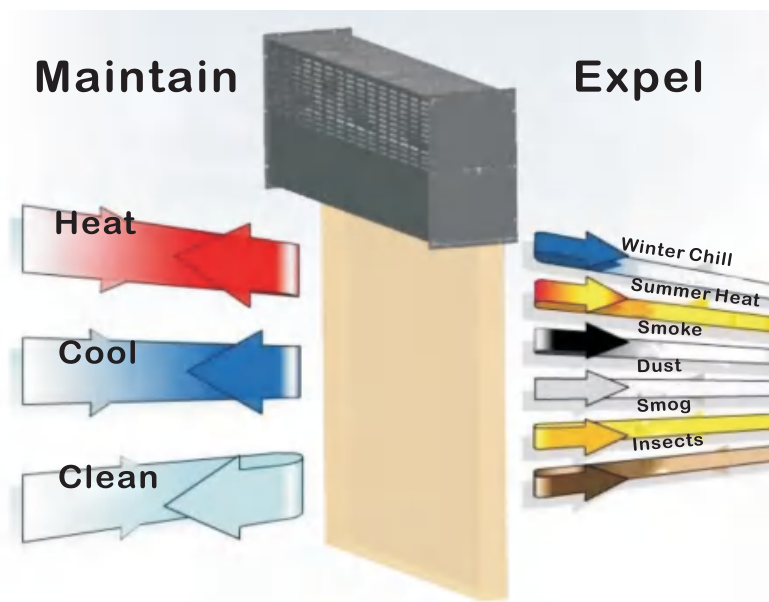


FM Gas Air Curtain Series



HOW IT WORKS

A direct-fired air curtain operates similarly to a direct-fired space heater. A controlled high-speed airflow is directed to be expelled along the entire length and width of the air curtain opening, creating an air curtain. This helps reduce the penetration or transfer of air from one side of the opening to the other while inhibiting the passage of flying insects, dust, or debris.

Features

- Four standard models: 35kW-1.5m, 50kW-2.25m, 70kW-3m, 100kW-4.5m
- Powerful centrifugal blower provides high-speed airflow and long-distance coverage
- Safety protection features include flameout protection, fan failure, and insufficient fan wind force
- Available in semi-enclosed or fully enclosed configurations
- Available for horizontal or side-mounted installation
- Can be interlocked with the opening and closing of doors



Advantages/Benefits

- While protecting the indoor climate environment and enhancing people's comfort, heating and cooling costs can be reduced by up to 80%.
- Maintains indoor cleanliness, keeping away pests, insects, dust, airborne particles, pollution, odors, and prevents the entry of airflow, cold air, or hot air.
- Eliminates the need for frequent opening and closing of large doors, improving production and transportation efficiency.
- No need for physical door curtains during operation, enhancing safety.

Applications

- Factories and manufacturing workshops
- Distribution centers
- Warehouses
- Automotive repair shops
- Supermarkets
- Industrial drying tunnels

Installations

The correct installation should ensure that the "air curtain" of the air curtain machine can cover the entire door opening. The dimensions of the air curtain machine should match the door opening size, and the distance from the air outlet to the door frame edge should not exceed 30cm.

Technical Parameter

Model			FM35-1500	FM50-2250	FM70-3000	FM100-4500
Suitable for Door Width			< 1.5m	< 2.25m	< 3.0m	< 4.5m
Gas Heat Load			35kW	50kW	70kW	100kW
Gas Consumption	Nm ³ /h	NG	3.38	4.83	6.76	9.66
	kg/h	LPG	3.12	4.69	6.24	9.38
Average Temperature Rise(°C)			21	21	21	21
Number of Heat Exchange Fans			2	3	4	6
Air Flow (Nm ³ /h)			2x2,300	3x2,300	4x2,300	6x2,300
Air Velocity(m/s)			25	25	28	25
Electric Power(kW)			0.86	1.23	1.72	2.46
Voltage (V)			380	380	380	380
Gas Input Pipeline	NG		DN15	DN15	2xDN15	2xDN15
	LPG		DN15	DN15	2xDN15	2xDN15
Installation Method			Horizontal	Horizontal or Vertical	Horizontal or Vertical	Horizontal or Vertical
Product Dimensions (mm)			1,500x500x880	2,250x500x860	3,000x700x880	4,500x500x880
Product Weight(kg)			110	166	214	336

