

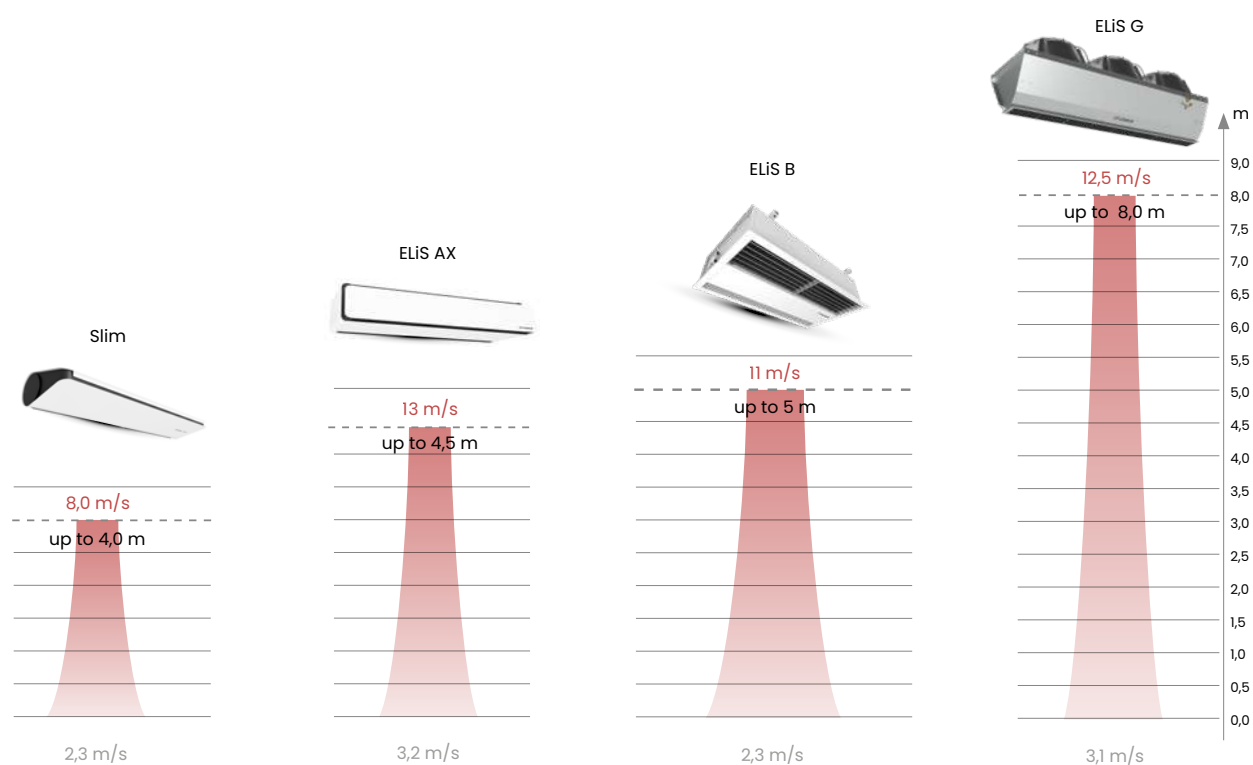


Slim

Modern air
curtains

Compare ELiS solutions

Air curtains FLOWAIR is a wide range group of units adapted to various types of commercial and industrial facilities. Depending on the characteristics of the building, it is possible to select a device to individual needs.



N – without heating elements („ambient“)

W – water heat exchanger

E – electric heaters

– speed limit at the floor level

– outlet air velocity

	Slim	ELiS AX	ELiS B	ELiS G
Version	W/E/N	W	W/E/N	W/E/N
Height of installation	up to 4,0 m	up to 4,5 m	up to 5 m	up to 8,0 m
Air flow	770–3050 m ³ /h	up tp 6100 m ³ /h	2000–6600 m ³ /h	4100–12800 m ³ /h
Noise	33,5–58 dB(A)	up to 65 dB(A)	55–66 dB(A)	44–69 dB(A)
BMS	via DRV Slim	as standard	as standard	via DRV ELiS

The sound pressure level measured in a room with an average sound absorption capacity, 1500 m²; directivity factor Q = 2



Air curtains Slim



Range

up to 4,0 m



Airflow

770 - 3050 m³/h



Weight

14,7 - 28,4 kg



Heating capacity

1,2 - 47,7 kW



Colors

White with black elements
and deep black



Casing

Steel

Device types available

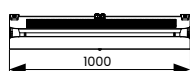
- 3 lengths - 1 m; 1,5 m or 2 m
- 3 versions: W - water heat exchanger, N - without heating elements („ambient“), E - electric heaters

Application

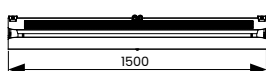
The Slim curtain will work wherever doors are often opened, in shops, restaurants, service salons. Slim fits 99% of door openings. The curtain is designed for horizontal installation

directly above the door opening and for vertical installation at the side parts of the opening.

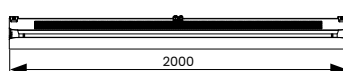
Dimensions



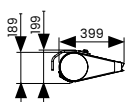
SLIM N|W|E-100



SLIM N|W|E-150



SLIM N|W|E-200



Technical data

	SLIM E-100	SLIM W-100	SLIM W-100-2R	SLIM N-100	SLIM E-150	SLIM W-150	SLIM W-150-2R	SLIM N-150	SLIM E-200	SLIM W-200	SLIM W-200-2R	SLIM N-200
Power supply [V/Hz]	230 / 50 or 3x400 / 50	230 / 50	230 / 50	230 / 50	230 / 50 or 3x400 / 50	230 / 50	230 / 50	230 / 50	230 / 50 or 3x400 / 50	230 / 50	230 / 50	230 / 50
Max. power consumption [kW]	5,1	0,12	0,1	0,14	9,2	0,17	0,15	0,12	12,2	0,22	0,19	0,23
Max. current consumption [A]	8,5	0,5	0,4	0,6	13,0	0,7	0,7	0,8	17,3	1,0	0,9	1
IP	20	20	20	20	20	20	20	20	20	20	20	20
Connection [°]	–	1/2	1/2	–	–	1/2	1/2	–	–	1/2	1/2	–
Air flow ⁽¹⁾ [m³/h]	800–1300	770–1100	770–1050	800–1400	1250–2200	1200–1940	1150–1830	1300–2300	1900–3000	1760–2910	1730–2670	1790–3050
Acoustic pressure level ⁽²⁾ [dB(A)] – 5 m	43–56	45–55	45–55	43–57	40–54	44–56	44–56	41–56	42–57	37–58	37–58	34–56
Acoustic power level ⁽³⁾ [dB(A)]	59–72	61–70	61–70	59–73	56–70	59–72	59–72	56–72	60–73	53–74	53–74	49,5–72
Heating capacity ⁽⁴⁾ [kW]	2–5	1,2–12,1	1,9 – 20,4	–	3–9	2,6–21,0	4,3–35,3	–	4–12	3,7–29,3	6,4 – 47,7	–
Max. water temperature [°C]	–	110	110	–	–	110	110	–	–	110	110	–
Max. operating pressure [MPa]	–	1,6	1,6	–	–	1,6	1,6	–	–	1,6	1,6	–
Curtain's air temperature rise ⁽⁴⁾ (ΔT) [°C]	5,0–19,0	3,0–32,5	5,2 – 57,4	–	4,0–21,0	4,0–32,0	6,8 – 57	–	4,0–19,0	4,0–35,0	6,9 – 55	–
Unit weight [kg]	15,1	16,2	17,3	14,7	19,6	21,5	22,7	19	24,6	26,9	28,4	23,8
Range ⁽¹⁾ [m]	3,5	3,5	3,5	4,0	3,5	3,5	3,5	4,0	3,5	3,5	3,5	4,0

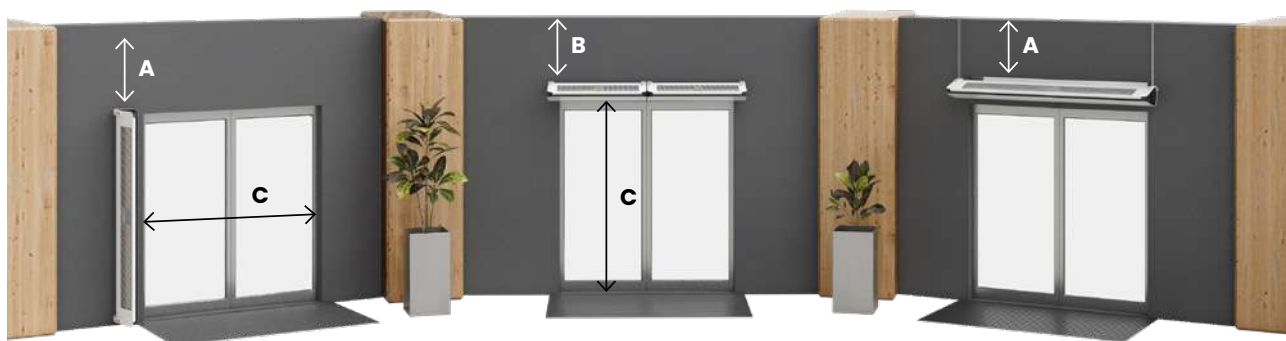
(1) according to ISO 27327-1

(2) the sound pressure level measured in a room with an average sound absorption capacity, 1500 m²; directivity factor Q = 2

(3) sound power level according to ISO 27327-2

(4) Slim W power and temperature range specified for the parameters: fan speed III, heating medium temperature 40/30°C air temperature at the inlet to the device 20°C – fan speed III, heating medium temperature 110/90°C air temperature at the inlet to the device 0°C; Slim E power range for operation at IN 230/50 to operation at 3N 400/50

Installation Slim



A – min. 10 cm

B – min. 9 cm

C – max. 4.0 m

Installation elements

Brackets for Slim

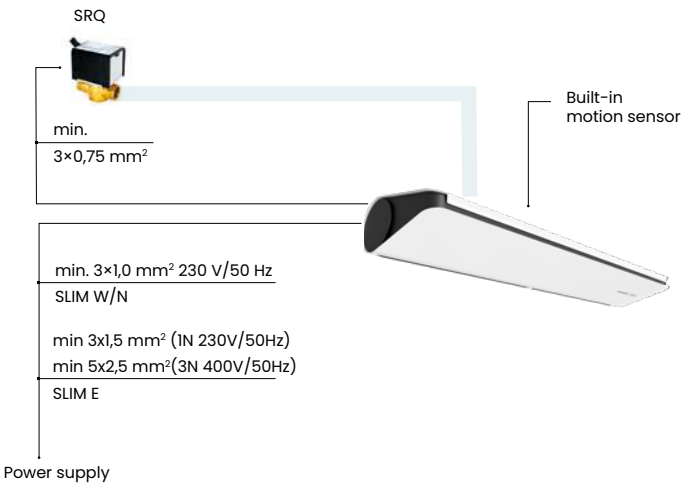
For horizontal or vertical installation of the Slim air curtain.
Available in white or black.

Rods

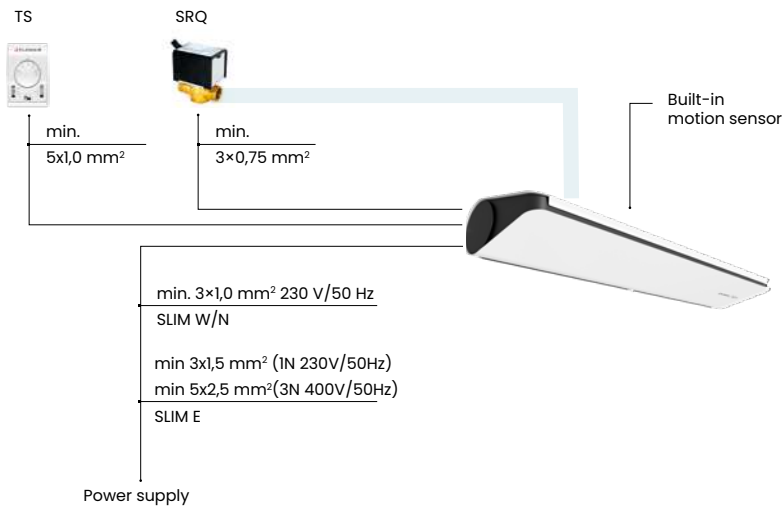
In standard Slim air curtains have special mounting holes for installation with threaded rods.

Connection diagrams Slim

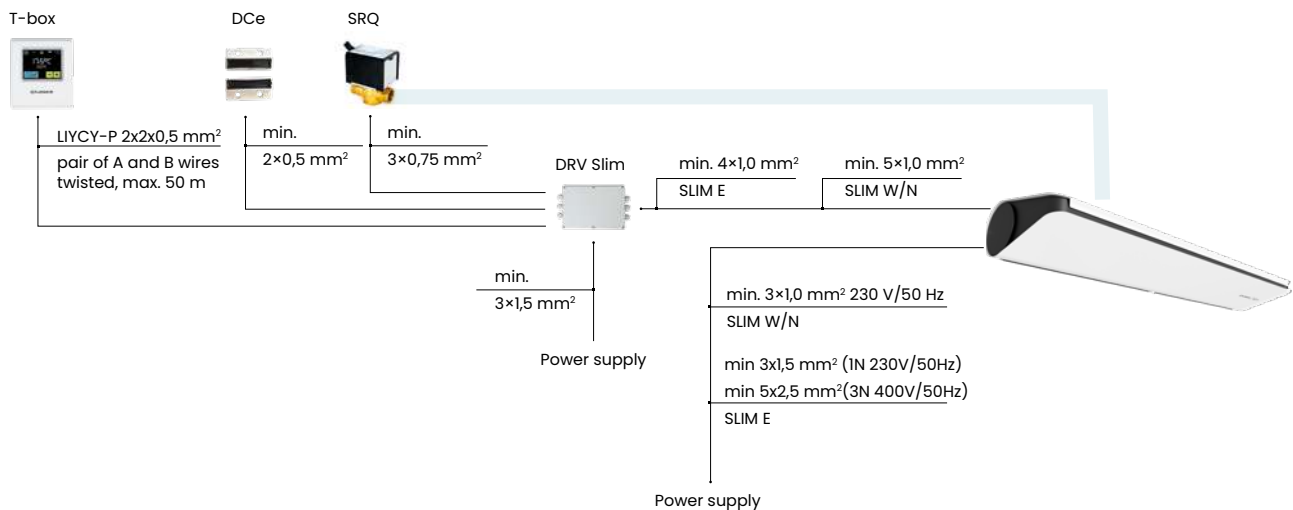
Plug&Play control



TS controller



T-box controller



Available options upon request

TS + motion sensor

The solution will prove useful if you frequently change the curtain's settings and want to have the controller at your fingertips. Select the TS controller, which is as a thermostat and switches on the heating elements.



TS + door sensor

This solution will prove useful when the motion sensor cannot operate freely due to some obstacles (e.g. a suspended element under the air curtain). In this case the devices' control depends on the signal from door sensor.



T-box

This solution will be useful when you want to connect the curtain to an intelligent building management system BMS. Choose this option if you need a weekly programmer or remote supervision over the operation of devices.



Heating capacities Slim

Tw1/Tw2 = 90/70°C					Tw1/Tw2 = 80/60°C					Tw1/Tw2 = 70/50°C					Tw1/Tw2 = 60/40°C				
Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2
[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]
SLIM W-100																			
step III : V = 1100 m³/h																			
0,0	9.4	414	5.2	25.5	0,0	8.1	354	4.0	22.0	0,0	6.7	293	3.0	18.0	0,0	5.3	231	2.0	14.5
10,0	8.2	362	4.1	32.0	10,0	6.8	301	3.0	28.5	10,0	5.5	239	2.1	24.5	10,0	4.1	177	1.3	21.0
20,0	7.0	309	3.1	38.5	20,0	5.6	247	2.1	35.0	20,0	4.2	185	1.3	31.5	20,0	2.8	120	0.6	27.5
SLIM W-150																			
step III : V = 1950 m³/h																			
0,0	16.5	726	19.2	25.0	0,0	14.2	624	15.0	21.5	0,0	11.9	522	11.3	18.0	0,0	9.6	420	7.9	15.0
10,0	14.4	637	15.2	32.0	10,0	12.2	534	11.4	28.5	10,0	9.9	431	8.0	25.0	10,0	7.5	328	5.1	21.5
20,0	12.4	547	11.5	38.5	20,0	10.1	443	8.1	35.0	20,0	7.7	339	5.2	31.5	20,0	5.4	234	2.8	28.0
SLIM W-200																			
step III : V = 2850 m³/h																			
0,0	23.0	1016	42.2	24.0	0,0	19.9	874	33.1	21.0	0,0	16.8	734	24.9	17.5	0,0	13.6	594	17.6	14.5
10,0	20.2	892	33.3	31.0	10,0	17.1	750	25.0	27.5	10,0	13.9	608	17.7	24.5	10,0	10.7	467	11.5	21.0
20,0	17.4	768	25.3	38.0	20,0	14.2	624	17.9	34.5	20,0	11.0	480	11.6	31.5	20,0	7.7	336	6.4	28.0

V - Air flow
PT - Heat capacity
Tp1 - Air temperature at the inlet to the device
Tp2 - Air temperature at the outlet of the device

Tw1 - Heating medium temperature at the inlet to the heat exchanger
Tw2 - Heating medium temperature at the return from the heat exchanger
Qw - Heating medium flow rate in the heat exchanger
Δpw - Pressure drop in the heat exchanger



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