





Comfort Door
Air Curtains

Li

ERP compliant
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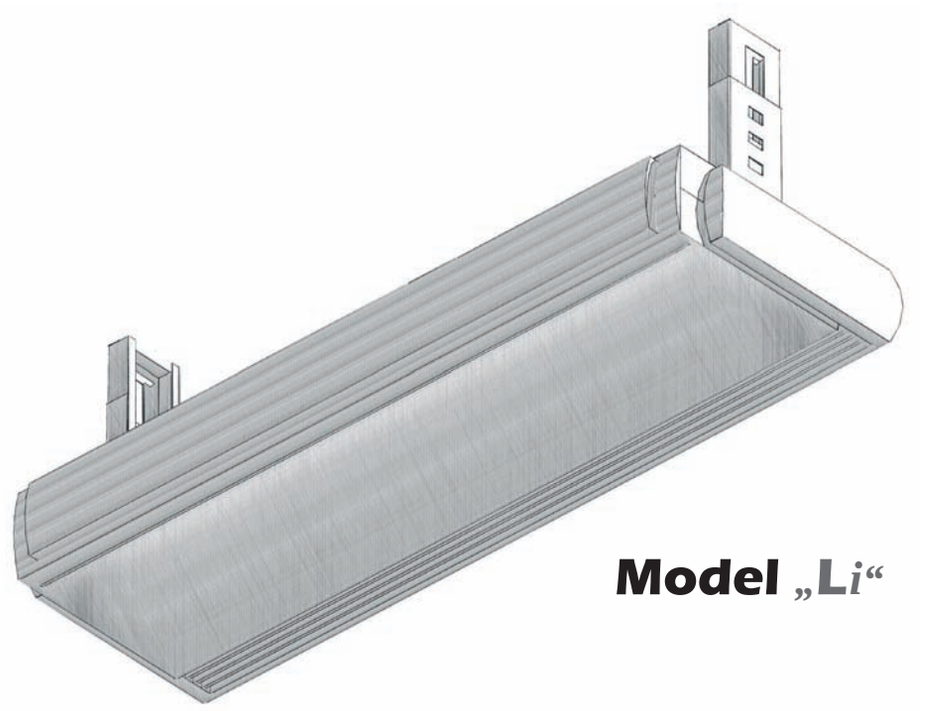
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Comfort air curtains Li are suitable especially for installation in:

- banks and hotels
- office buildings
- light industrial buildings
- shopping malls and supermarkets

To cover the doorspace there are the following possibilities:

- use of circulating inside air - room temperature air only
- use of circulating inside air - heated by electrical or hot water heat exchanger
- fresh air and circulating air - heated by electrical or hot water heat exchanger (on demand)



Model „Li“

position: vertical / horizontal

heating: ambient (no heating) / heated (water/ electric or eventually steam heated)

for the door heights: 2,2; 2,5; 2,8; 3,5m

for the door widths: 1,0; 1,5; 2,0; 2,5m further unit assembly for all kinds of larger door

colour: RAL 7047 (grey) in standard, all other RAL palette colours on demand + colour options of unit adapters - BN

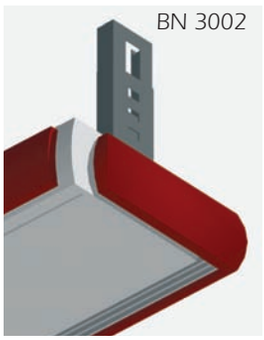
These air curtains are suitable for the installations with high demands on design. Water heated units are equipped with EU2 filter in standard, which helps to keep the air polution free. Li curtains are preferably designed for basic environment.

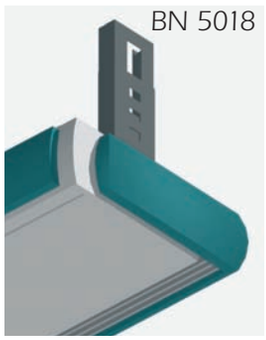


Underview lighting in standard with all models of air curtains.

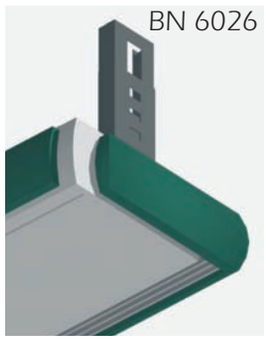
Colour options of unit adapters:

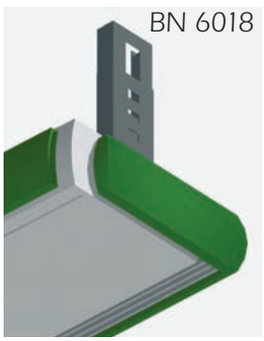
Design adapters can be delivered in several colour otions (BN) see pictures below

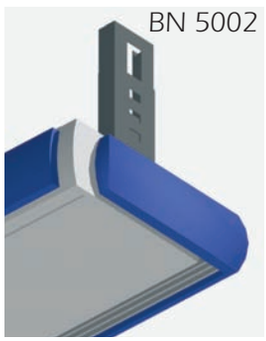


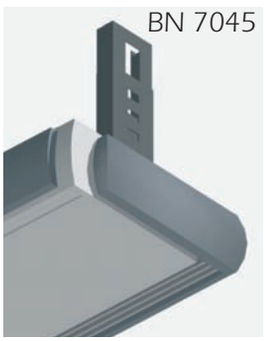


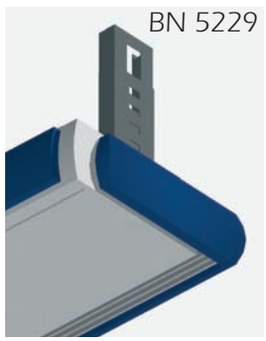




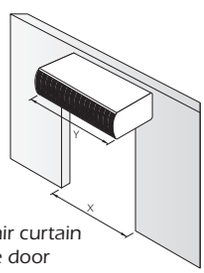




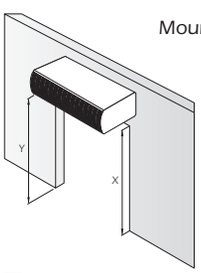




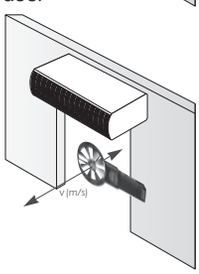
Mounting specifications to be considered:



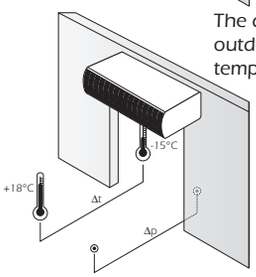
Width of an air curtain regarding the door



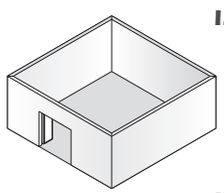
Mounting height



Air speed

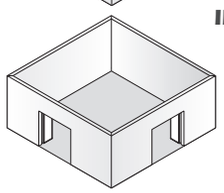


The differences between outdoor and indoor temperature and pressure



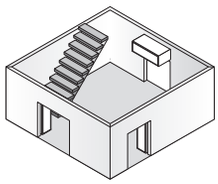
I. Situation

Easy situation:
One entrance, eventually vestibule with a very light wind



II.

Medium situation:
More entrances, no vestibule, heavier gust wind



III.

Hard situation:
More entrances, open storeys, no vestibule, heavy gust wind, underpressure

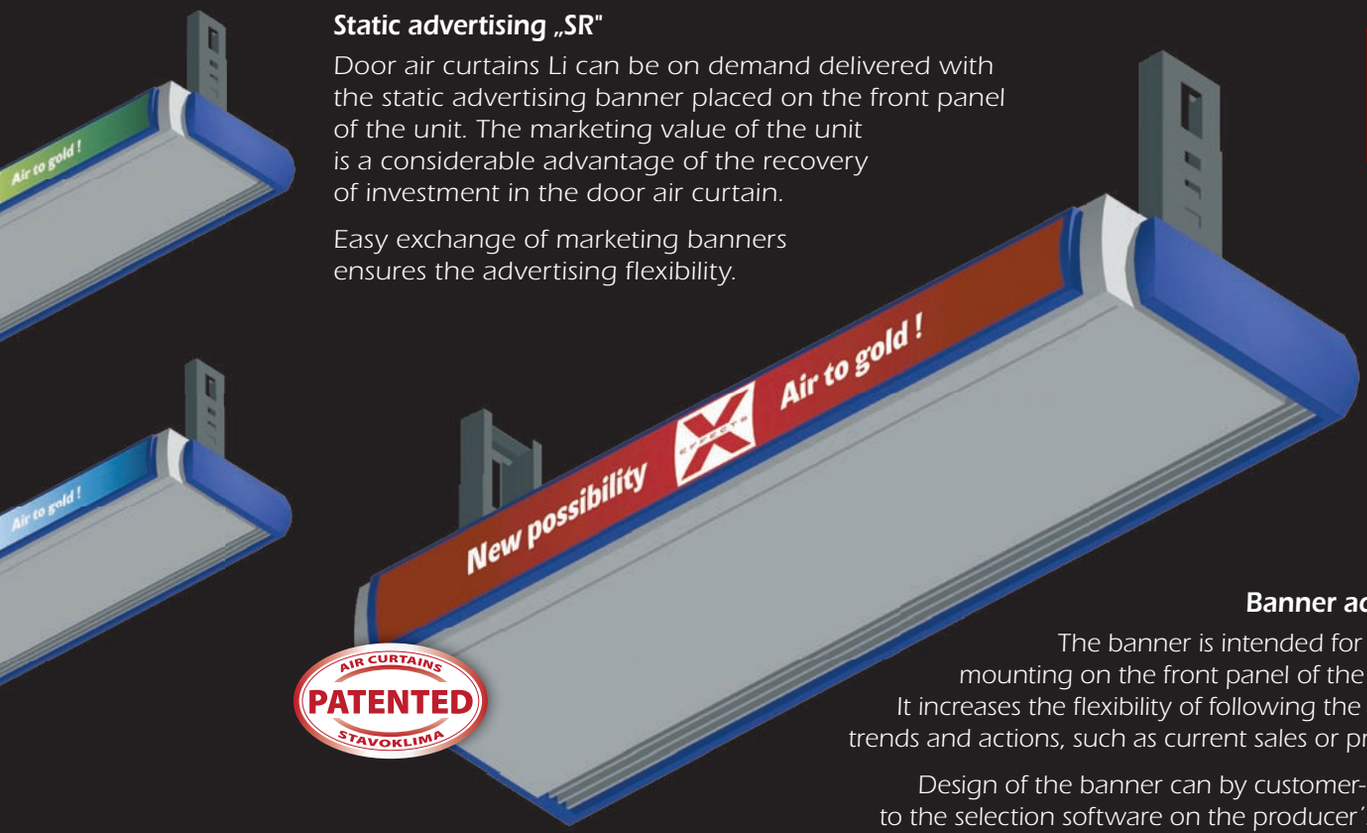
Door air curtains „Li“

Air curtain as an advertisement... new dimension of air curtains

Static advertising „SR"

Door air curtains Li can be on demand delivered with the static advertising banner placed on the front panel of the unit. The marketing value of the unit is a considerable advantage of the recovery of investment in the door air curtain.

Easy exchange of marketing banners ensures the advertising flexibility.





Banner advertising

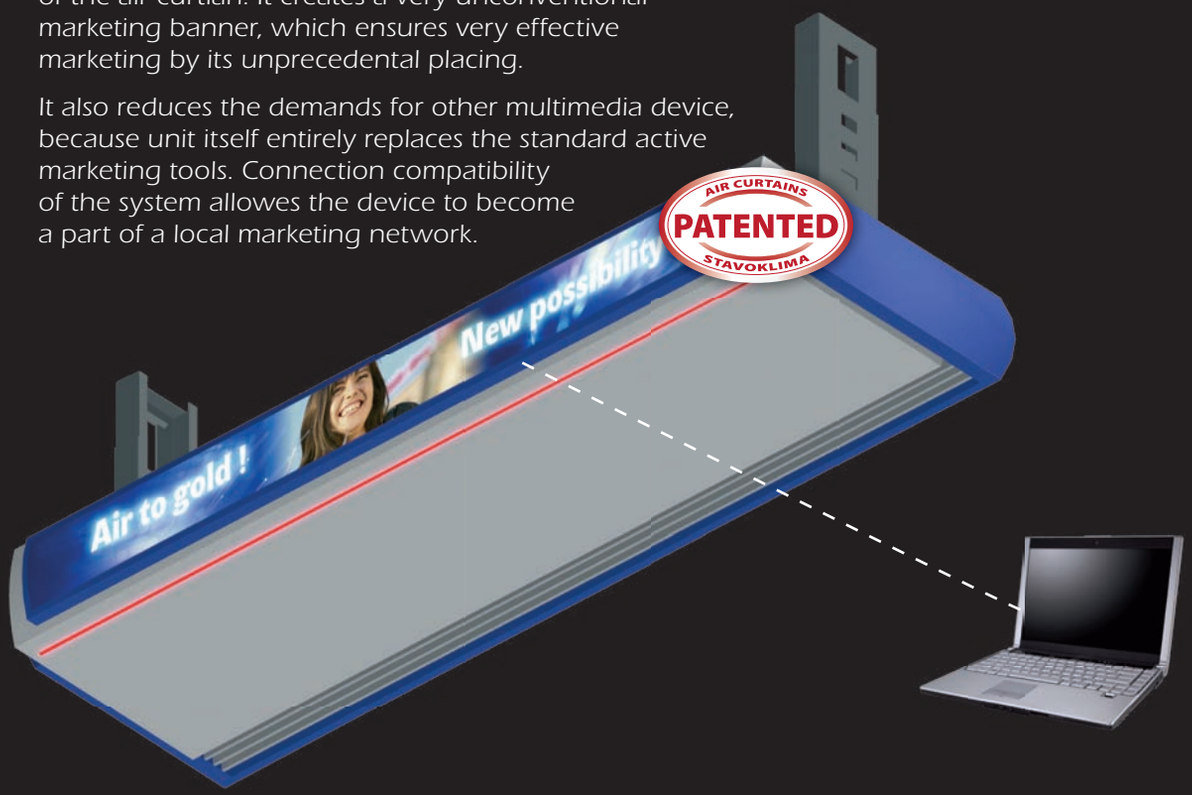
The banner is intended for additional mounting on the front panel of the Li curtain. It increases the flexibility of following the marketing trends and actions, such as current sales or promotions.

Design of the banner can by customer-made due to the selection software on the producer´s web site.

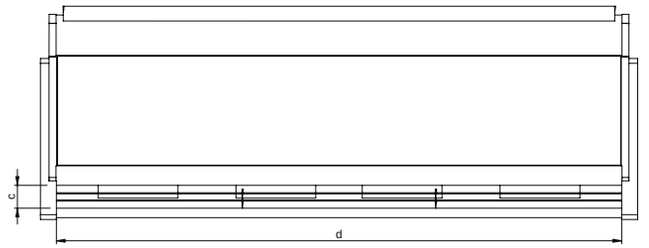
Dynamic advertising „DR"

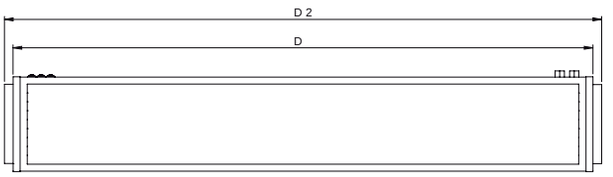
The use of TFT opens a new dimension in use of the air curtian. It creates a very unconventional marketing banner, which ensures very effective marketing by its unprecedental placing.

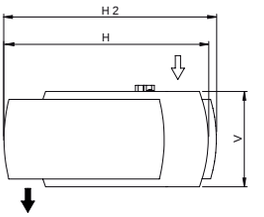
It also reduces the demands for other multimedia device, because unit itself entirely replaces the standard active marketing tools. Connection compatibility of the system allowes the device to become a part of a local marketing network.

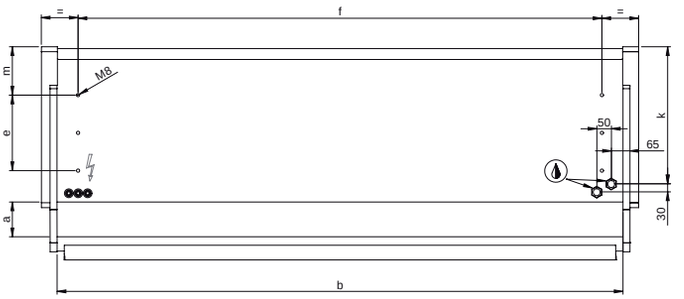


Technical data - dimensions of „Li“

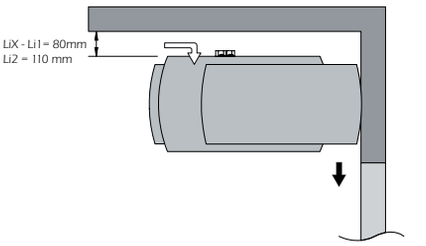




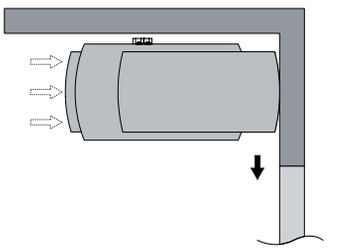




Minimum installation distance



alternative solution for insufficient installation space



Type - comfort air curtain				THCP **100-4-Lix**	THCP **150-4-Lix**	THCP **200-4-Lix**	THCP **250-4-Lix**	THCP **100-4-Li0**	THCP **150-4-Li0**	THCP **200-4-Li0**	THCP **250-4-Li0**	THCP **100-4-Li1**	THCP **150-4-Li1**	THCP **200-4-Li1**	THCP **250-4-Li1**	THCP **100-4-Li2**	THCP **150-4-Li2**	THCP **200-4-Li2**	THCP **250-4-Li2**
Air outlet aperture height.			[m]	2,2	2,2	2,2	2,2	2,5	2,5	2,5	2,5	2,8	2,8	2,8	2,8	3,5	3,5	3,5	3,5
Dimensions	length	D	[mm]	1000	1500	2000	2470	1000	1500	2000	2470	1000	1500	2000	2470	1000	1500	2000	2470
	length	D2	[mm]	1060	1560	2060	2530	1060	1560	2060	2530	1060	1560	2060	2530	1060	1560	2060	2530
Unit	height	V	[mm]	330	330	330	330	330	330	330	330	330	330	330	330	380	380	380	380
	depth	H	[mm]	700	700	700	700	700	700	700	700	700	700	700	700	830	830	830	830
	depth	H2	[mm]	730	730	730	730	730	730	730	730	730	730	730	730	860	860	860	860
Dimensions	width	a	[mm]	120	120	120	120	120	120	120	120	120	120	120	120	140	140	140	140
of the suction grille	length	b	[mm]	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50
Dimensions	width	c	[mm]	80	80	80	80	80	80	80	80	80	80	80	80	100	100	100	100
of the outlet grille	length	d	[mm]	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50	D-50
Mounting		m	[mm]	160	160	160	160	160	160	160	160	160	160	160	160	185	185	185	185
		e	[mm]	260	260	260	260	260	260	260	260	260	260	260	260	320	320	320	320
Mounting		f	[mm]	805	1305	1805	2275	805	1305	1805	2275	805	1305	1805	2275	805	1305	1805	2275
Connection		k	[mm]	470	470	470	470	470	470	470	470	470	470	470	470	560	560	560	560

Technical data

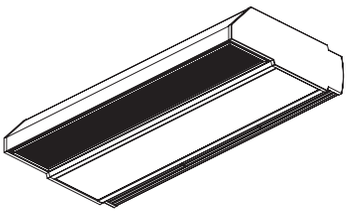
Technical data	THCP **100-4-Lix** N(E)	THCP **150-4-Lix** N(E)	THCP **200-4-Lix** N(E)	THCP **250-4-Lix** N(E)	THCP **100-4-Li0** N(E)	THCP **150-4-Li0** N(E)	THCP **200-4-Li0** N(E)	THCP **250-4-Li0** N(E)	THCP **100-4-Li1** N(E)	THCP **150-4-Li1** N(E)	THCP **200-4-Li1** N(E)	THCP **250-4-Li1** N(E)	THCP **100-4-Li2** N(E)	THCP **150-4-Li2** N(E)	THCP **200-4-Li2** N(E)	THCP **250-4-Li2** N(E)
Air handling capacity [m³/h]	1600	2400	3400	4200	2000	3200	4300	5600	2300	3700	5150	6300	3700	5400	8100	9500
hot water heater (water 80/60/18°C)																
i=18°C capacity ** [kW]	11,6	19,2	27,5	34,6	13,5	22,5	32,3	40,9	15,1	24,3	36,2	45,0	20,5	33,6	50,0	61,2
pressure loss [kPa]	5,3	3,8	9,4	7,2	7,0	5,1	12,6	9,7	8,6	5,8	15,5	11,5	3,8	8,1	5,9	6,6
flow volume rate [m³/h]	0,47	0,79	1,15	1,48	0,58	0,94	1,37	1,73	0,65	1,0	1,55	1,9	0,86	1,44	2,12	2,63
hot water heater (water 60/40/18°C)*																
i=18°C capacity** [kW]	6,5	10,8	15,9	20,0	7,5	12,6	18,6	23,4	8,3	13,5	20,7	25,6	11,0	18,8	27,7	34,2
pressure loss [kPa]	2,0	1,5	3,8	2,8	2,6	1,9	5,0	3,8	3,2	2,2	6,1	4,5	1,3	3,1	2,2	2,5
flow volume rate [m³/h]	0,25	0,43	0,65	0,83	0,29	0,54	0,79	0,97	0,32	0,58	0,86	1,08	0,47	0,79	1,19	1,44
Connection [DN]	20	20	20	20	20	20	20	20	20	20	20	20	20	20	25	32
Electric heater**																
capacity alt 1 Max. [kW]	5	5	10	12,5	5	7,5	12,5	15	5	7,5	15	17,5	7,5	10	15	17,5
capacity alt 2 Max. [kW]	7,5	7,5	12,5	15	7,5	10	15	17,5	7,5	10	20	20	10	12,5	20	22,5
capacity alt 3 Max. [kW]	-	10	15	17,5	10	12,5	17,5	20	10	12,5	22,5	25	12,5	15	25	27,5
capacity alt 4 Max. [kW]	-	-	-	20	-	15	20	22,5	-	15	25	27,5	15	17,5	30	30
power supply*** [V]	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
section [number]	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Fan																
fan power input [W]	540	810	1080	1350	540	810	1080	1350	810	1080	1350	1620	1080	1350	2160	2430
fan current [A]	2,4	3,6	4,8	6,0	2,4	3,6	4,8	6,0	3,6	4,8	6,0	7,2	4,8	6,0	9,8	10,8
fan voltage [V]	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
Controller type - ambient and water heated air curtains	ECON, DITRONIC (PLUS)															
Controller type - electric heating	ECON, DITRONIC (PLUS)															
Degree of protection	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22
Noise level dB (A)	52	53	55	56	55	58	61	63	59	62	62	65	61	63	65	66
Weight [kg]	43	65	83	108	44	67	85	110	45	69	86	111	60	75	100	130

Technical data	THCP **100-4-Lix** NN	THCP **150-4-Lix** NN	THCP **200-4-Lix** NN	THCP **250-4-Lix** NN	THCP **100-4-Li0** NN	THCP **150-4-Li0** NN	THCP **200-4-Li0** NN	THCP **250-4-Li0** NN	THCP **100-4-Li1** NN	THCP **150-4-Li1** NN	THCP **200-4-Li1** NN	THCP **250-4-Li1** NN	THCP **100-4-Li2** NN	THCP **150-4-Li2** NN	THCP **200-4-Li2** NN	THCP **250-4-Li2** NN
Air.handling capacity [m³/h]	1560	2350	3200	4100	2020	3100	4200	5250	2650	3925	5050	6150	3550	5700	7800	9850
hot water heater (water 70/50/18°C)																
i=18°C capacity ** [kW]	12,8	21,6	30,2	38,6	15,0	25,8	36,0	45,2	17,7	29,8	40,3	49,9	23,5	41,0	57,7	73,1
pressure loss [kPa]	3,4	6,9	6,8	5,1	4,5	9,5	9,3	6,8	5,9	12,4	11,5	8,1	7,0	11,5	11,0	9,0
flow volume rate [m³/h]	0,54	0,9	1,29	1,66	0,61	1,08	1,51	1,91	0,76	1,26	1,73	2,12	1,0	1,76	2,45	3,13
hot water heater (water 60/40/18°C)*																
i=18°C capacity** [kW]	9,3	15,9	22,3	28,5	10,8	18,9	26,5	33,2	12,7	21,8	29,6	36,5	16,9	29,9	42,2	53,2
pressure loss [kPa]	1,9	4,2	4,1	3,1	2,6	5,7	5,6	4,0	3,4	7,3	6,8	4,8	4,0	6,8	6,5	5,3
flow volume rate [m³/h]	0,39	0,68	0,94	1,19	0,43	0,79	1,11	1,40	0,54	0,9	1,26	1,55	0,72	1,26	1,80	2,27
Connection [DN]	20	20	20	20	20	20	20	20	20	20	20	20	20	20	25	32
Fan																
fan power input [W]	540	810	1080	1350	540	810	1080	1350	810	1080	1350	1620	1080	1620	2160	2700
fan current [A]	2,4	3,6	4,8	6,0	2,4	3,6	4,8	6,0	3,6	4,8	6,0	7,2	4,8	7,2	9,6	12,0
fan voltage [V]	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
Controller type - ambient and water heated	ECON, DITRONIC (PLUS)															
Degree of protection	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22
Noise level dB (A)	52	53	55	56	55	58	61	63	59	62	62	65	61	63	65	66
Weight [kg]	44	66	85	110	45	68	87	112	47	71	88	113	62	77	103	134

Technical data for „NN“ heat exchangers

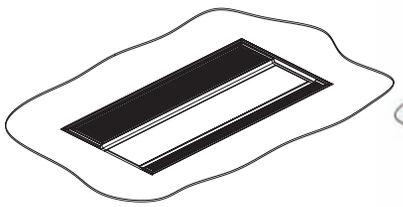
Technical data		THCP **100-4-Lix NX**	THCP **150-4-Lix NX**	THCP **200-4-Lix NX**	THCP **250-4-Lix NX**	THCP **100-4-Li0 NX**	THCP **150-4-Li0 NX**	THCP **200-4-Li0 NX**	THCP **250-4-Li0 NX**	THCP **100-4-Li2 NX**	THCP **150-4-Li2 NX**	THCP **200-4-Li2 NX**	THCP **250-4-Li2 NX**	THCP **100-4-Li2 NY**	THCP **150-4-Li2 NY**	THCP **200-4-Li2 NY**	THCP **250-4-Li2 NY**
Air.handling capacity	[m³/h]	1650	2300	3050	3900	2200	2950	4000	5800	2650	4650	5850	7700	2880	5050	7050	8900
hot water heater (water 40/30/18°C) capacity	[kW]	7,7	12,0	16,5	21,3	9,5	14,4	20,1	28,7	12,0	21,7	28,9	37,6	12,7	23,0	33,0	41,7
pressure loss	[kPa]	4,5	5,9	7,1	10,4	6,5	8,3	10,3	17,8	12,7	15,5	18,8	15,6	14,1	17,2	23,8	18,8
flow volume rate	[m³/h]	0,65	1,0	1,40	1,8	0,79	1,22	1,73	2,45	1,0	1,84	2,45	3,20	1,08	1,95	2,80	3,56
hot water heater (water 35/25/18°C) capacity	[kW]	5,1	8,2	11,3	14,8	6,2	9,7	13,7	19,6	8,1	14,7	19,8	25,7	8,5	15,6	22,5	28,3
pressure loss	[kPa]	2,2	3,1	3,7	5,5	3,1	4,2	5,3	9,2	6,3	7,8	9,7	8,0	7,0	8,7	12,2	9,5
flow volume rate	[m³/h]	0,43	0,68	0,97	1,26	0,50	0,83	1,15	1,66	0,68	1,26	1,69	2,20	0,72	1,33	1,90	2,41
Connection	[DN]	20	20	20	20	20	20	20	20	20	20	25	32	20	20	25	32
Fan fan power input	[W]	540	810	1080	1350	810	810	1080	1350	810	1350	1890	2160	1080	1620	2160	2700
fan current	[A]	2,4	3,6	4,8	6,0	3,6	3,6	4,8	6,0	3,6	6,0	8,4	9,6	4,8	7,2	9,6	12
fan voltage	[V]	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
Controller type - ambient and water heated		ECON, DITRONIC (PLUS)															
Degree of protection		IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22
Noise level	dB (A)	54	57	57	58	58	60	60	61	58	60	61	62	60	61	64	65
Weight	[kg]	43	59	92	99	50	72	100	110	65	79	120	135	65	79	120	135

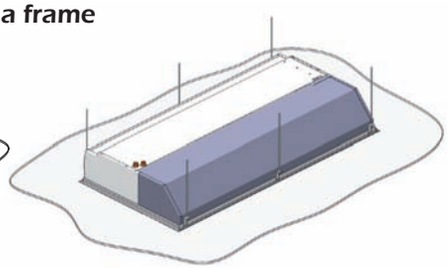
Air curtain 180°



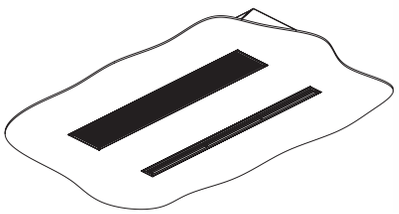
These air curtains are suitable for the installations with high demands on design. Water heated units are equipped with EU2 filter in standard, which helps to keep the air polution free. „Li“ curtains are preferable designed for basic environment.

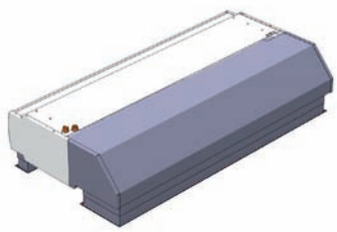
Air curtain 180° version with a frame for a recessed mounting

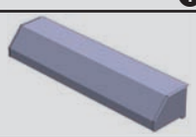
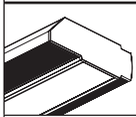
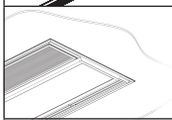
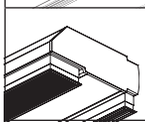




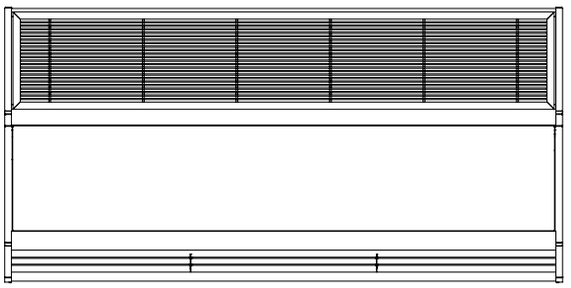
Air curtain - recessed version



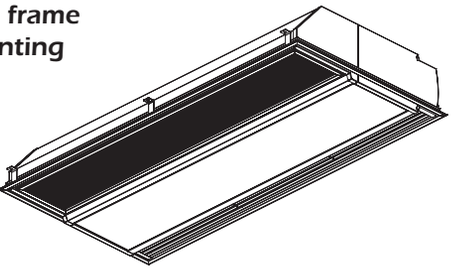


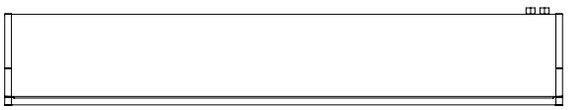
		Suction case ❶	Suction adapter ❸	scution grille ❹	outlet adapter incl. grille ❺	siding frame for 180° version ❻
Accessories for air curtains						
	**Air curtain 180°**	✓	–	✓	–	–
	**Air curtain 180° version with a frame for a recessed mounting**	✓	–	✓	–	✓
	**Air curtain - recessed version**	✓	✓	✓	✓	–

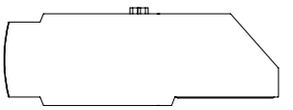
Recessed units

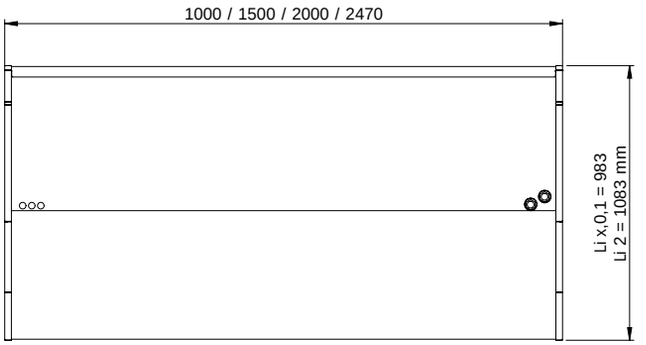


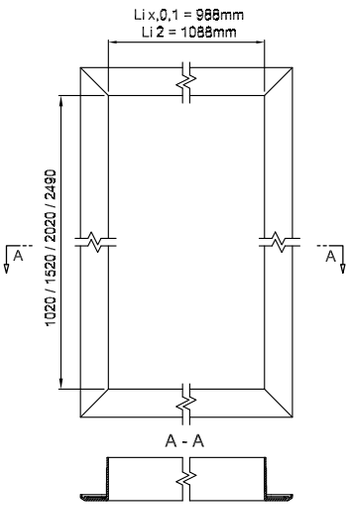
180° version with a frame for a recessed mounting

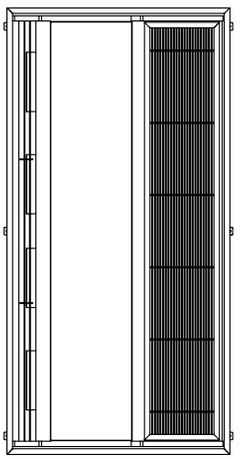


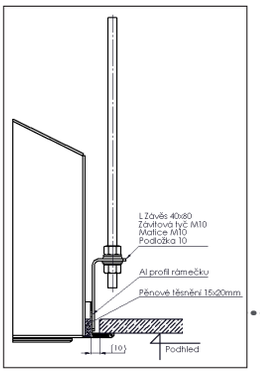


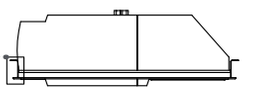




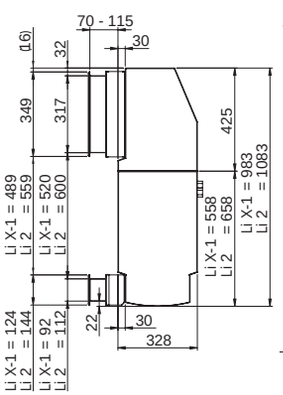


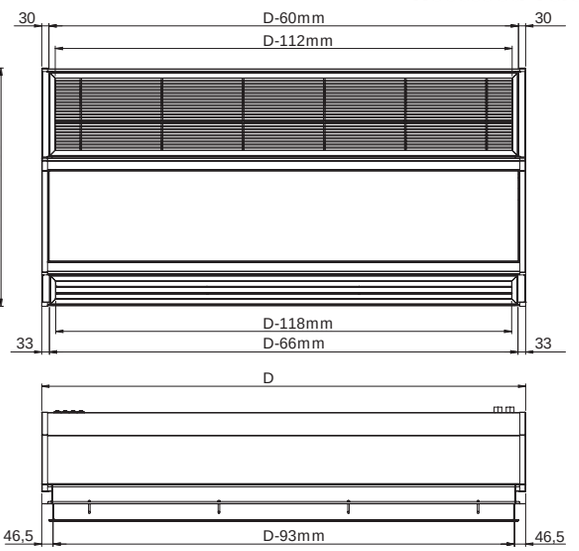


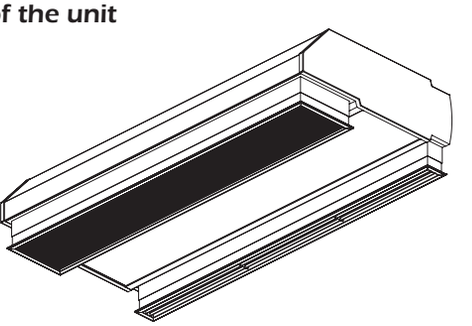




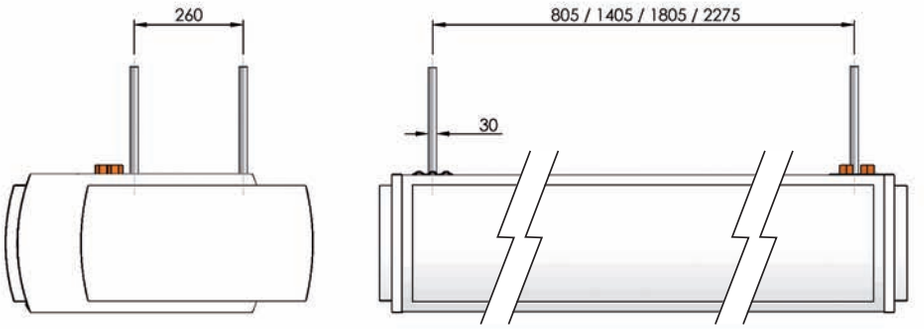
Recessed version of the unit







Suspensions type „T” for Li air curtains

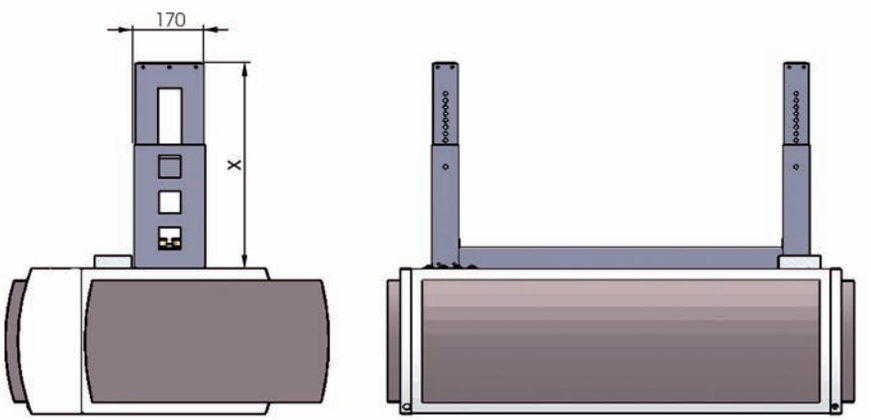


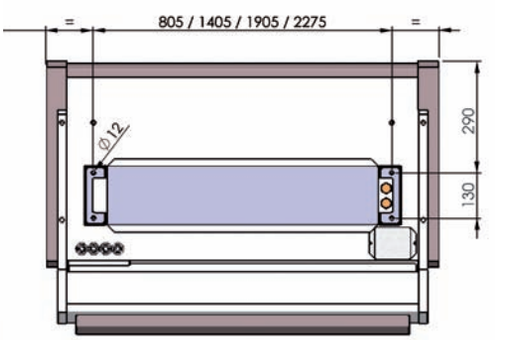
suspension type	"X" (mm)
suspension type „T1”	220 - 1200*
suspension type „T2”	220 - 2200
* Minimum suspension height 120 mm	

The suspension height can be adjusted on demand
Suspension colour - grey RAL 7011 or alluminium eloxal coated

Suspensions type „U” for Li air curtains

Top view



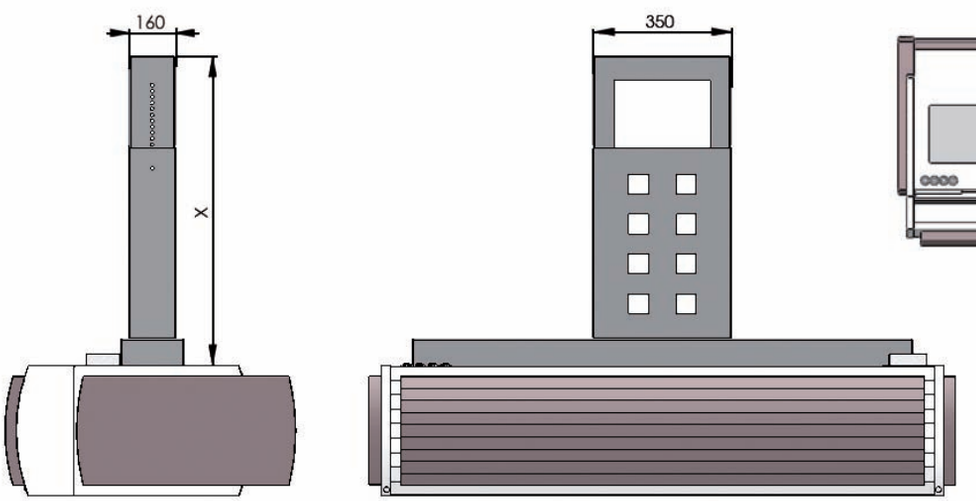


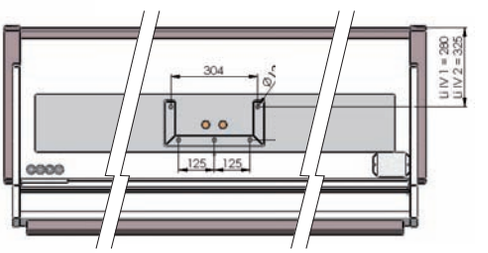
suspension type	"X" (mm)
suspension type „U1”	300 - 465
suspension type „U2”	480 - 810
suspension type „U3”	825 - 1455

The suspension height can be adjusted on demand
Suspension colour - grey RAL 7011 or alluminium eloxal coated

Suspensions type „S” for Li air curtains

Top view



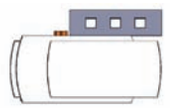
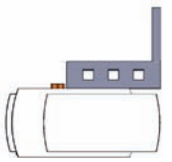
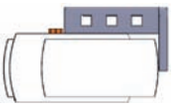


suspension type	"X" (mm)
suspension type „S1”	300 - 480
suspension type „S2”	500 - 875
suspension type „S3”	900 - 1605

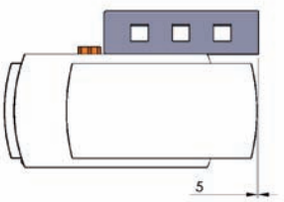
The suspension height can be adjusted on demand
Suspension colour - grey RAL 7011 or alluminium eloxal coated

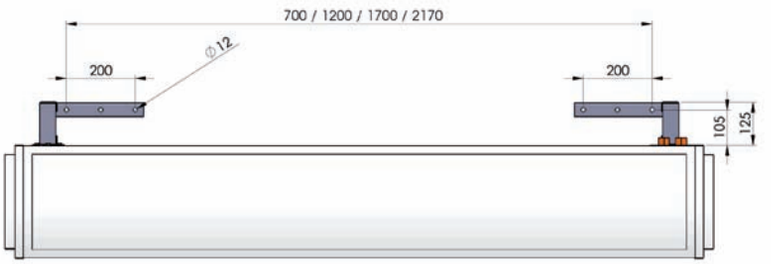
Accessories of air curtains

Wall suspensions type „N” for Li air curtains

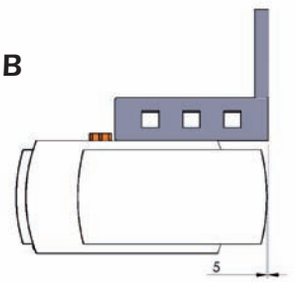
Mounting option **A**	Mounting option **B**	Mounting option **C**	Mounting option **D**
			* Suspension doesn't include threaded rod supply 

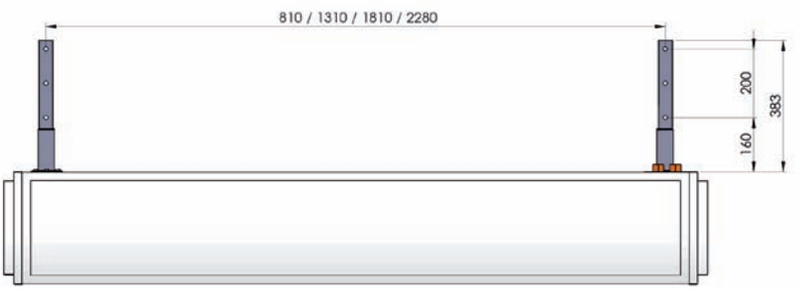
Mounting option **A**



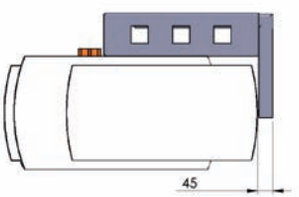


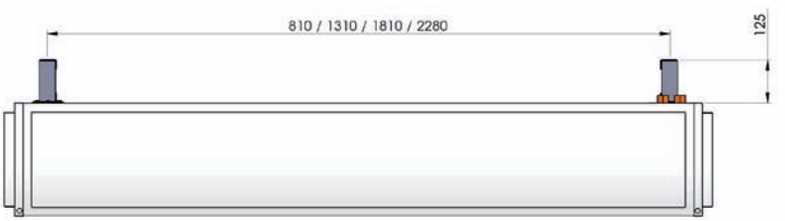
Mounting option **B**



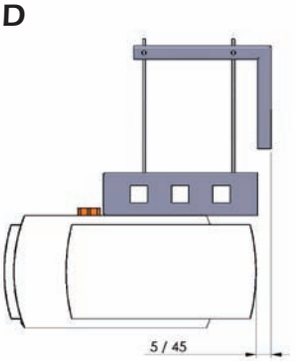


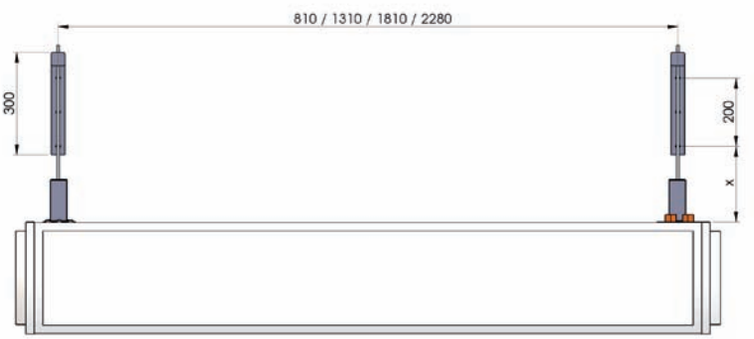
Mounting option **C**





Mounting option **D**





2-way and 3-way valves for temperature regulation

According to the customer requirements, the water heat exchanger can be delivered with integrated 2-way or 3-way valve with a regulation head. The valve gearing can be thermostatic or electrothermic.

Thermostatic valve head is always delivered with separate sensor (20 - 50°C), that is installed behind the heat exchanger - regulation of outlet air.

Thermoelectric valve gearing can be delivered integrated in the heat exchanger. It is characterized by silent and reliable function. If the gearing is in voltage, the sensor is getting warm and after a time delay the gearing continuously closes. When the voltage is out, the gearing starts to continously open. The gearing is always open with no voltage. electrical data: 230V/50Hz - 3V, IP 42.

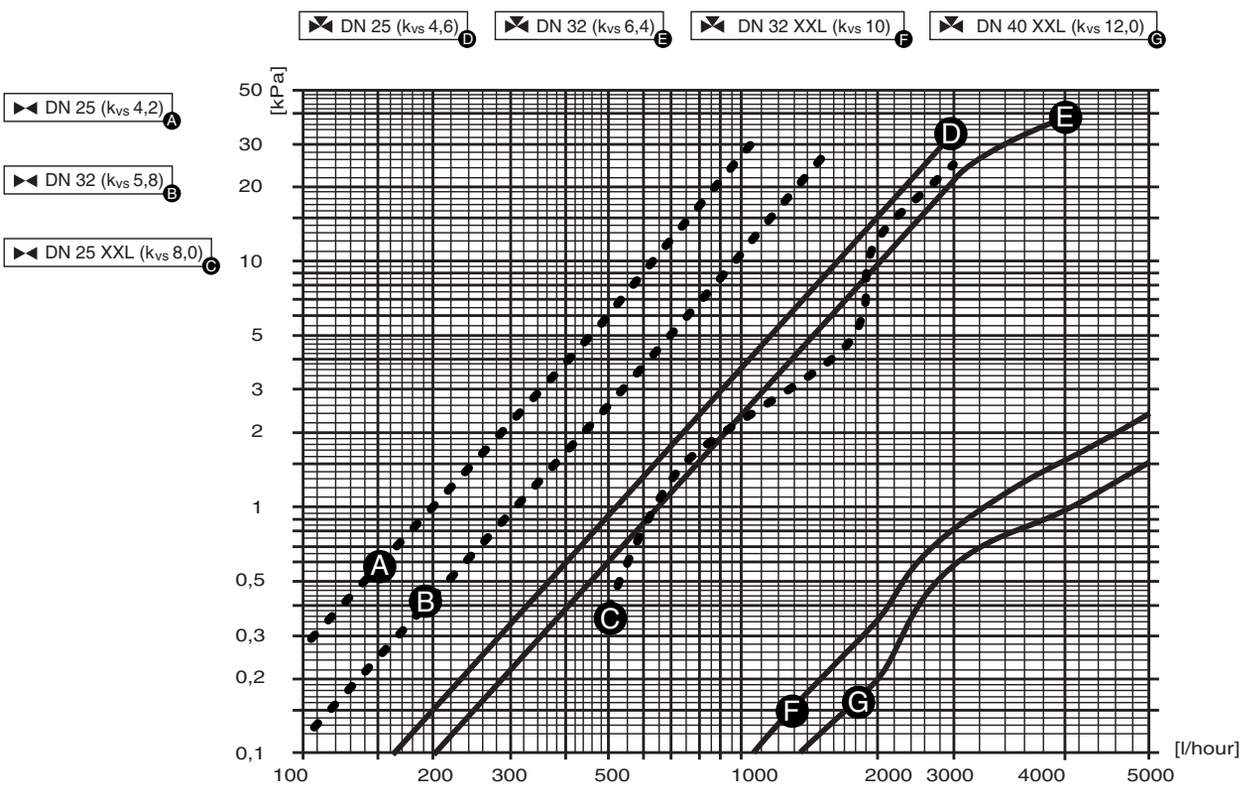
Technical data for valves	kv"** value	admissible working temperature [°C]	admissible working pressure [bar]	admissible pressure difference [bar]
2-way valve - DN 25 (1“)	2,5	120	10	0,25
2-way valve - DN 32 (5/4“)	3,8	120	10	0,25
2-way valve - DN 25 XXL (1“)*	4,3	120	16	0,20
3-way valve - DN 25 (1“)	4,6	100	10	0,50
3-way valve - DN 32 (5/4“)	6,4	100	10	0,25
3-way valve - DN 32 XXL (5/4“)***	10,0	120	10	0,20
3-way valve - DN 40 XXL (2“)***	12,0	120	10	0,20

* high flow valve
** for DN25, 32 valid for (K) 3.0, for DN25 XXL valid for (K) 6.0
*** with thermoelectric gearing only





Diagram for 2-way and 3-way valves



Air curtain control

Controllers suitable for water* and electic air curtains

Controller type	Water heated air curtains	Electric air curtains
Econ	for all types	for all types
DITRONIC (PLUS)	for all types	for all types

*also for ambient air curtains

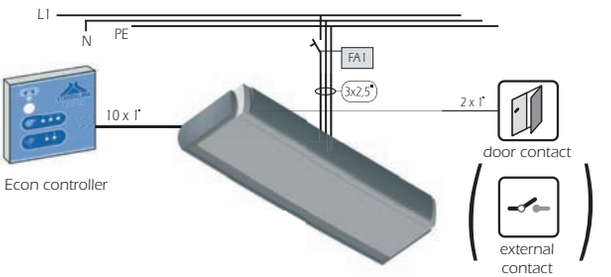
Controller: Econ

Controller description: the controller is intended for the fan and heating (both electric and water) control with the possibility to connect external elements, such as door contact, room or outlet thermostat.

Dimensions: w.71 x h.71 x d.25 (mm)
The controller is suitable for wall mounting only: IP 20



Diagram of water heated unit



Wiring and protection			
FA1	1 X 10A/C	WL1	3Cx 1,5 (2,5)

Econ controller options:

potential-free door contact incl. adjustable time delay	**standard**	small size of the controller, wall mounting, easy handling	**standard**
unit chaining in Master/Slave system	**only with Econ Dual controller**	electrothermic valve control	**standard**
room thermostat unit control via external remote contact	**standard**		

Control system of water and electrical heated air curtains DITRONIC (PLUS)

Controller description:
Ditronic controller is a processor regulator, that allows a lot of additional functions in standard. Due to its design and big display it is suitable for all kinds of interior applications (from basic to the most stylish ones). There are several levels in the controller menu in order to provide the customer with a wide range of control options, from very simple to sophisticated settings. The controller also offers the possibility of setting via PC and USB port (Ditronic plus).

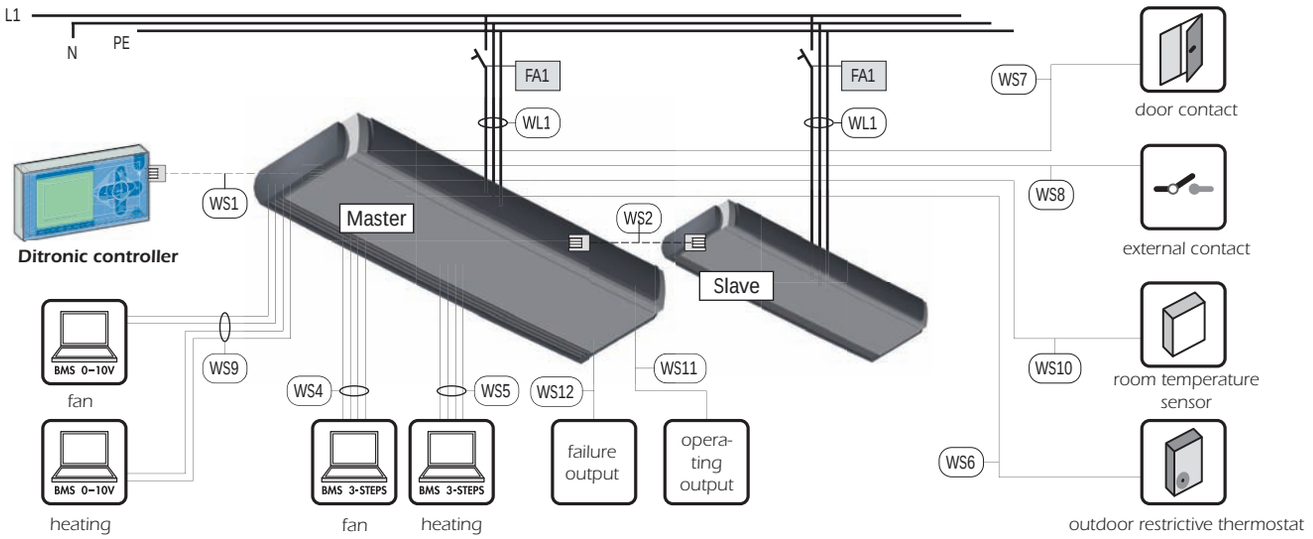


Dimensions of the controller:
DITRONIC (PLUS)
w. 148 x h. 80 x d. 33 (mm)



The controller is suitable for the wall mounting and IP20 environment.
The controller is to be connected via cable with the RJ45 connector, see picture below

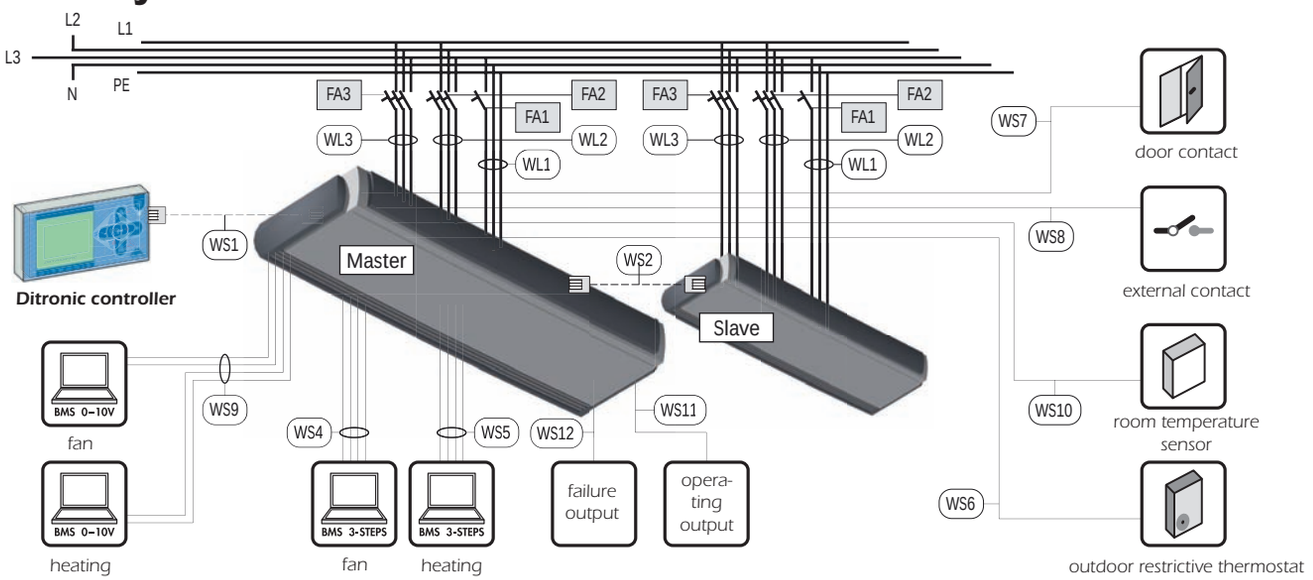
Water heated air curtains - diagram



Cables and Protection - water heated air curtains									
FA1	1 x 10A/C	**WS1**	4 x 2 x 0,5	**WS5**	5D x 1(1,5)	**WS9**	5D x 1(1,5)	**WS13**	4 x 2 x 0,5
FA2	1 x 10A/C	**WS2**	4 x 2 x 0,5	**WS6**	2A x 1(1,5)	**WS10**	2A x 1(1,5)	**WS14**	2D x 1(1,5)
FA3	1 x 10A/C	**WS3**	4 x 2 x 0,5	**WS7**	2A x 1(1,5)	**WS11**	2A x 1(1,5)	–	–
WL1	3C x 1,5(2,5)	**WS4**	5D x 1(1,5)	**WS8**	2A x 1(1,5)	**WS12**	2D x 1(1,5)	–	–

* valid for ambient units, too

Electrically heated air curtain



Cables and Protection - electrically heated air curtains									
FA1	1 x 16A/C	**WL2**	see tab. EO	**WS3**	4 x 2 x 0,5	**WS7**	2A x 1(1,5)	**WS11**	2A x 1(1,5)
FA2	see tab. EO	**WL3**	see tab. EO	**WS4**	5D x 1(1,5)	**WS8**	2A x 1(1,5)	**WS12**	2D x 1(1,5)
FA3	see tab. EO	**WS1**	4 x 2 x 0,5	**WS5**	5D x 1(1,5)	**WS9**	5D x 1(1,5)	**WS13**	4 x 2 x 0,5
WL1	3C x 1,5(2,5)	**WS2**	4 x 2 x 0,5	**WS6**	2A x 1(1,5)	**WS10**	2A x 1(1,5)	–	–

Electric Heater (EO)									
el. heater	cable (WL2)	circuit breaker (FA2)	cable (WL3)	circuit breaker (FA3)	el. heater	cable (WL2)	circuit breaker (FA2)	cable (WL3)	circuit breaker (FA3)
5 kW	5C x 4	3 x 16A/B	5C x 4	3 x 16A/B	**20 kW**	5C x 4	3 x 16A/B	5C x 6	3 x 32A/B
7,5 kW	5C x 4	3 x 16A/B	5C x 4	3 x 16A/B	**22,5 kW**	5C x 4	3 x 16A/B	5C x 6	3 x 32A/B
10 kW	5C x 4	3 x 16A/B	5C x 4	3 x 16A/B	**25 kW**	5C x 4	3 x 32A/B	5C x 6	3 x 32A/B
12,5 kW	5C x 4	3 x 16A/B	5C x 4	3 x 16A/B	**27,5 kW**	5C x 6	3 x 32A/B	5C x 6	3 x 32A/B
15 kW	5C x 4	3 x 16A/B	5C x 4	3 x 16A/B	**30 kW**	5C x 6	3 x 32A/B	5C x 6	3 x 32A/B
17,5 kW	5C x 4	3 x 16A/B	5C x 6	3 x 32A/B	**35 kW**	5C x 10	3 x 32A/B	5C x 10	3 x 50A/B

Air Curtain Regulation

Description of standard functions of Ditronic (Ditronic PLUS) controller for air curtain regulation.

Week time clock
The unit is programable with simple calendar settings in order to run in different mode on working days and during the weekend (options: 1-7 or 1-5 and 6-7).

Anti-frost protection
All water heated air curtains are equipped with anti--frost protection. This protection works in two stages. When the risk of freezing is detected, the valve opens, the fans turn off and a signal sign is displayed on Ditronic.

Room anti-frost protection
The room sensor controlls the temperature inside of the room and sends a signal to the Ditronic controller to avoid the risk of freezing.

Valve settings
The electrothermic valve settings can be changed according to the medium quality.

Indication of the room and outlet temperature
The room, outlet and required temperature is displayed on the front panel.

Door contact
The unit can be controlled with the door contact. After the door is closed, the delayed running is activated.The delayed time period is adjustable.

Keyboard Lock
The buttons can be easily locked to prevent any unwanted changes of settings.

Regulation via room or outlet temperature settings.
The system allows to control the temperature according to the room or outlet air temperature. There is an inbuilt function to restrict the min. outlet temperature at the same time.

Superior system – 3-step BMS
The whole unit can be regulated by the superior regulation system. 3-grade control of heating and fan is inbuilt in standard. At this kind of control the unit is completely controlled by BMS (building management system).

Failure signalization
The unit is equipped with outputs for failure and operation to signalize the failure on the display.

Processor unit control of the electro heater
Electro heater is controlled by an interactive processor, which prevents teh heater from overheating.

Medium temperature indication
Current medium temperature is indicated on the display (water heated units only).



Configuration via USB
interface The controller settings can be done on PC connected to Ditronic Plus via USB cable.

Restrictive exterior thermostat
When the required temperature is reached, the heating (or the whole unit) can be switched of via the restrictive thermostat.

MASTER/SLAVE
The units can be connected in series as Master and Slaves. The room sensor is used for MASTER unit only.

External contact
The Air curtain can be switched on/off from a distant place with the external contact.

Automatic mode
The unit can run in the automatic mode. When the door is closed, the unit runs on the first step (fan and heating). When the door opens, the fans and heating run on the second or third step depending on the controller settings.

Additional heating mode
If necessary, the unit can cover a sudden drop of temperature by turning on the additional heating mode. High heating capacity will be reached in a very short time.

Additional accessories for Ditronic controller

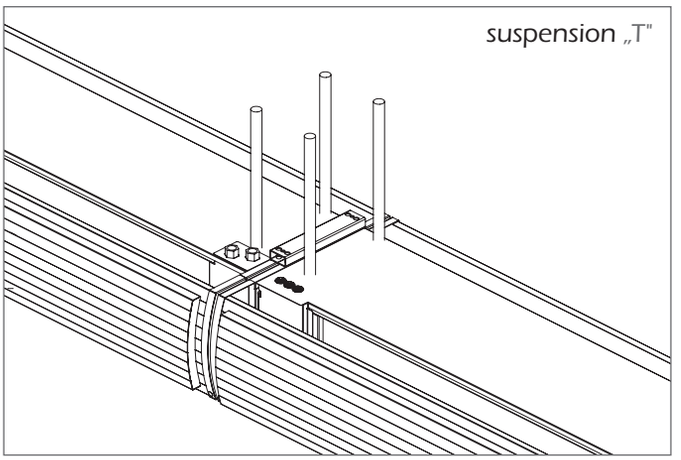
BMS 0-10V
To control the unit by BMS 0-10V it is necessary to order an additional module.



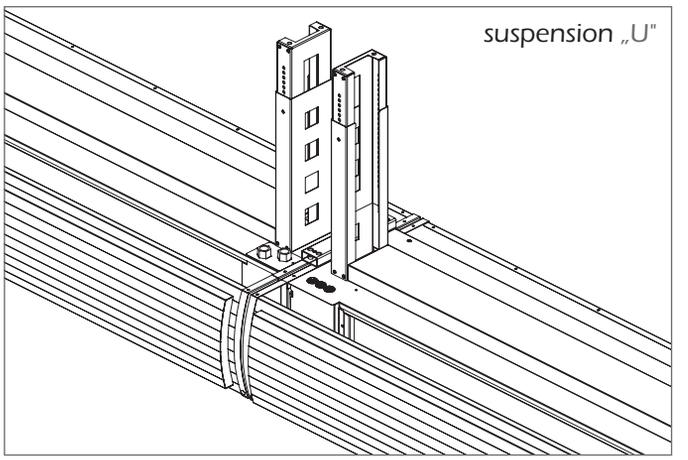
Wireless controller
Wireless controller consists of two parts: a receiver, which has to be installed inside of the air curtain and a remote switch to turn the unit on and off.

Unit jointing „Li“

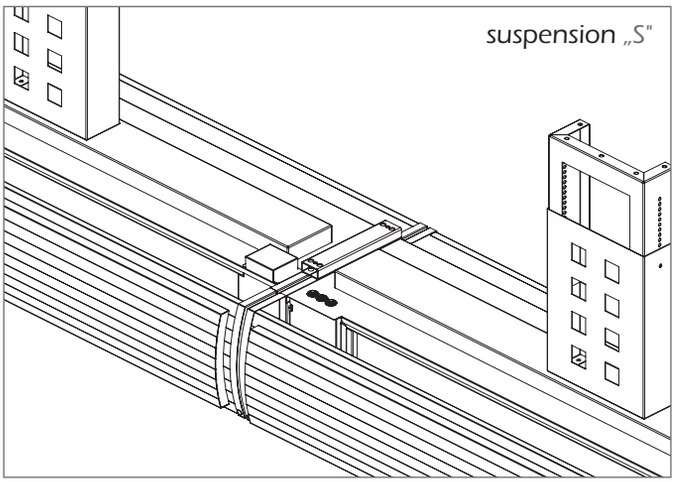
suspension „T"



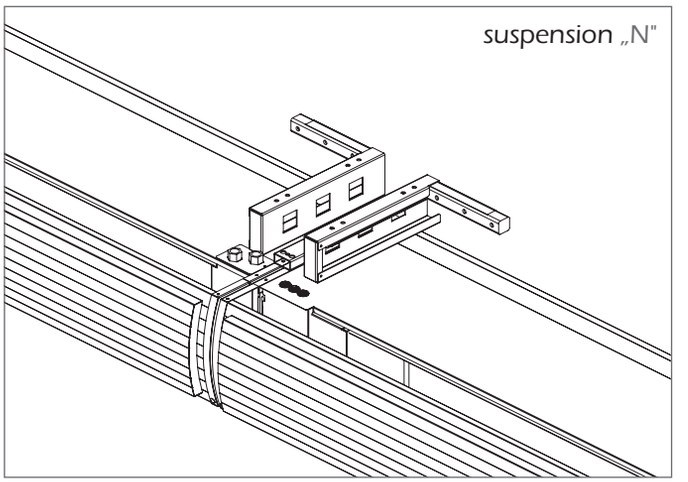
suspension „U"



suspension „S"

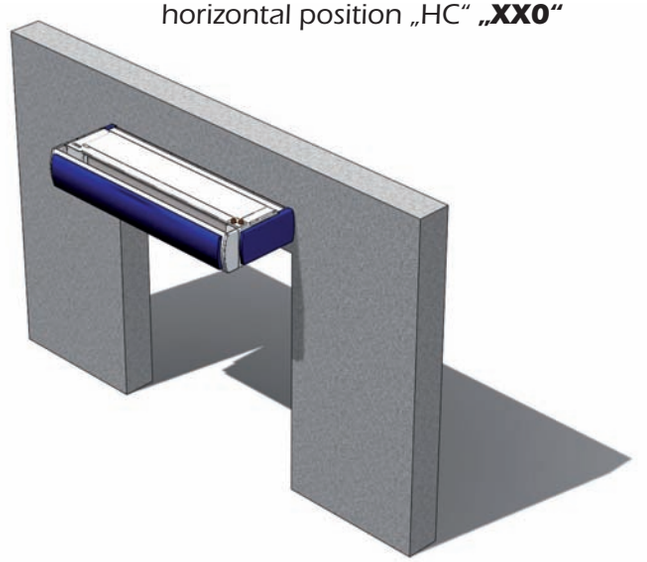


suspension „N"

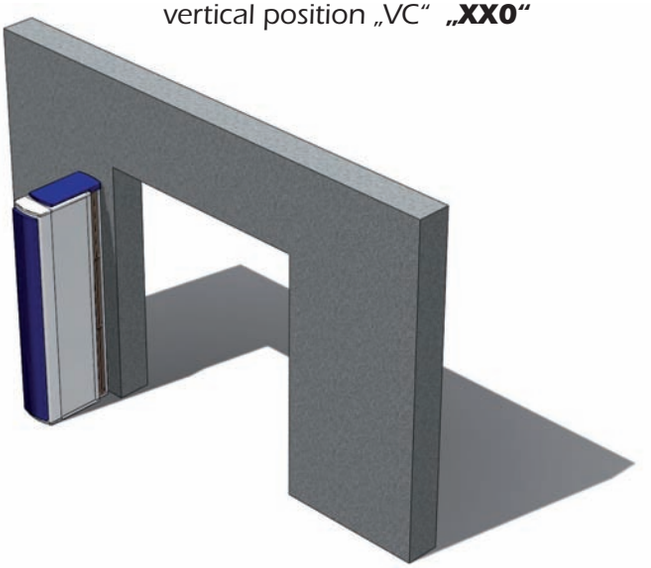


Air curtain position „Li“

horizontal position „HC“ **„XX0“**



vertical position „VC“ **„XX0“**



Order Code:

T – HC – P – 100 – 4 – Li 1N – BN 3002

type

S - no heating
T - heated unit (hot water heat exchanger, electric heater or steam heater)

position

VC - vertical position
HC - horizontal position

heater type

P - heater connections on the right side - front side view)
L - heater connections on the left side - front side view

unit lenght

100 - unit lenght 1000 mm
150 - unit lenght 1500 mm
200 - unit lenght 2000 mm
250 - unit lenght 2500 mm
300 - combination of, (150 + 150) units

production code

4 - internal production code

curtain type

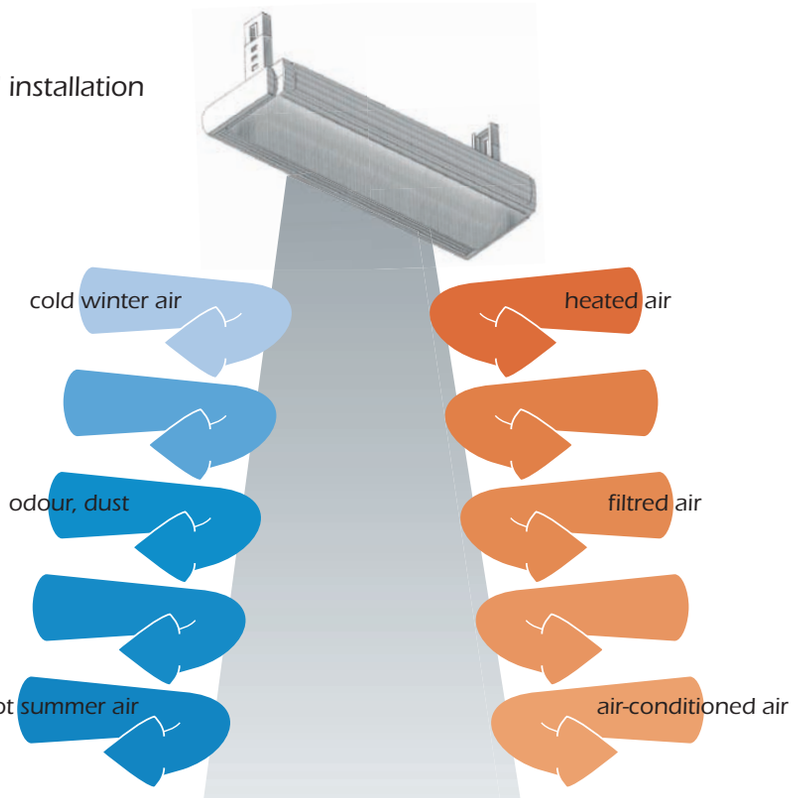
Lix N - capacity level 1; standard heater; recommended mounting height 2,2m
Li0 N - capacity level 2; standard heater; recommended mounting height 2,5m
Li1 N - capacity level 3; standard heater; recommended mounting height 2,8m
Li2 N - capacity level 5; standard heater; recommended mounting height 3,5m
Lix NN - capacity level 1; heater for low-temperature gradients; recommended mounting height 2,2m
Li0 NN - capacity level 2; heater for low-temperature gradients; recommended mounting height 2,5m
Li1 NN - capacity level 3; heater for low-temperature gradients; recommended mounting height 2,8m
Li2 NN - capacity level 4; heater for low-temperature gradients; recommended mounting height 3,5m
Lix E - capacity level 1; electric heater; recommended mounting height 2,2m
Li0 E - capacity level 2; electric heater; recommended mounting height 2,5m
Li1 E - capacity level 3; electric heater; recommended mounting height 2,8m
Li2 E - capacity level 4; electric heater; recommended mounting height 3,5 m

design color

BN 3002
BN 5018
BN 5022
BN 6026
BN 6018
BN 5002
BN 7045
BN 5229
color indicates the RAL code

Accessories:

- ✓ accessories for recessed installation
- ✓ thermostatic valve
- ✓ wall suspensions
- ✓ ceiling suspensions
- ✓ door contact
- ✓ controllers



Eng Li 10/12

Dealership:

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