FläktGroup®

AC **STREAM**

EFFICIENT AND RELIABLE AIR CURTAINS


FläktGroup

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AC **STREAM**

AC STREAM is the new generation device created from a passion for a light and modern design representing characteristics of gliders. A minimal casing with a streamlined form of a wing that seems to float in the air. The diamond style side panels hide the excellent components in an innovative curtain body to set new standards for air curtains. AC STREAM combines the unique design and excellent efficiency to redefine the air curtain image.

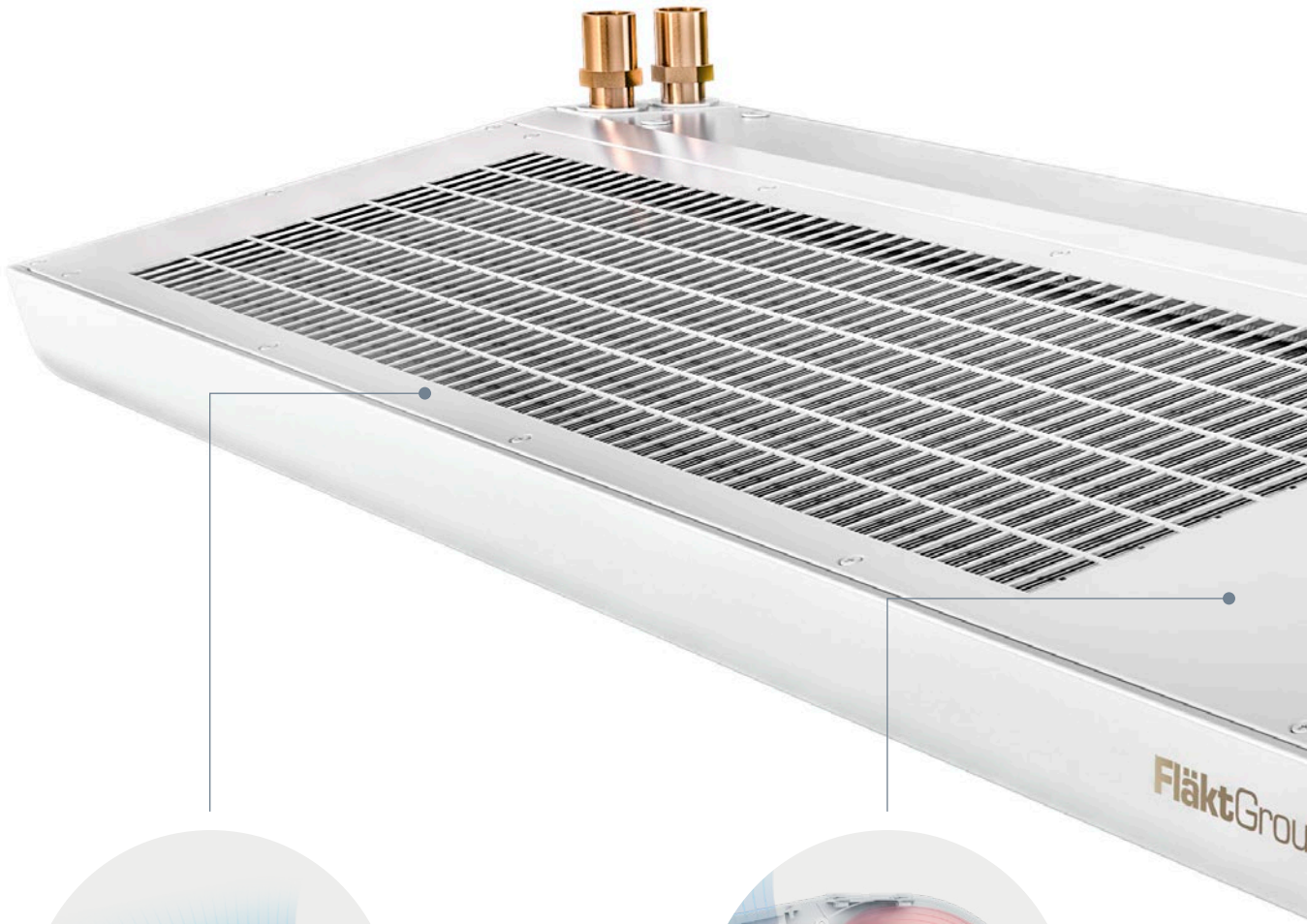
QUIET OPERATION

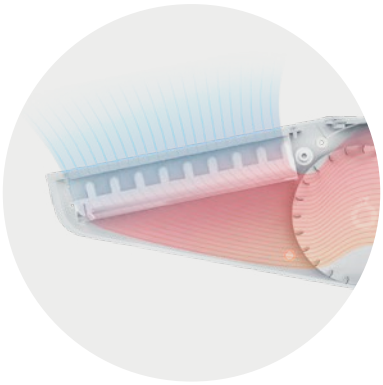
EFFICIENT AND RELIABLE EC MOTORS

BIM COMPATIBLE REVIT® FILES

FAST DELIVERY

Silence and power



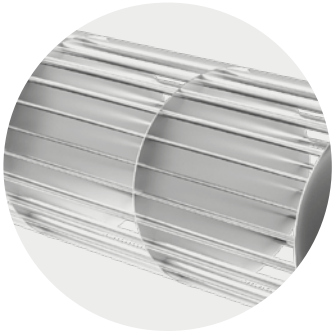


LOW RESISTANCE OF THE AIR INLET

A larger surface of the air inlet allows the heat exchanger to be fully utilized.

OPTIMAL AIR FLOW RATE

The special design of the blades ensures an increase in the air stream range by 20% compared to conventional approaches. Larger air intake area makes it possible to take full advantage of heat exchanger power.



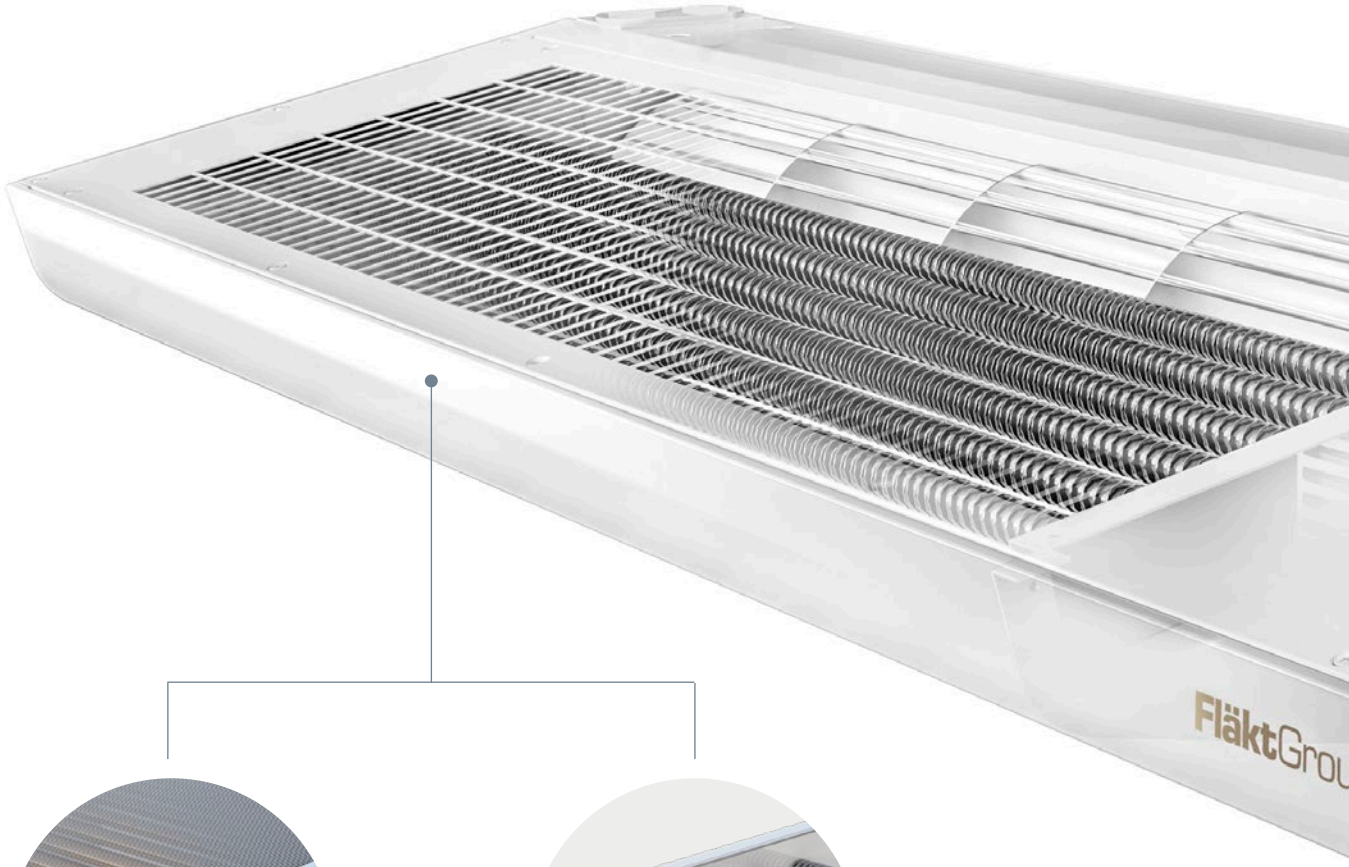
QUIET OPERATION

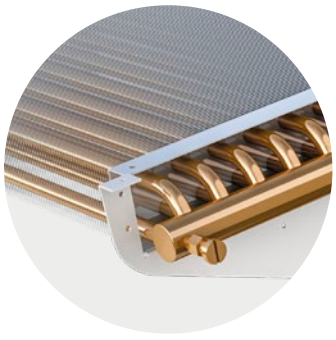
The device design supports the air flow and effectively reduces the level of sound emitted to the environment.

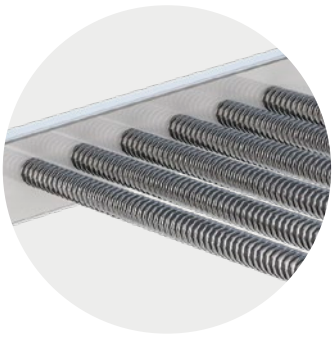
CONFIGURED TO BUILDING SPECIFICATIONS

The Electronically Controlled motor allows an easy adjustment of the AC STREAM to any protected entryway requirements.

Design and performance







WATER HEATER

The high-performance, two-row water heater is adapted to operate with low parametric factors.

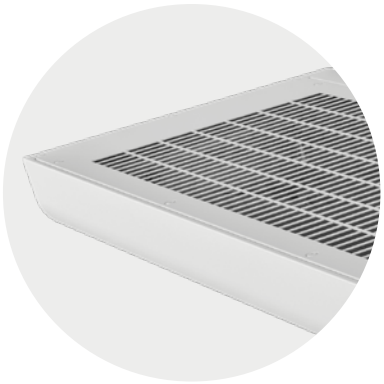
ELECTRIC HEATER

The low-temperature, high-power heater ensures safe operation without a fan overrun. The asymmetrical distribution of the heating power provides the best adjustment to individual customer needs.

COMBINATION OF FUNCTIONALITY AND DESIGN

A characteristic diamond-shaped element of the side cover not only protects the inlet of the engine cooling system but also fulfills an inspective function.

Quality and design



SIMPLE CLEANING

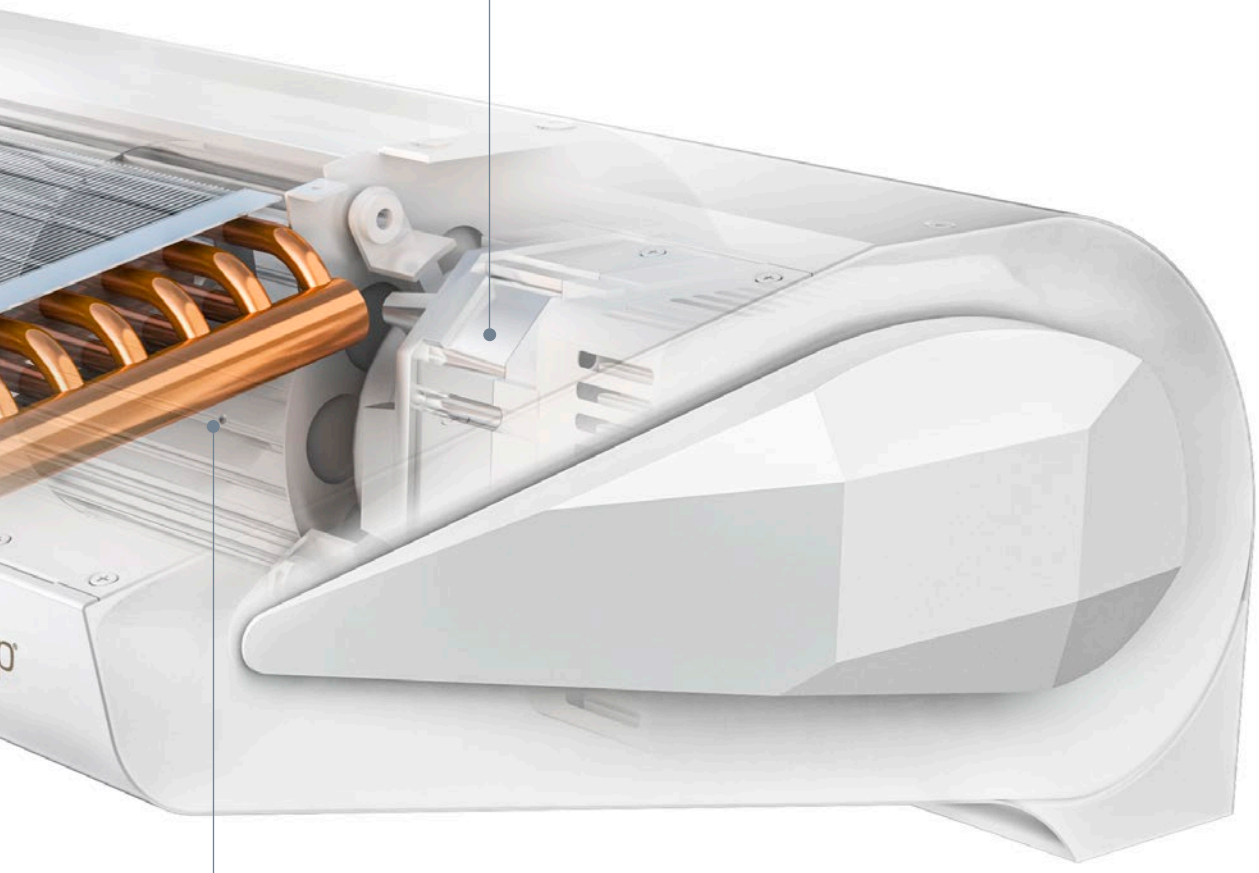
Thanks to the optimized construction of the covers, cleaning the curtain is comfortable and does not require the disassembly of any part, always ensuring hygienic operation.

GALVANIZED STEEL CASING

Double coating (galvanization + powder paint) provides long-term protection against corrosion and consistent aesthetic qualities.

ELECTRICITY SAVINGS

Modern design of the engine and fan saves up to 60% of energy compared to conventional solutions.



HIGH EFFICIENCY

High power output is a result of applying a heater with large heat exchange surface arranged in a uniform air stream.

Product range

AC **STREAM** WATER HEAT EXCHANGER

HEATING POWER RANGE:
4–47 kW

EXHAUST FLOW RATE:
1850–4400 m³/h

MAXIMUM AIR COVERAGE:
3,7 m

AC **STREAM** ELECTRIC HEATER

HEATING POWER RANGE:
2–15 kW

EXHAUST FLOW RATE:
1850–4500 m³/h

MAXIMUM AIR COVERAGE:
3,7 m

AC **STREAM** WITHOUT HEAT EXCHANGER (AMBIENT)

EXHAUST FLOW RATE:
1950–4600 m³/h

MAXIMUM AIR COVERAGE:
4 m

AC STREAM 200

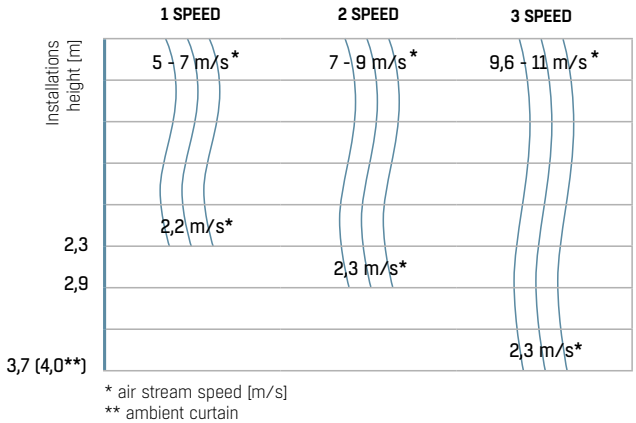
AC STREAM 150

AC STREAM 100

* - width does not include side covers

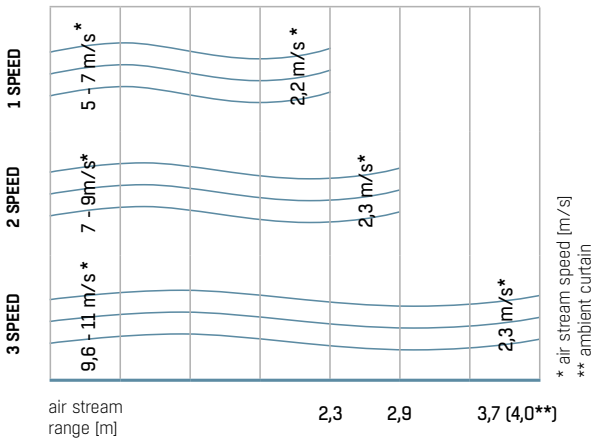
STREAM RANGE

Vertical air stream range
(maximum installation height)



* air stream speed [m/s]
** ambient curtain

Horizontal air stream range
(for vertical installation)



Accessories

HMI AC STREAM EC controller		
Motor support		EC
Power supply voltage	V/ph/Hz	~230/1/50
Permissible load	A	1A for 230VAC 0,02A for 0-10V
Setting range	°C	5...40
Protection rating	IP	20

Wall controller TR110C-B		
Motor support		AC
Power supply voltage	V/ph/Hz	~230/1/50
Permissible load	A	6(3)
Setting range	°C	10...30
Protection rating	IP	30

Door sensor (reed switch)*	
Contact configuration	NO
Switching current	500 mA
Switching voltage	max 200 V
Connection	screw

Valve with actuator (VA-VEH202TA)		
Power supply voltage	V/ph/Hz	~230/1/50
Opening	min	3/3
Kvs	-	4,5
Protection rating	IP	54

Flex. connection hoses (set)		
Lenght	m	0,6-0,9
Connectrion type	GW/ GW	3/4"
Max. fluid pressure	MPa	1,6
Min. working temperature for water	°C	5
Min. working temperature for glycol	°C	-20
Max. working temperature	°C	130
Set includes		hose (2 pcs) gasket (4 pcs)

** cooperations with AC STREAM EC controller*

HMI AC STREAM EC controller

- modern and compact design
- high contrast and clear screen
- advanced calendar for each day in the week
- door sensor cooperation
- BMS systems compatibility
- preset 3-levels speed control
- build-in thermostat
- 3-levels of heating power
- up to 8 air curtains connected with the one controler

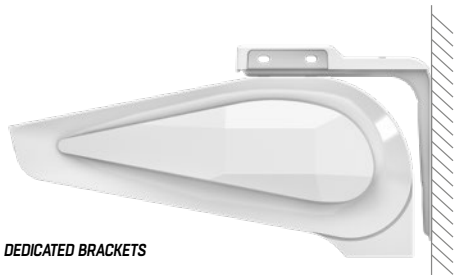
Door Optimum function

Door Optimum function allows to maintain full protection of the door opening and at the same time optimize costs assosiated with its operation. It keeps the air curtain operating on minimum speed, and when the doors are going to be open protect the door opening from the first moment, against access of the outside air. Opening the door increases also the speed of air by +1 or +2 levels, depending on user's preferences.

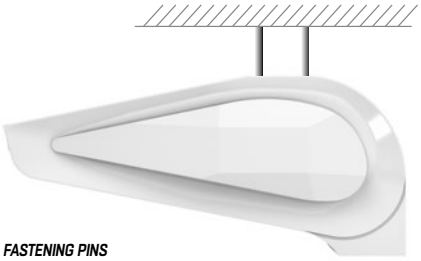
Installation

Dedicated brackets and fixing points enable immediate installation of the curtain.

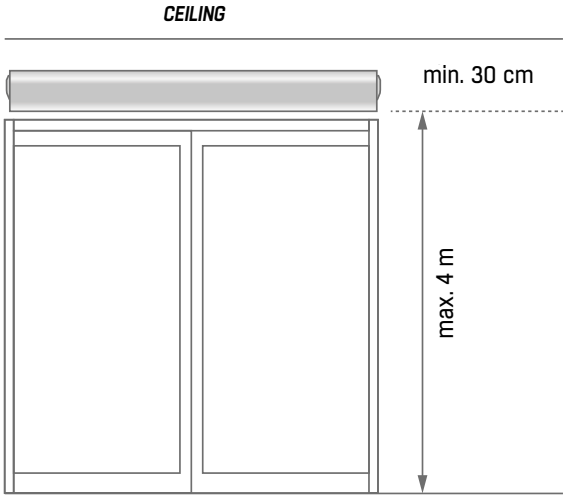
The maximum mounting height is 4m. The minimum distance between the air outlet of the curtain and the ceiling is only 30 cm.



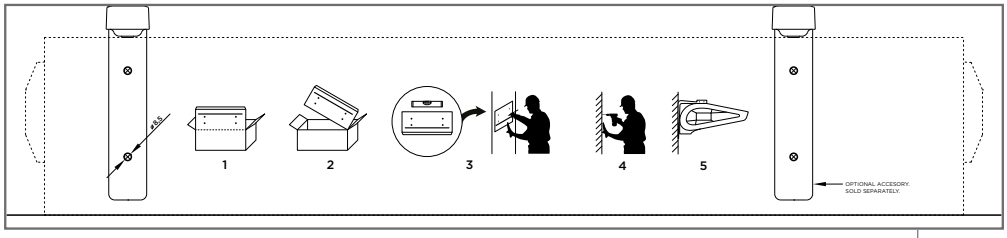
DEDICATED BRACKETS



FASTENING PINS



INSTALLATION TEMPLATE

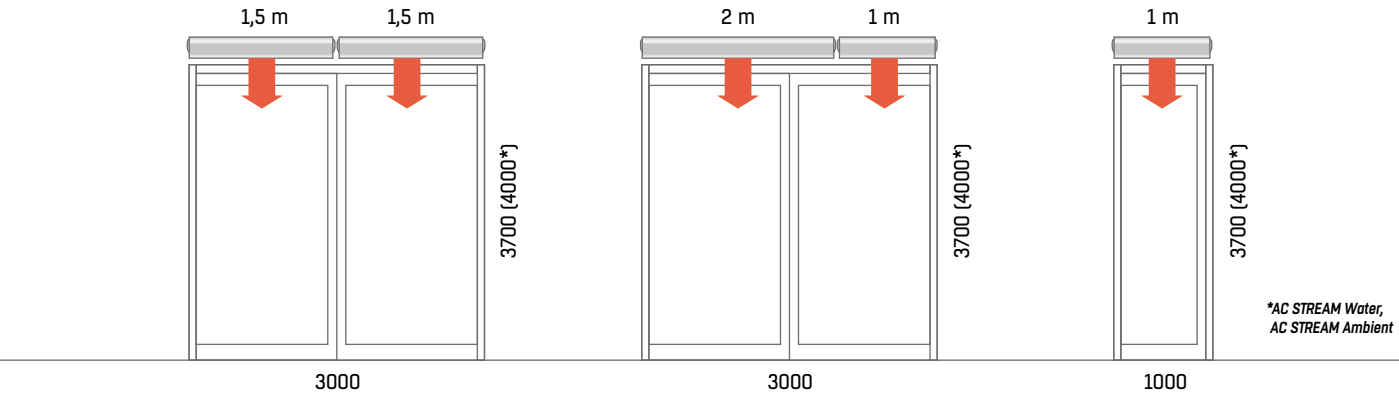


Each package of the AC STREAM Air Curtain comes with a template containing hole spacing and line levelling. All you need to do is to cut the template out of the cardboard lid and you are ready for the assembly.

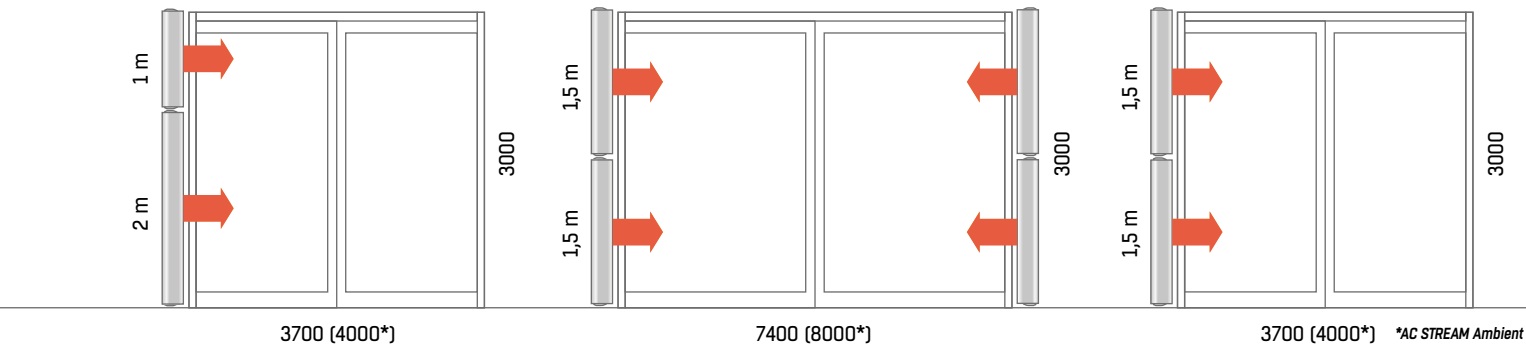
INSTALLATION EXAMPLE

Every AC STREAM Air Curtain can be mounted horizontally and vertically, except for electric. Electric is the only air curtain that cannot be mounted vertically. Due to the slim design, very small height of the housing and the inclined air inlet, the device may be mounted in a limited space above the door, without any effect on performance.

HORIZONTAL INSTALLATION

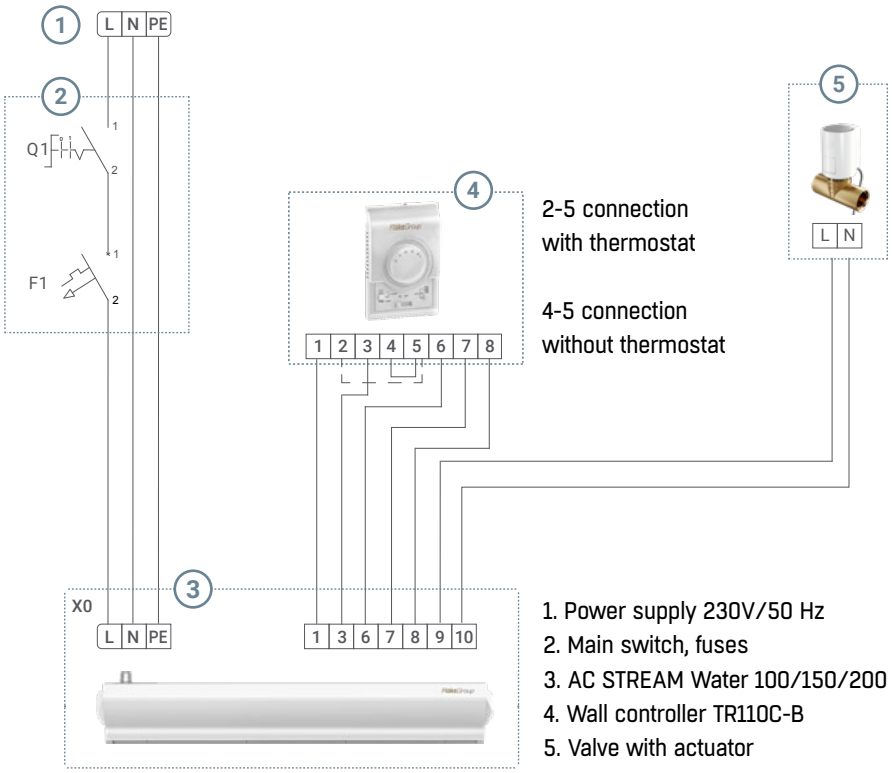


VERTICAL INSTALLATION

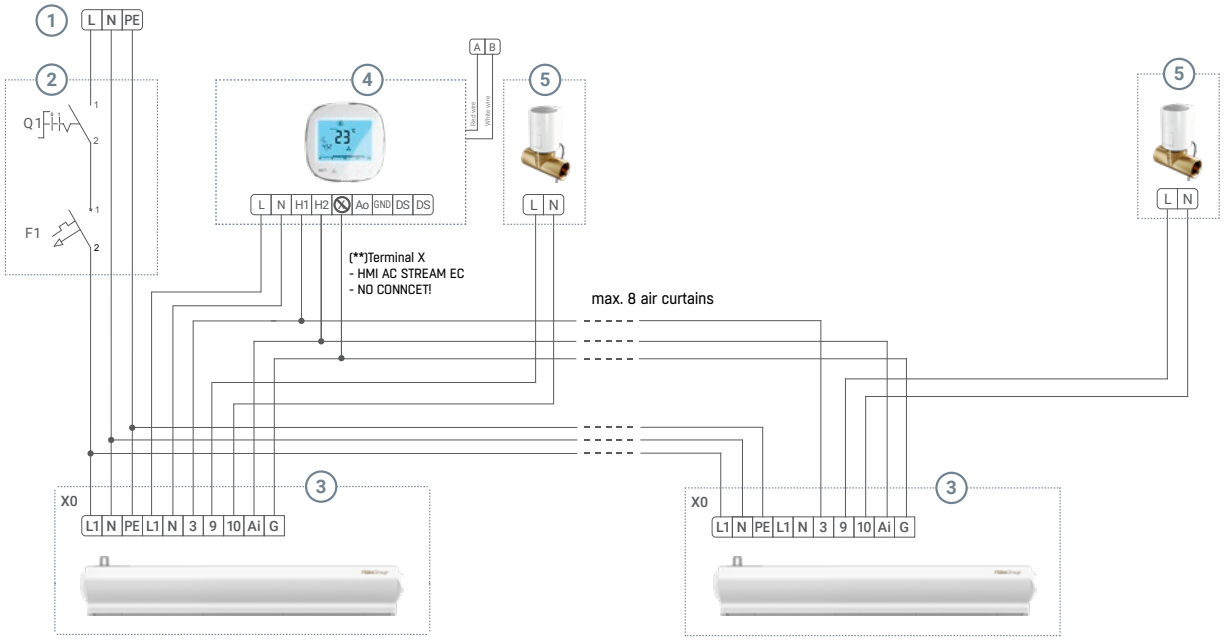


Electric curtain **cannot** be mounted vertically!

SAMPLE CONNECTION DIAGRAM FOR THE AIR CURTAIN



1. Power supply 230V/50 Hz
2. Main switch, fuses
3. AC STREAM Water 100/150/200
4. Wall controller TR110C-B
5. Valve with actuator



1. Power supply 230V/50 Hz
2. Main switch, fuses
3. AC STREAM Water 100/150/200
4. HMI AC STREAM EC controller
5. Valve with actuator

ALL EC AIR CURTAINS ARE CHARACTERIZED BY EASE AND SIMPLICITY OF CONNECTION

TECHNICAL PARAMETERS

Parameters	Unit	WATER AIR CURTAIN						ELECTRIC AIR CURTAIN						AMBIENT AIR CURTAIN					
		AC STREAM ACST10W		AC STREAM ACST15W		AC STREAM ACST20W		AC STREAM ACST10E		AC STREAM ACST15E		AC STREAM ACST20E		AC STREAM ACST10A		AC STREAM ACST15A		AC STREAM ACST20A	
		AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC
maximum door width (1 device)	m	1		1,5		2		1		1,5		2		1		1,5		2	
maximum door height (vertical stream range)**	m	3,7						3,7						4					
maximum exhaustflow rate***	m³/h	1850		3100		4400		1850		3150		4500		1950		3200		4600	
heating power range:	kW	4-17		10-32		17-47		2/6 or 4/6		4/12 or 8/12		6/15 or 9/15		-					
maximum temperature of heating agent	°C	95						-						-					
maximum operating pressure	MPa	1,6						-						-					
water volume	dm³	1,6		2,6		3,6		-						-					
number of heat exchanger rows	pcs	2						-						-					
supply voltage	V/ph/Hz	~ 230/1/50						~230/1/50 for 2kW ~400/3/50 for 2/4/6kW		~400/3/50				~230/1/50					
electric heating coil power	kW	-						2 i 4		4 i 8		6 i 9		-					
electric heating coil current draw	A	-						max 9		6/11,3/ max 17,3		8,5/12,9/ max 21,4		-					
motor power	kW	0,235	0,2	0,375	0,3	0,58	0,45	0,235	0,2	0,375	0,3	0,58	0,45	0,235	0,2	0,375	0,3	0,58	0,45
rated current	A	1,2	1,1	1,7	1,3	2,6	1,9	1,2	1,1	1,7	1,3	2,6	1,9	1,2	1,1	1,7	1,3	2,6	1,9
weight (without water)	kg	23	21,5	32	29	39	37,5	23,5	22	32,5	30,5	41,5	39	20,5	19	27,5	25,5	34,5	32,5
protection rating	IP	20																	
casing colour		RAL 9016, outlet grid: RAL 9022																	

FAN SPEED	NOISE LEVEL	AC STREAM WATER 100/150/200			AC STREAM ELECTRIC 100/150/200			AC STREAM AMBIENT 100/150/200		
		1m	1,5m	2m	1m	1,5m	2m	1m	1,5m	2m
I	dB(A)***	52	53	56	49	51	55	53	54	57
II		55	58	61	51	56	59	59	62	61
III		57	59	62	58	58	60	62	63	63

* available heating power in the control option configuration: AC STREAM ACST10E 2/6 kW or 4/6 kW, for AC STREAM ACST15E 4/12kW or 8/12kW, for AC STREAM ACST20E 6/15 kW or 9/15 kW
** air stream range depends on curtain operation speed
measurement conditions: semi-open space, horizontal installation on the wall, measurement performed 5 m away from the device

AIR CURTAINS WITH WATER HEATERS

AC STREAM ACST10W (WATER AIR CURTAIN)

		Parameter T_z/T_p [°C]															
		90/70 [°C]				80/60 [°C]				70/50 [°C]				60/40 [°C]			
T_{p1}	Q_p [m³/h]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]
5	1850	17,7	32	0,78	0,5	14,8	28	0,65	0,4	11,6	22,8	0,51	0,2	8,0	17	0,35	0,1
	1350	15,0	35	0,66	0,4	12,5	30	0,55	0,3	9,8	24,4	0,43	0,2	5,4	16	0,23	0,1
	880	11,9	38	0,52	0,2	9,8	33	0,43	0,2	7,6	26,5	0,33	0,1	4,6	18	0,20	0,1
10	1850	16,2	35	0,72	0,4	13,3	31	0,59	0,3	10,2	25,8	0,45	0,2	5,0	18	0,22	0,1
	1350	13,8	38	0,61	0,3	11,3	33	0,50	0,2	8,5	27,2	0,37	0,1	4,6	19	0,20	0,1
	880	10,9	41	0,48	0,2	8,9	35	0,39	0,1	6,5	28,8	0,29	0,1	4,0	22	0,17	0,04
15	1850	14,9	39	0,66	0,4	11,9	34	0,52	0,2	8,7	28,7	0,38	0,1	4,3	22	0,19	0,04
	1350	12,6	41	0,56	0,3	10,1	36	0,44	0,2	7,2	29,7	0,32	0,1	3,9	23	0,17	0,04
	880	9,9	44	0,44	0,2	7,9	38	0,35	0,1	4,6	28,6	0,20	0,1	3,4	25	0,15	0,03
20	1850	13,5	42	0,59	0,3	10,5	37	0,46	0,2	7,0	31,3	0,31	0,1	3,5	26	0,15	0,03
	1350	11,4	44	0,50	0,2	8,8	38	0,90	0,1	4,7	29,7	0,20	0,1	3,2	27	0,14	0,03
	880	9,0	47	0,40	0,1	6,9	40	0,30	0,1	4,0	31,9	0,18	0,04	2,8	28	0,12	0,02

AC STREAM ACST15W (WATER AIR CURTAIN)

		Parameter T_z/T_p [°C]															
		90/70 [°C]				80/60 [°C]				70/50 [°C]				60/40 [°C]			
T_{p1}	Q_p [m³/h]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]
5	3100	31,7	34	1,40	2,1	26,9	30	1,18	1,6	22,0	25	0,97	1,2	17,0	20	0,74	0,8
	2050	26,5	37	1,17	1,5	22,5	32	0,99	1,2	18,5	27	0,81	0,9	14,2	22	0,62	0,6
	1420	21,6	40	0,95	1,1	18,3	35	0,81	0,8	15,0	30	0,66	0,6	11,5	24	0,50	0,4
10	3100	29,3	37	1,29	1,8	24,5	33	1,08	1,4	19,6	28	0,86	1,0	14,5	23	0,64	0,6
	2050	24,5	40	1,08	1,3	20,5	35	0,90	1,0	16,5	30	0,72	0,7	12,1	25	0,53	0,4
	1420	19,9	43	0,88	0,9	16,7	38	0,73	0,7	13,4	32	0,59	0,5	9,8	26	0,43	0,3
15	3100	26,9	40	1,19	1,6	22,1	36	0,97	1,2	17,3	31	0,76	0,8	12,1	26	0,53	0,4
	2050	22,5	43	0,99	1,2	18,5	38	0,82	0,8	14,4	33	0,63	0,6	10,0	27	0,44	0,3
	1420	18,3	46	0,81	0,8	15,1	41	0,66	0,6	11,7	35	0,51	0,4	8,0	29	0,35	0,2
20	3100	24,5	44	1,08	1,3	19,8	39	0,87	0,9	14,9	34	0,65	0,6	9,5	29	0,41	0,3
	2050	20,5	46	0,91	1,0	16,6	41	0,73	0,7	12,4	36	0,54	0,4	7,7	30	0,34	0,2
	1420	16,7	49	0,74	0,7	13,5	43	0,59	0,5	10,1	37	0,44	0,3	4,8	28	0,21	0,1

AC STREAM ACST20W (WATER AIR CURTAIN)

		Parameter T_z/T_p [°C]															
		90/70 [°C]				80/60 [°C]				70/50 [°C]				60/40 [°C]			
T_{p1}	Q_p [m³/h]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]	P_g [kW]	T_{p2} [°C]	Q_w [m³/h]	Δp [kPa]
5	4400	46,9	35	2,04	5,6	39,4	30	1,73	4,3	32,6	26	1,43	3,2	25,7	21	1,12	2,2
	3150	40,9	37	1,81	4,5	35,0	32	1,54	3,5	28,9	27	1,27	2,6	22,8	23	1,00	1,8
	2050	34,0	40	1,50	3,2	29,0	35	1,28	2,5	24,1	30	1,05	1,9	19,0	24	0,83	1,3
10	4400	42,7	38	1,89	4,9	36,0	34	1,58	3,7	29,2	29	1,28	2,6	22,3	25	0,97	1,7
	3150	37,9	40	1,67	3,9	31,9	35	1,41	3,0	25,9	30	1,14	2,1	19,8	26	0,86	1,4
	2050	31,4	43	1,39	2,8	26,5	38	1,17	2,2	21,6	33	0,95	1,6	16,4	27	0,72	1,0
15	4400	39,3	41	1,73	4,2	32,6	37	1,43	3,1	25,8	32	1,13	2,1	18,9	28	0,82	1,3
	3150	34,8	43	1,54	3,4	28,9	38	1,27	2,5	22,9	33	1,01	1,7	16,7	28	0,73	1,0
	2050	28,9	46	1,28	2,4	24,0	41	1,06	1,8	19,1	35	0,84	1,2	13,9	30	0,61	0,7
20	4400	35,9	44	1,59	3,6	29,3	40	1,29	2,6	22,5	35	0,99	1,7	15,4	30	0,67	0,9
	3150	31,9	46	1,41	2,9	26,0	41	1,14	2,1	20,0	36	0,87	1,4	13,7	31	0,60	0,7
	2050	26,4	49	1,17	2,1	21,6	43	0,95	1,5	16,6	38	0,73	1,0	11,3	32	0,49	0,5

AMBIENT AIR CURTAINS

AC STREAM ACST10A, ACST15A, ACST20A (AMBIENT CURTAINS)

Parameter	AC STREAM ACST10A			AC STREAM ACST15A			AC STREAM ACST20A		
FAN SPEED	I	II	III	I	II	III	I	II	III
Qp [m³/h]	1050	1500	1950	1500	2250	3200	2340	3400	4600
[dB(A)]*	53	59	62	54	62	63	57	61	63

* measuring conditions: semi-open space, horizontal mounting on the wall, the measurement performed at the distance of 5m from the device

LEGEND

T_z - water temperature at the inlet to the device
T_p - water temperature at the outlet from the device
T_{p1} - air temperature at the inlet to the device
T_{p2} - air temperature at the outlet from the device
P_g - heating power of the device
Q_p - air flow
Q_w - water flow
Δp - pressure drop in the heat exchanger

AIR CURTAINS WITH ELECTRIC HEATERS

AC STREAM ACST10E (ELECTRIC AIR CURTAIN)

T_{p1}	Q_p [m³/h]	P_g [kW]	T_{p2} [°C]
5	1850	2/4/6	8/11/15
	1400	2/4/6	9/12/16
	920	2/4/6	11/16/21
10	1850	2/4/6	13/16/20
	1400	2/4/6	14/17/21
	920	2/4/6	16/21/26
15	1850	2/4/6	18/21/25
	1400	2/4/6	19/22/26
	920	2/4/6	21/26/31
20	1850	2/4/6	23/26/30
	1400	2/4/6	24/27/31
	920	2/4/6	26/31/36

AC STREAM ACST15E (ELECTRIC AIR CURTAIN)

T_{p1}	Q_p [m³/h]	P_g [kW]	T_{p2} [°C]
5	3150	4/8/12	9/12/15
	2050	4/8/12	10/14/19
	1450	4/8/12	13/19/26
10	3150	4/8/12	14/17/20
	2050	4/8/12	15/19/24
	1450	4/8/12	18/24/31
15	3150	4/8/12	19/22/25
	2050	4/8/12	20/24/29
	1450	4/8/12	23/29/36
20	3150	4/8/12	24/27/30
	2050	4/8/12	25/29/34
	1450	4/8/12	28/34/41

AC STREAM ACST20E (ELECTRIC AIR CURTAIN)

T_{p1}	Q_p [m³/h]	P_g [kW]	T_{p2} [°C]
5	4500	6/9/15	9/10/14
	3200	6/9/15	10/12/16
	2150	6/9/15	12/15/21
10	4500	6/9/15	14/15/19
	3200	6/9/15	15/17/21
	2150	6/9/15	17/20/26
15	4500	6/9/15	19/20/24
	3200	6/9/15	20/22/26
	2150	6/9/15	22/25/31
20	4500	6/9/15	24/25/29
	3200	6/9/15	25/27/31
	2150	6/9/15	27/30/36

LEGEND

T_{p1} - air temperature at the inlet to the device
T_{p2} - air temperature at the outlet from the device
P_g - heating power of the device
Q_p - air flow

* available heating capacities in the configuration of control options: AC STREAM ACST10E 2/6kW or 4/6kW, for AC STREAM ACST15E 4/12kW or 8/12kW. For AC STREAM ACST20E 6/15kW or 9/15kW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FAQ

1. HOW TO CHOOSE A PROPER AIR CURTAIN?

The width of the air outlet from the air curtain should be wider than or equal to the width of the door opening. In order to ensure effective protection, set the fan speed to such a level that regardless of the mounting height, the air speed near the floor is not less than 2 m/s.

2. CAN ALL KINDS OF AC STREAM AIR CURTAINS BE MOUNTED IN A VERTICAL AND HORIZONTAL POSITION?

All devices, regardless of the length, are designed to be installed both ways: horizontally (AC STREAM Water/Electric/Ambient) and vertically (AC STREAM Water/Ambient). In the case of vertical installation it is possible to mount the motor pointing upwards or downwards. The mounting method does not affect system stability in any way. Please note that the air curtains with electrical heaters (AC STREAM ACST10E/ACST15E/ACST20E) are not suitable for vertical mounting.

3. HOW TO ADJUST THE ROTATIONAL SPEED OF THE AC STREAM CURTAIN DEPENDING ON THE EXPECTED MOUNTING HEIGHT?

Each model of AC STREAM curtains has three stages of fan speed forced by the controller.

4. WHAT ARE AMBIENT CURTAINS?

AC STREAM ambient curtains are air curtains without any function of air heating. Such curtains are not equipped with a water or electric heater. From the user's point of view this means that the temperature of the air stream at the curtain's outlet is equal to the temperature of the air drawn from the environment.

5. WHAT TEMPERATURE OF THE AIR AT THE INLET SHOULD BE TAKEN INTO ACCOUNT FOR CALCULATING THE HEATING POWER?

The air temperature prevailing in the room or the temperature to be set and maintained by other heating systems.

6. DO THE CONTROLLER AC STREAM AND AC STREAM EC HAVE THE POSSIBILITY OF ADJUSTING THE LEVEL OF THE CURTAIN'S HEATING POWER?

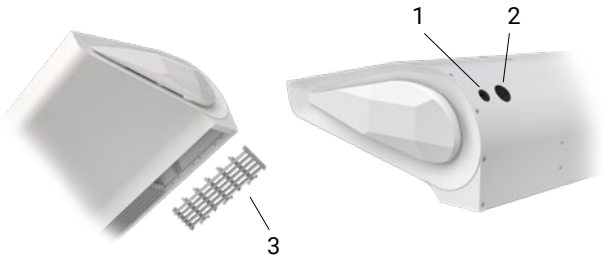
Yes. The controller AC STREAM EC allows adjustment of heating power of the AC STREAM Electric. For AC STREAM Water equipped with a valve it is possible to enable or disable function of heating. Without a valve, the heat exchanger remains in the free flow of the heating agent.

7. WHY IT IS NOT RECOMMENDED TO CONNECT THE DOOR SWITCH ALONG WITH THE VALVE AND ACTUATOR IN THE AC STREAM W CURTAIN?

When connecting a door sensor it is not recommended to use a valve with an actuator due to increased inertia of the system i.e. the heating time of the heat exchanger and the time it takes for the actuator to open the valve.

8. WHERE IN THE CASING OF THE AC STREAM CURTAIN ARE THE ELECTRIC CABLE GLANDS LOCATED?

The glands are located on the right side of the curtain behind the motor. The picture shows the placement of the cable grommets: no. 1 - grommet of the control cables, no. 2 - grommet of the supply lines, no. 3 - outlet grill of the motor.



9. CAN THE CONTROLLER AC STREAM BE CONNECTED TO ANY AMOUNT OF AIR CURTAINS?

Due to the contact load, the wall-mounted AC STREAM controller can be used to supply only one AC STREAM curtain. In order to control more curtains with a single controller, use an additional contactor in the power supply circuit of the curtains. For more detailed information, please consult VTS technical support department.

10. CAN THE AIR CURTAINS BE MOUNTED IN GROUPS?

Yes, it is possible to mount the curtains in groups, which enables the security of the door opening of any length
(eg. 3 m, 3.5 m, 4 m, etc.).

11. CAN THE DOOR SENSOR OFFERED BY FLÄKTGROUP BE CONNECTED TO ANY TYPE OF THE AIR CURTAIN?

The reed switch offered by FläktGroup will be able to serve air curtains with EC motors only. There is a possibility to connect one reed switch to one HMI AC STREAM EC. The controller can control up to 8 AC STREAM EC air curtains.

12. HOW TO PERFORM A PROPER VERTICAL MOUNTING OF THE DEVICE?

For vertical mounting use screws M8x70. Screw 2 or 3 handles through the flat washers to the threaded sleeves mounted at the top section of the housing. Keep a minimum distance of 10 cm from the floor in order to provide access to the water drain nozzles from the heat exchanger and the terminal strip.

13. ARE THE AC STREAM CURTAINS WITH EC MOTORS QUIETER THAN THOSE WITH AC MOTORS?

The noise generated by the air curtain is the result of the fan impeller operation and expeditious flow of air within the device. The motor itself, regardless of the type, generates very little noise, which is incomparably quieter than the noise of the impeller. Therefore, regardless of the motor type the difference in the noise generated by the entire device will be indistinguishable by the human ear.

14. WHAT IS THE MOUNTING HOLE SPACING?

Curtain type	W1 [mm]	W2 [mm]
AC STREAM 100	772	-
AC STREAM 150	507	772
AC STREAM 200	921	910

15. WHAT ARE THE DIMENSIONS OF THE DEVICE PACKAGE?

Curtain type	LxWxH [mm]
AC STREAM 100	1157 x 520 x 310
AC STREAM 150	1675 x 520 x 310
AC STREAM 200	2194 x 520 x 310

16. WHAT TYPE OF AC STREAM CURTAINS ARE PACKED INTO THE PALLETS?

Curtain type	Pallet dimensions [mm]	Number of curtains on the pallet [pcs]
AC STREAM 100	1160x1040	10
AC STREAM 150	1680x1040	10
AC STREAM 200	2200x1040	8

17. CAN I FEED AC STREAM AIR CURTAIN WITH A NON-FREEZE MEDIUM?

Yes, you can. The most frequently used non-freeze medium is a water solution of ethylene glycol. The heaters mounted in AC STREAM can support up to 50% mixtures. Make sure to check, however, if other elements of the technological heat installation (valves, pump, etc.) are adapted to work on glycol mix. To do this, check the recommendations of the manufacturers of particular components used. Remember that the use of glycol mixes, which are usually characterized by higher viscosity and lower thermal capacity, compared to water, increases the resistance of heating medium flow and reduces the heating power of the device.

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