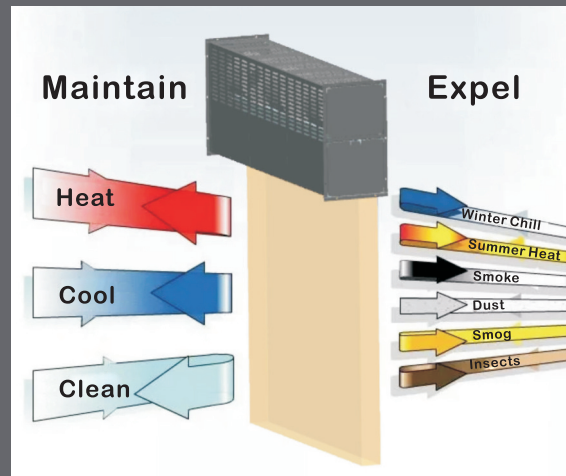


FM Gas Air Curtain Series



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

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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)	2x2300		3x2300		4x2300		6x2300	
Air Velocity(m/s)	16		16		16		16	
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)	1500x700x920		2250x700x920		3000x700x920		4500x700x920	
Product Weight(kg)	80		140		160		280	