

Data sheet

# Air curtains

# AIR CURTAINS



Air curtains are equipment that creates an invisible air barrier in the interior and the outside of a chamber, maintaining the thermal conditions in it and allowing the passage of people or vehicles. We have two models:  
 -Air curtains AIRTEK  
 -Industrials air curtains AIRPRO.

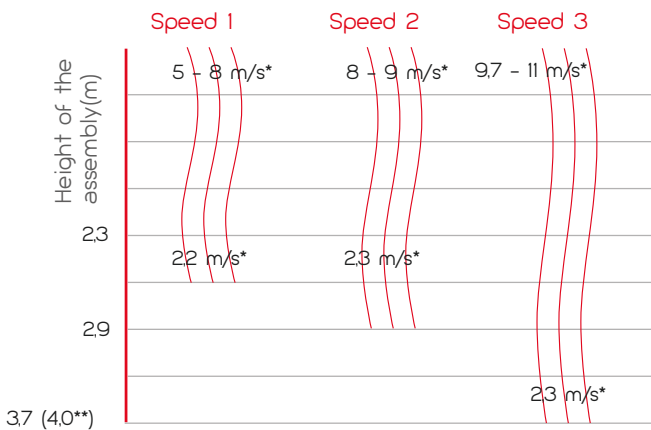
## Air curtains AIRTEK

The new AIRTEK comes with modern design, high performance parameters and full range of accessories. AIRTEK is synonymous to modernity, superior and advanced technology.



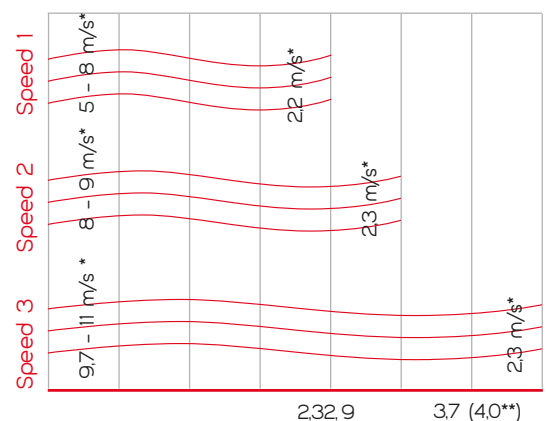
### Horizontal air flow range

(max installation height)



### Vertical air flow range

(max range by vertical installation)



\* air flow speed  
 \*\* ambient air curtain

## Panel COMFORT

- ✓ Manual temperature regulation.
- ✓ Fan speed change.
- ✓ Control up to 2 pcs of AIRTEK air curtains.



## MAGNETIC doorswitch

Allows to activate/deactivate air curtain depending on opening of entrance doors.

## BMS

Delivery of basic signals to Building Management System)



		AIR CURTAIN WITH WATER HEATER			AIR CURTAIN WITH ELECTRIC HEATER			AIR CURTAIN WITHOUT HEATER		
TECHNICAL DATA		AIRTEK 100W	AIRTEK 150W	AIRTEK 200W	AIRTEK 100E	AIRTEK 150E	AIRTEK 200E	AIRTEK 100C	AIRTEK 150C	AIRTEK 200C
length of unit	m	1	1.5	2	1	1.5	2	1	1.5	2
max installation height	m	4	4	4	4	4	4	4	4	4
max air output	m <sup>3</sup> /h	2000	3600	4800	2000	3600	4800	2100	3700	5000
heat output *	kW	10-16	20-29	25-40	4-7	6.5-11	8.5-14	-	-	-
max working pressure	MPa	16	16	16	-	-	-	-	-	-
diameter of connection nozzles	pulgadas	1/2"	1/2"	1/2"	-	-	-	-	-	-
power supply	V/Hz A	230/50 1.95	230/50 2.6	230/50 2.6	230/50 1.95	230/50 2.6	230/50 2.6	230/50 1.95	230/50 2.6	230/50 2.6
motor power	W	220	320	320	220	320	320	220	320	320
power consumption	V/Hz A	-	-	-	400/50 11	400/50 16.6	400/50 22.4	-	-	-
weight	kg	16.5	20.5	28	17	21.5	29	15	18.5	25
noise level	db (A)	59	61	62	59	61	62	60	61	62
protection class IP	-	IP21	IP21	IP21	IP21	IP21	IP21	IP21	IP21	IP21



### Air vent

High performance parameters, air outlet 4800 m<sup>2</sup> / h, air draft up to 4 m.



### Technology

PTC electric heater technology.



### Noise

Low noise level.



### Weight

Reduced weight.

## Air curtains AIRPRO

AIRPRO is a line of industrial air curtains designed for protection of industrial buildings from the loss of heat energy through gateway.

Air flow range up to 7,5 m thanks to high efficiency fans and modular construction.



### Active protection system



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

ACTIVE PROTECTION SYSTEM helps to save energy supplied for heating of air curtains. Main principle is to install AIRPRO with water heater at the bottom and AIRPRO without a coil at the top. Hot air leaving bottom curtain will move into upper side and will create temperature comfort for users. In this case only bottom curtain is supplied with heating medium, it gives 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.



		WATER CURTAINS		ELECTRIC CURTAINS		COLD CURTAINS	
TECHNICAL DATA		AIRPRO 150W	AIRPRO 200W	AIRPRO 150 E	AIRPRO 200E	AIRPRO 150C	AIRPRO 200C
length of unit	m	15	2	15	2	15	2
max air flow range	m	7,5	7,5	7,5	7,5	7,5	7,5
heat output*	kW	33	47	14	21	-	-
max air output	m <sup>3</sup> /h	6500	9000	6700	9100	6800	9200
max working pressure	MPa	16	16	-	-	-	-
diameter of connection nozzles	pulgadas	3/4"	3/4"	-	-	-	-
power supply	V/Hz A	230/50 24	230/50 36	230/50 24	230/50 36	230/50 24	230/50 36
motor power	W	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	-	IP54	IP54	IP54	IP54	IP54	IP54

## Speed of air flow



**Air vent**  
Air projection up to 7.5m.



**Mounting**  
Vertical or horizontal mounting.



**Modular system**  
Modular system based on the length of 1.5 m and 2 m air curtains.



**Active protection**  
Active protection system helps save on energy.



[info@kavidoors.com](mailto:info@kavidoors.com)

+34 960 619 719

Polígono El Molí, Partida El Testar s/n  
46980 Paterna, Valencia, Spain

 [kavidoors.com](http://kavidoors.com)