



Air curtains type

Li-light

ERP compliant

STAVOKLIMA

Li-light air curtains are suitable for installation in all environments with high requirements for interior design. Li-light offers a low cost solution to a wide range of heating issues. Energy efficient operation and easy installation further reduce the costs of heating.
Water heated air curtains are equipped with EU2 filter in standard, which keeps the air pure.

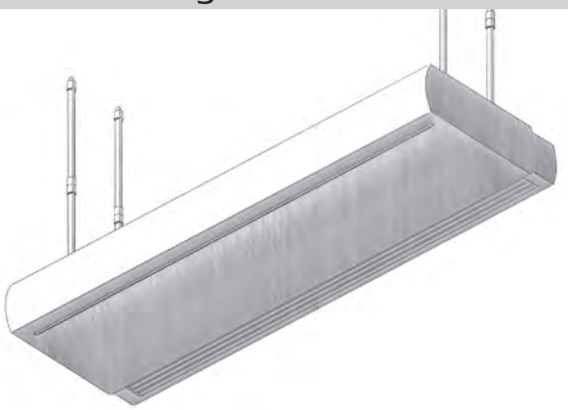
Li-light air curtains are preferably designed for:

- banks and hotels
- offices and commercial buildings
- trade-fair centers and exhibition halls, shops and supermarkets

www.stavoklima.eu

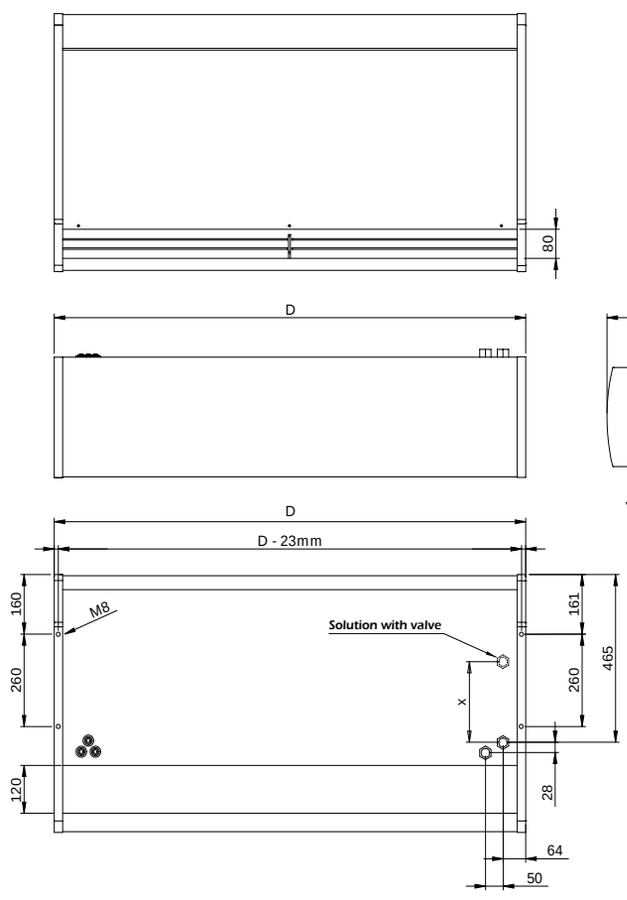
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Technical data - dimensions „Li - light“

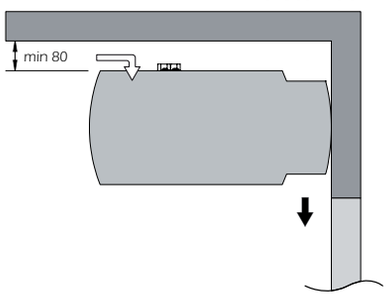


Model				THCP 100-4-Lix Light	THCP 150-4-Lix Light	THCP 200-4-Lix Light	THCP 250-4-Lix Light	THCP 100-4-Li0 Light	THCP 150-4-Li0 Light	THCP 200-4-Li0 Light	THCP 250-4-Li0 Light	THCP 100-4-Li1 Light	THCP 150-4-Li1 Light	THCP 200-4-Li1 Light	THCP 250-4-Li1 Light
Air outlet aperture height			[m]	2,2	2,2	2,2	2,2	2,5	2,5	2,5	2,5	2,5	2,8	2,8	2,8
Dimensions	length	D	[mm]	998	1498	1998	2468	998	1498	1998	2468	998	1498	1998	2468
of the unit	height	V	[mm]	328	328	328	328	328	328	328	328	328	328	328	328
	depth	H	[mm]	700	700	700	700	700	700	700	700	700	700	700	700

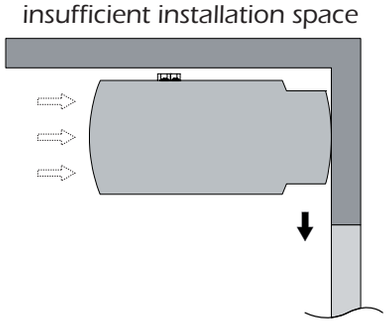
Li Light air curtain is standardly painted in RAL 7047



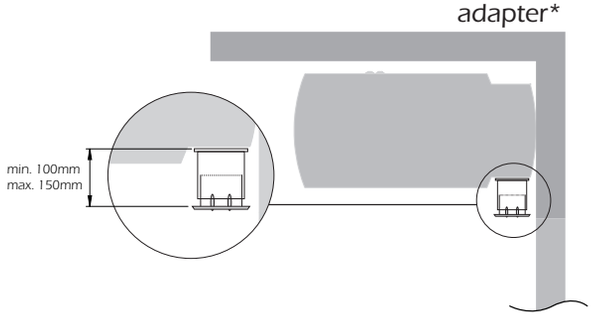
Minimum installation distance



alternative solution for insufficient installation space



solution with outlet adapter*



Technical data for water heated coils N, NN

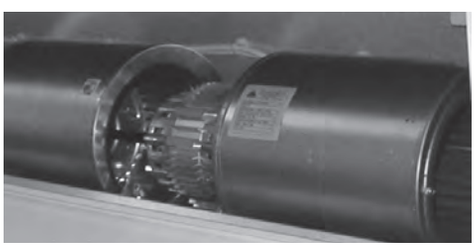
Technical data „N"	THCP **100-4-Lix** N(E) Light	THCP **150-4-Lix** N(E) Light	THCP **200-4-Lix** N(E) Light	THCP **250-4-Lix** N(E) Light	THCP **100-4-Li0** N(E) Light	THCP **150-4-Li0** N(E) Light	THCP **200-4-Li0** N(E) Light	THCP **250-4-Li0** N(E) Light	THCP **100-4-Li1** N(E) Light	THCP **150-4-Li1** N(E) Light	THCP **200-4-Li1** N(E) Light	THCP **250-4-Li1** N(E) Light
Air- handling capacity [m³/h]	1600	2420	3250	4050	2100	3200	4300	5400	2600	3650	5250	6380
Hot water heater (water 80/60°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
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
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
Hot water heater (water 60/40°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
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
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
Connection [DN]	20	20	20	20	20	20	20	20	20	20	20	20
Electric heater												
capacity alt 1 Max. [kW]	5	5	10	12,5	5	7,5	12,5	15	5	7,5	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
capacity alt 3 Max. [kW]	-	10	15	17,5	10	12,5	17,5	20	10	12,5	22,5	25
capacity alt 4 Max. [kW]	-	-	-	20	-	15	20	22,5	-	15	25	27,5
power supply [V]	400	400	400	400	400	400	400	400	400	400	400	400
Ventilátor												
fan power input [W]	540	810	1080	1350	540	810	1080	1350	810	1080	1350	1620
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
fan voltage [V]	230	230	230	230	230	230	230	230	230	230	230	230
Control type cold, hot water and electro heated air curtain	ECON, DITRONIC (PLUS)											
Degree of protection	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
Weight [kg]	43	65	83	108	44	67	85	110	45	69	86	111

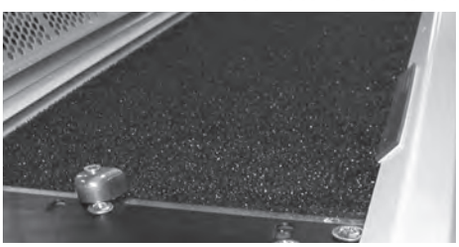
Technical data „NN"	THCP **100-4-Lix** NN Light	THCP **150-4-Lix** NN Light	THCP **200-4-Lix** NN Light	THCP **250-4-Lix** NN Light	THCP **100-4-Li0** NN Light	THCP **150-4-Li0** NN Light	THCP **200-4-Li0** NN Light	THCP **250-4-Li0** NN Light	THCP **100-4-Li1** NN Light	THCP **150-4-Li1** NN Light	THCP **200-4-Li1** NN Light	THCP **250-4-Li1** NN Light
Air- handling capacity [m³/h]	1560	2350	3200	4100	2020	3100	4200	5250	2650	3925	5050	6150
Hot water heater (water 70/50°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
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
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
Hot water heater (water 60/40°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
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
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
Connection [DN]	20	20	20	20	20	20	20	20	20	20	20	20
Ventilátor												
fan power input [W]	540	810	1080	1350	540	810	1080	1350	810	1080	1350	1620
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
fan voltage [V]	230	230	230	230	230	230	230	230	230	230	230	230
Control type cold, hot water and electro heated air curtain	ECON, DITRONIC (PLUS)											
Degree of protection	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
Weight [kg]	44	66	85	110	45	68	87	112	47	71	88	113

**) Heaters with modified or higher capacities are available on request

EU2 grade air filter is installed with hot water air curtains.

High capacity fans with inbuilt overload protection.





Controls for the air curtains

Controller: Econ

Controller description: Econ is intended for fan and heater (water heated or ambient) control, with connection possibility of external elements (door contact, room or outlet thermostat)

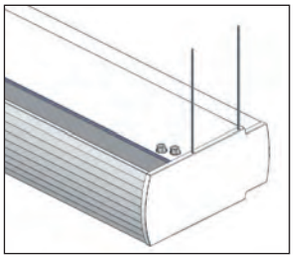
Dimensions: w. 71 x h. 71 x d. 25 mm
The controller is intended only for wall mounting. IP 20



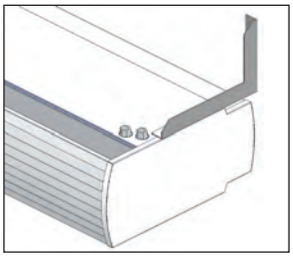
Functions of Econ control:

	Free potential door contact incl. time delay	**standard**
	Connection in Master/Slave	**not possible**
	Room thermostat, control via external remote contact	**standard**
	Small control dimensions, wall mounting	**standard**
	Possibility of electrothermic valve control	**standard**

Suspension possibilities



Underceiling suspension

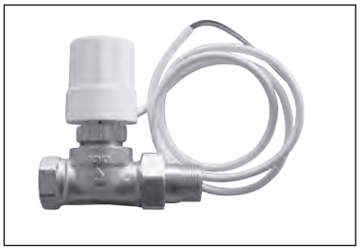


Wall suspension

Heating capacity regulation



Thermostatic head for 2-way or 3-way valve



Electrothermic gear for 2-way or 3-way valve

Controller: Ditronic (PLUS)

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).

The controller is intended for wall mounting IP 20. Control connection via cable with connector RJ 45 see pic.





Dimensions:
DITRONIC (PLUS)
- w. 148 x h. 80 x d. 33 [mm]

- The system allows to control the temperature according to the room or outlet air temperature.
- The unit can be operated according to the week regime. You can choose the regime 1-7 or 1-5; 6-7.
- The unit can be operated from the door contact with time delay.
- The whole unit can be operated from the superior regulation systems.
- Anti-frost protection of the room.
- Series connection of devices in the Master/Slave mode.

For other functions see catalogue Li.

Representation:

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