

AIR CURTAIN



APPLICATIONS

Air Curtains are widely used in both **industrial** and **commercial** environments:

- **Laboratories & Clean Rooms:**

Maintains Sterile conditions by blocking airborne contaminants.

- **Hospitals & Pharmaceutical Plants:**

Reduces microbial contamination and improves hygiene.

- **Food & Beverage Industry:**

Prevent insect entry and ensures compliance with hygiene standards.

- **Cold Storage Areas:**

Maintains Internal temperature and prevents moisture condensation.

- **Commercial Entrances:**

Provides comfort by maintaining indoor cooling / heating.

- **Warehouses & Production Units:**

Acts as a partition between different process zones.

- **Retail Malls & Airports:**

Enhance air conditioning efficiency and energy conservation.

KEY FEATURES

- **High Air Velocity:** Provides a strong air barrier, preventing entry of dust, insects, and contaminants.
- **Energy Saving:** Reduces load on air-conditioning systems by minimizing temperature loss.
- **Noise-Free Operation:** Precision-balanced blowers ensure quiet performance (< 65 dB).
- **Adjustable Air Speed:** Multi-speed control or variable speed option for different door heights.
- **Long Service Life:** Industrial-grade components designed for 24×7 continuous operation.
- **Compact and Elegant Design:** Suitable for laboratories, offices, hospitals, and retail environments.
- **Easy Maintenance:** Front access for quick cleaning and servicing.
- **Safety Features:** Overheat protection and insulated wiring for operational safety.



TECHNICAL MATRIX

Model	AC-820 A	AC-820-B	AC-820-C	AC-820-D	AC-820-E	AC-820-F	AC-820-G
Dimensions In mm (LxWxH)	600x210x225	900x210x225	1000x210x225	1200x210x 225	1500x210x225	1800x210x225	2100x210x225
Standard height of curtain formed	UP TO 8 FT	UP TO 8 FT	UP TO 8 FT	UP TO 8 FT	UP TO 8 FT	UP TO 8 FT	UP TO 8 FT
Maximum Air Velocity at Nozzle Discharge	High 21 m/s & low 18 m/s	High 21 m/s & low 18 m/s	High 21 m/s & low 18 m/s	High 21 m/s & low 18 m/s	High 21 m/s & low 18 m/s	High 21 m/s & low 18 m/s	High 21 m/s & low 18 m/s
No. of Blower	2 BLOWER	3 BLOWER	3 BLOWER	4 BLOWER	5 BLOWER	6 BLOWER	7 BLOWER
No. of Motors	120w-1 (1Motor)	120w-1 & 80w-1 (2Motor)	120w-1 & 80w-1 (2Motor)	120w-2 (2Motor)	120w-2 & 80w-1 (3Motor)	120w-3 (3Motor)	120w-3 & 80w-1 (4Motor)
No Of Shaft	1 Double Shaft	1 Single 1Double Shaft	1 Single 1Double Shaft	2 Double Shaft	1 Single 2Double Shaft	3 Double Shaft	1 Single 3Double Shaft
Weight Kg	10	15	16	18	23	26	28
Phase	Single Phase						
RPM	2800 RPM						
Body Material	All MS Powder Coating / SS 304 Grade						
Blower	ABS model						
Motor	0.20 HP Copper Winding						
Supply	220/230 Volts Single Phase						

OPTIONAL ADD ONS

- 1. Automatic Door Sensor:** Activates the unit only when the door is open.
- 2. Stainless Steel Housing :** For pharmaceutical and food-grade use.
- 3. Industrial Model :** is also available on request
- 4. Custom Sizes :** Available to suit non-standard doorway widths or heights