

Design air curtain for automatic door



- ▲ slim profile
- ▼ low noise level
- ▲ modern design
- ▼ self-contained construction of round shapes
- ▲ hidden connection
- ▼ multiple outlet blades
- ▲ stainless steel or RAL colours
- ▼ automatic controll



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CONSTRUCTION DESCRIPTION

ARCUS-X - it is an ideal complement for an automatic door, providing a cost saving solution regarding the heating and buildings air conditioning.

Modern self-contained curved construction finished in stainless steel or powder coated to RAL 9023, side plates to RAL 9007 (other colours available). Very flat profile of the unit allows it to be fitted on the left or right side of the door. Specific heights of air curtain can be produced to customer requirements.

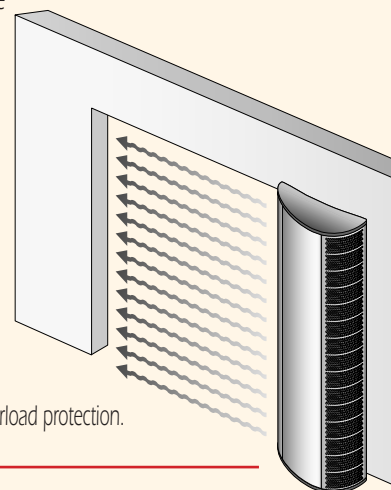
The acoustically isolated outlet chamber of the air curtain ensures significant noise reduction and when using the moveable blades an almost constant sectional velocity is achieved along the height of the outlet nozzle.

All service connections to the unit are made through the bottom of the air curtain (hidden) which is bolted to the floor.

Heat exchangers with load reserve with inbuilt sludge and deaerating valves. By default assembled pressure tubes and ball traps allow quick mounting and without problems. For the temperature regulation of the outlet air there is an inbuilt thermoelectric valve in the air curtain.

Standard electric heaters with 3-grades of heating bars are equipped with serpentes with stainless steel braiding for effective bar cooling, protective and operating elements secure trouble-free running incl. complete electro equipage.

Dynamically and statically balanced fans with high capacity and very silent running with inbuilt overload protection.



Ergonomic blades with locking for optimal air curtain functionality according to the assembling and operating instructions.



Unit running is fully controlled via wall processor control. The control allows connection of wide range of accessories incl. possible control from BMS or wireless control (see catalogue list Ditrionic).

Easily accessible and renewable filter for the heat exchanger contributes to the smooth running and a longer service life of the unit.



Stainless steel heating bars incl. protective and anti-damage thermostats are by default controllable in 3-grades; the heater capacity also on customer wish.



	ARCUS-X	ARCUS-X	ARCUS-X
	2200 2201 2202	2500 2501 2502	2800 2801 2802
PLACING	vertical	vertical	vertical
Max. door width one-sided „W“ [l [m]	2,4 2,7 3,0	2,5 2,6 3,0	2,6 2,7 3,1
Max. door width one-sided „E“ [l [m]	2,4 2,7 3,0	2,5 2,7 3,2	2,6 2,8 3,2
DIMENSIONS			
Height [mm]	2200	2500	2800
Depth [mm]	295	295	295
Width [mm]	670	670	670
TECHNICAL PARAMETRES			
Air-handling capacity „W“ [m ³ /h]	3300 4015 4935	3700 4150 5350	4525 5100 6230
Air-handling capacity „E“ [m ³ /h]	3300 4015 4935	3865 4550 5500	4785 5600 6500
Hot water air curtains - heater			
80/60°C max. capacity [* [kW]	33,9 37,1 42,0	38,3 41,1 47,9	45,3 48,8 55,1
60/40°C max. capacity [* [kW]	18,7 21,0 23,6	22,1 23,6 27,4	25,8 27,7 31,1
Electric air curtains - heater			
400V ** capacity [kW]	15 15 18	18 18 24	24 24 27
Fan power supply [V]	230	230	230
Fan power input „W,E“ [kW]	1,28 1,28 1,53	1,28 1,53 1,79	1,53 1,79 2,04
Fan rated current „W,E“ [A]	5,6 5,6 6,8	5,6 6,8 7,8	6,8 7,8 9,0
Degree of protection	IP 20	IP 20	IP 20

[*] it is possible two-sided placing • [*] 80/60°C at suction t = 18°C; 60/40°C at suction t = 15°C • **] on customer wish it is possible to modify the capacity of electric heater

AIR CURTAIN'S EQUIPAGE ARCUS-X

HOT WATER AIR CURTAINS	
Manual or automatic running	serial
Regulation according to room or outlet air temperature	serial
Sludge valve deaerating valve	serial
Moveable outlet design blades	serial
Hidden connection	serial
Inbuilt electrothermic valve	serial
Air volume regulation	serial

ELECTRIC AIR CURTAINS	
Manual or automatic running	serial
Regulation according to room or outlet air temperature	serial
3-grades electric heater controlled by processor	serial
Moveable outlet design blades	serial
Hidden connection	serial
Fan delay after the unit switching-off	serial
Air volume regulation	serial

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