FLEXIHEAT UK LTD
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INDUSTRIAL AIR CURTAIN
Door Guard Professional Range

The Flexiheat range of industrial air curtains are designed for protection of industrial buildings from the loss of heat energy through open doors. Air flow range up to 7.5m thanks to high efficiency fans and modular construction

ADVANTAGES

- Air throw up to 7.5m
- Modular system based on length of air curtains 1.5m and 2m
- Vertical or horizontal assembly
- ACTIVE PROTECTION System

ACTIVE PROTECTION SYSTEM

ACTIVE PROTECTION system improves effectivity of air barriar which protects entrance doors.

ACTIVE PROTECTION SYSTEM helps to save energy supplied for heating of air curtains. Main principle is to install an air curtain with water heater at the bottom and an ambient air curtain at the top. The warm air leaving bottom curtain will move upwards and will create temperature comfort for users. In this case only the bottom air curtain is supplied with heating, thus resulting in substantial savings on operating costs.

AUTOMATIC CONTROL

Doorstop
- Starts operation of curtain when door opens

SPEEDER
- Air exhaust regulation

CONTROL BOX
- Complete electrical connection box

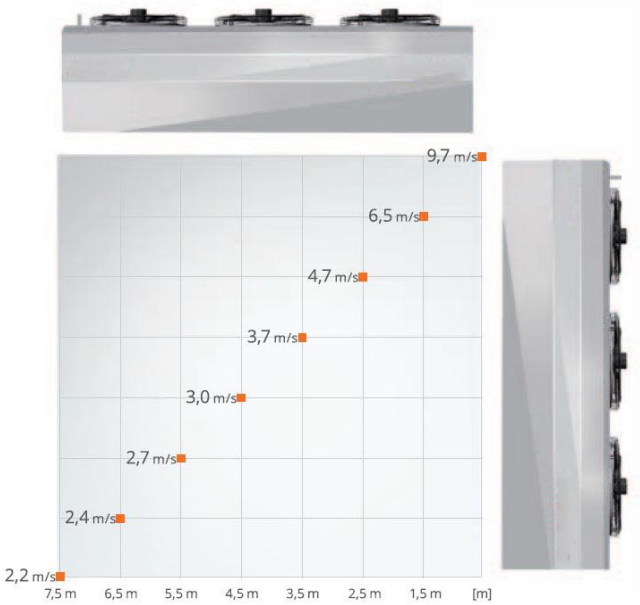
TECHNICAL DATA		INDUSTRIAL AIR CURTAIN					
		WATER CURTAINS		ELECTRIC CURTAINS		AMBIENT CURTAINS	
		Model 1.5W	Model 2.0W	Model 1.5E	Model 2.0E	Model 1.5A	Model 2.0A
lenght of unit	m	1.5	2	1.5	2	1.5	2
max airflow range	m	7.5	7.5	7.5	7.5	7.5	7.5
heat output*	kW	33	47	14	21	-	-
max air output m³/h		6 500	9 000	6 700	9 100	6 800	9 200
max working pressure	Bar	16	16	-	-	-	-
diameter of connection nozzles	inches	3/4"	3/4"	-	-	-	-
power supply	V/Hz A	230/50 2.4	230/50 3.6	230/50 2.4	230/50 3.6	230/50 2.4	230/50 3.6
motor power	kW	0.5	0.75	0.5	0.75	0.5	0.75
power consumption	V/Hz A	-	-	400/50 17	400/50 29	-	-
weight filled with water / without water	kg	46/44	62/60	45	63	37	51
protection class IP	-	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54

* for water parameters 90/70°C, inlet air temperature 0°C

1.5W model		air flow - 6500 m³/h														
inlet/outlet water temperature		water 60/40 °C					water 70/50 °C					water 90/70 °C				
inlet air temperature	°C	0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
heat output	kW	19,1	17,0	14,9	12,8	10,7	23,9	21,5	19,2	17,0	14,7	33,0	30,8	28,5	26,2	23,9
outlet air temperature	°C	8,8	12,7	16,7	20,6	24,5	10,5	14,5	18,6	22,6	26,5	14,3	18,2	22,2	26,2	30,2
water flow	m³/h	0,7	0,7	0,7	0,4	0,4	1,1	0,7	0,7	0,7	0,7	1,4	0,7	0,7	0,7	0,7
pressure drop	kPa	2,4	1,8	1,3	0,9	0,5	3,7	3,1	2,5	2,0	1,5	6,7	5,9	5,2	4,4	3,8

2.0W model		air flow- 9000 m³/h														
inlet/outlet water temperature		water 60/40 °C					water 70/50 °C					water90/70 °C				
inlet air temperature	°C	0	5	10	15	20	0	5	10	15	20	0	5	10	15	20
heat output	kW	29,1	25,5	22,1	18,9	15,8	35,1	31,8	28,6	25,4	22,3	47,0	43,4	39,9	36,5	33,2
outlet air temperature	°C	8,7	12,7	16,6	20,6	24,6	10,4	14,4	18,4	22,4	26,4	14,1	18,1	22,1	26,1	30,1
water flow	m³/h	1,1	1,1	0,7	0,7	0,7	1,4	0,7	0,7	0,7	0,4	1,8	1,8	1,4	1,4	1,4
pressure drop	kPa	5,6	4,4	6,1	2,5	1,7	8,5	7,1	5,8	4,7	3,7	15,0	13,0	12,0	9,9	8,5

SPEED OF AIR FLOW



For more info at www.flexiheatuk.com