:

we always up to date on new trends, technologies & customer needs related to our industry

04

Competitive price:

we focus on selling value not to only profit, so our prices always fair.

05

Professionalism:

we proudly have the technical knowledge leaders through all our organization.

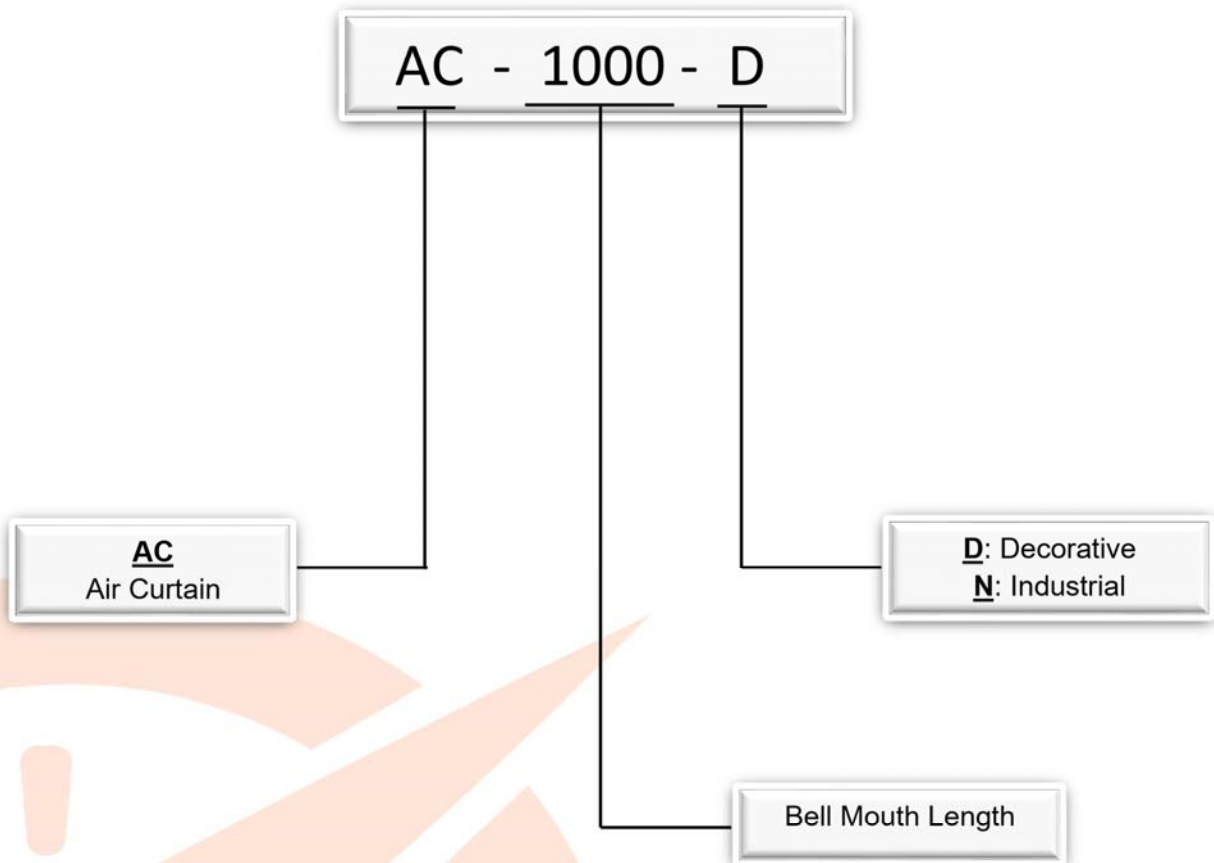
06

Integrity:

We expect to be always honest with ourselves first, then our employees and our customers.

Decorative Air Curtain

NOMENCLATURE



MAINTAIN:

- I. Heating levels.
- II. Refrigeration.
- III. Air conditioning.
- IV. Comfort.
- V. Clean atmosphere.

PROTECT FROM:

- I. Cold winter temperatures.
- II. Hot summer temperatures.
- III. Car fumes.
- IV. Dust in the air.
- V. Pollution.
- VI. Insects.



BUGS



DUST



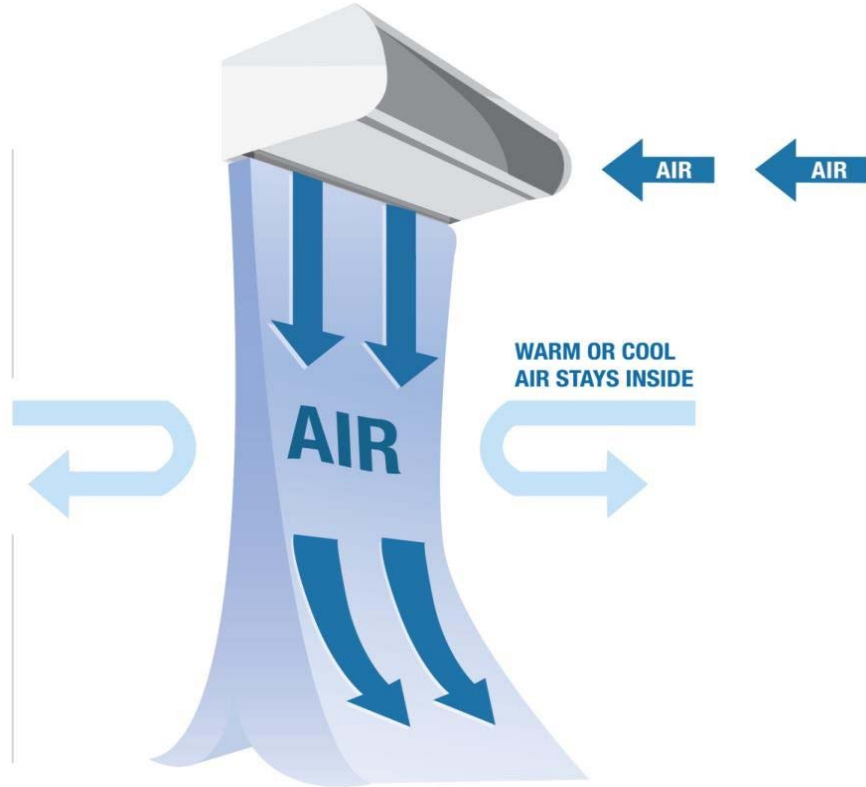
HOT AIR



COLD AIR



FUMES



- The new and attractive generation of Air curtains are the ideal solution to maintain a comfortable interior climate in commercial outlets and public buildings that need to keep their doors open.
- Air curtains create an air stream layer over the doorway and act as an invisible barrier which efficiently divides the inside environment from the outside one. Therefore, it substantially reduces heating and cooling costs up to 80%, while increasing employees and clients' comfort.

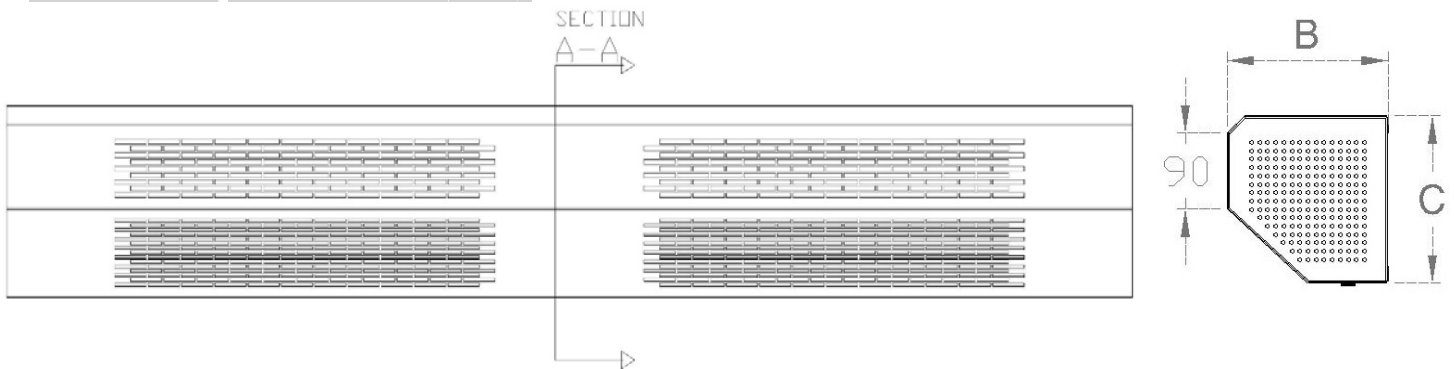
- The end result is more customers and an increase in sales. Air curtains are a protection from the cold and heat, repel gusts of wind and minimize dust, fumes, pollution and insects entering the building.
- Factors such as interior drop, strong winds, the door's location, stairs between floors, opposite doors, and the installation height have to be taken into consideration.



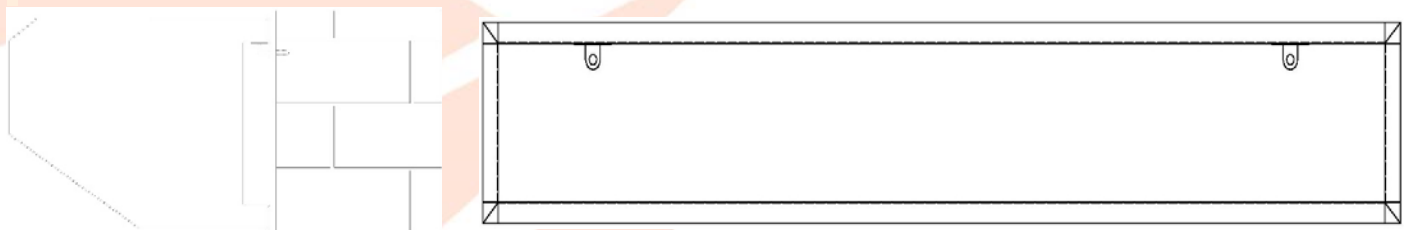
Selection of an air curtain:

- I. The height of the installation measured from the discharge diffuser to the floor.
- II. The width of the door.
- III. The location of the building to determine the level of protection needed against weather conditions.
- IV. Pressure differences between the inside and outside of the building.
- V. Door characteristics: if always open, if automatic door, manual door, revolving door, etc.
- VI. Characteristics of the ventilation and air conditioning installation.
- VII. Voltage and electrical power availability.

Dimension of an air curtain:



How to install Air Curtain Into wall :



Section (A-A)

Model	TOTAL LENGTH (L)	MOUSE LENGTH (A)	DEPTH (C)	WIDTH (B)
AC-900-D	1150	900	200	200
AC-1000-D	1250	1000	200	200
AC-1500-D	1750	1500	200	200
AC-2000-D	2250	2000	200	200
AC-2500-D	2750	2500	200	200

Specifications:

Model	Air Flow (CMH)	Fans Power (Watt)	Power Supply (Volt/Hz/Ph)	Noise Level at 1m from bell mouth (DB)
AC-900-D	Up to 1200	170	230/50/1	50:54
AC-1000-D	Up to 1200	170	230/50/1	50:54
AC-1500-D	Up to 1200	340	230/50/1	50:54
AC-2000-D	Up to 1200	340	230/50/1	50:54
AC-2500-D	Up to 1200	510	230/50/1	50:54



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