



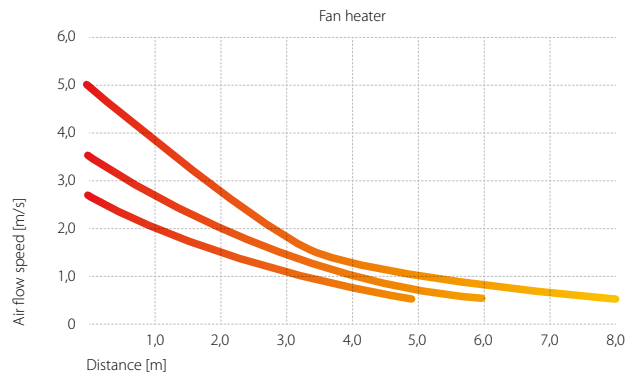
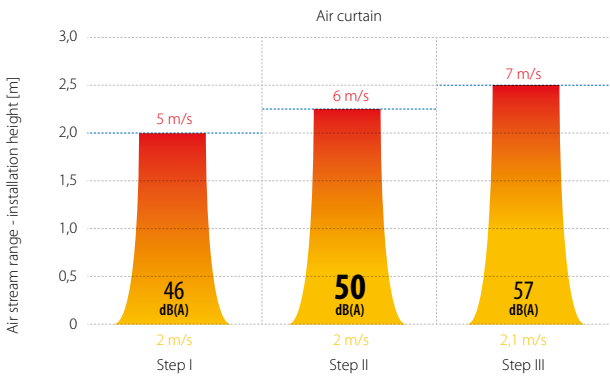
Air curtains and curtain-heater units



Air curtains and curtain-heater units

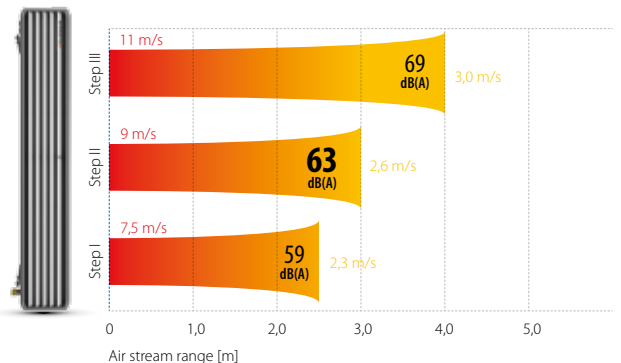
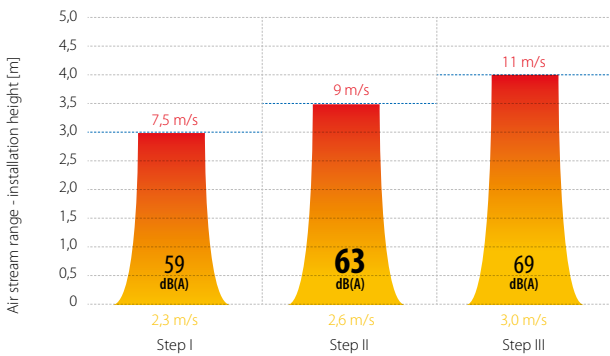
Design

ELIS DUO



Commercial

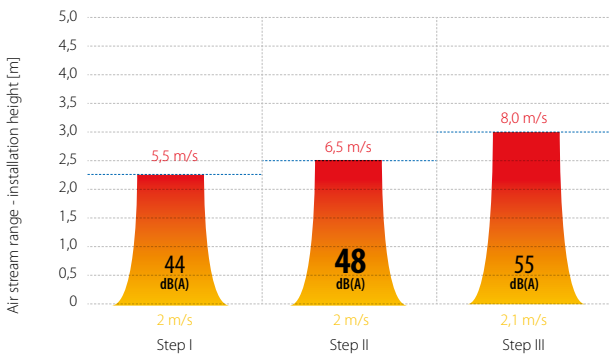
ELIS T



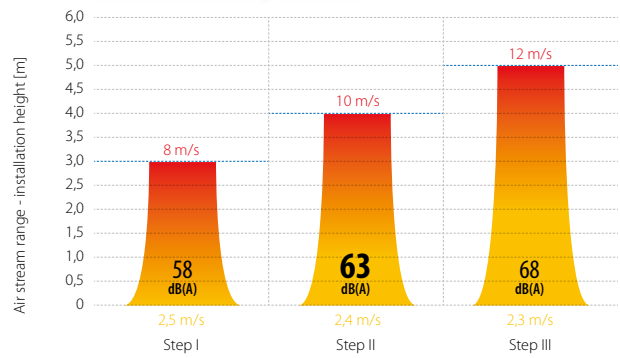
N without exchanger (N) **+** with water heat exchanger (W) **⚡** with electric heaters (E)



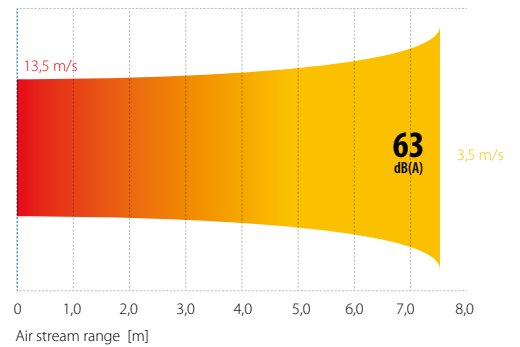
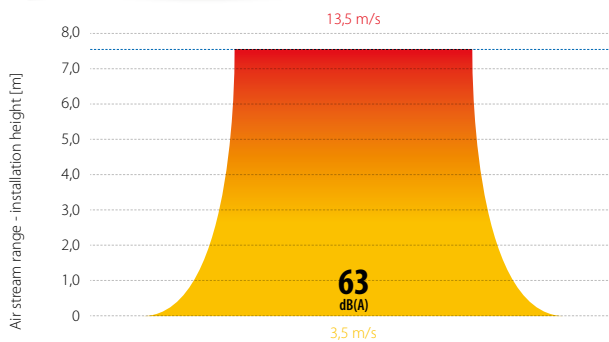
ELIS A



ELIS B



ELIS G





Air barrier + heating

Curtain - heater unit

ELIS DUO



ELIS DUO is available in two versions:

-  with water heat exchanger
-  with electric heaters

Technical data

	ELIS DUO-W-100	ELIS DUO-E-100	ELIS DUO-W-200
	Curtain Heater	Curtain Heater	Curtain Heater
Power supply [V/Hz]	230/50	3x400/50	230/50
Power consumption [kW]	0,25	10,1	0,43
Current consumption [A]	1,1	14,7	1,85
IP	21	21	21
Connection ["]	½"	-	½"
Air flow stream [m³/h]	1400 700	1400 700	3000 700
Acoustic pressure level [dB(A)]*	56	56	59
Max. heating water temperature [°C]	95	-	95
Max. operating pressure [MPa]	1,6	-	1,6
Air temperature rise (ΔT) [°C]**	30	20	19
Weight of unit [kg]	23,9	28,5	41,1
Weight of unit filled with water [kg]	25,3	-	42,8
Range [m]***	2,5 8	2,5 8	2,5 8

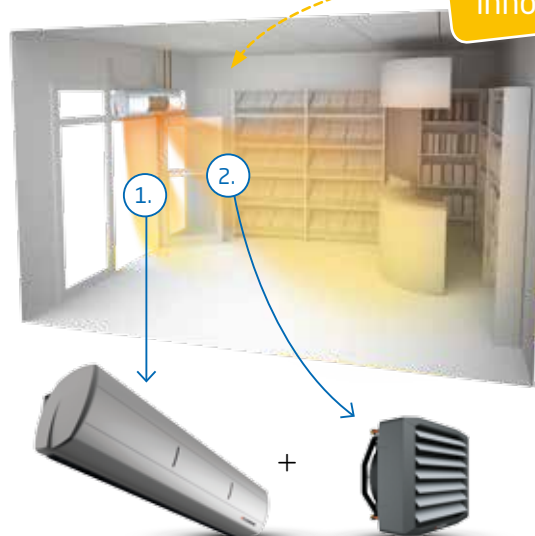
Available in white (ral 9010) or silver (ral 9006) colour. Available in white (ral 9010) colour.

- * Acoustic pressure level for optimal height of installation, second speed and cubature 500 m³, room of medium sound absorption.
- ** For DUO-W at heating medium temperature 90/70°C, inlet air temperature 10°C / for DUO-E at inlet air temperature 10°C
- *** Range of vertical isothermal air stream of curtain, at 2 m/s velocity limit | range of horizontal isothermal air stream of heater, at 0,5 m/s velocity limit.



Principle of operation

FLOWAIR's innovation



1. stream of air curtain
2. stream of heater*

* heater is an alternative solution for traditional radiators

Dimensions



Dimensions [mm]	ELIS DUO-W/E-100	ELIS DUO-W-200
A	1125	2040
B	356	356
C	393	393
D	390	390
E*	440	440

* regards ELIS DUO W

Heating capacities

ELiS DUO with water heat exchanger

ELiS DUO-W-100										
Curtain section					Heater section					
Tp1	V	PT	Qw	Δpw	Tp2	V	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	m³/h	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C										
0		12,1/14,9/17,2			42/37/34		6,1/7,4/8,6			42/37/34
5		11,2/13,7/15,9			44/40/37		5,6/6,9/8,0			44/40/37
10	800/1100/1400	10,3/12,6/14,7	max. 1141	max. 12,8	47/43/40	400/550/700	5,2/6,3/7,3	max. 1141	max. 12,8	47/43/40
15		9,4/11,6/13,4			49/46/43		4,7/5,8/6,7			49/46/43
20		8,6/10,5/12,2			52/48/46		4,3/5,3/6,1			52/48/46
Tw1 / Tw2 = 80/60 °C										
0		10,4/12,8/14,8			36/32/29		5,2/6,4/7,4			36/32/29
5		9,5/11,7/14,8			38/35/32		4,8/6,4/6,8			38/35/32
10	800/1100/1400	8,6/10,6/12,3	max. 976	max. 9,9	41/38/35	400/550/700	4,3/5,3/6,1	max. 976	max. 9,9	41/38/35
15		7,8/9,5/11,1			43/40/38		3,9/4,8/5,5			43/40/38
20		6,9/8,5/9,8			46/43/41		3,4/4,2/4,9			46/43/41
Tw1 / Tw2 = 70/50 °C										
0		8,7/10,7/12,4			30/27/24		4,35/5,3/6,2			30/27/24
5		7,8/9,6/11,1			32/30/27		3,9/4,8/5,6			32/30/27
10	800/1100/1400	6,9/8,5/9,9	max. 811	max. 7,3	35/32/30	400/550/700	3,5/4,3/4,9	max. 811	max. 7,3	35/32/30
15		6,1/7,5/8,7			37/35/33		3/3,7/4,3			37/35/33
20		5,2/6,4/7,5			39/37/36		2,6/3,2/3,7			39/37/36
Tw1 / Tw2 = 60/40 °C										
0		7,0/8,5/9,9			24/21/20		3,5/4,3/4,9			24/21/20
5		6,1/7,5/8,6			26/24/22		3,0/3,7/4,3			26/24/22
10	800/1100/1400	5,2/6,4/7,4	max. 646	max. 5,0	29/27/25	400/550/700	2,6/3,2/3,7	max. 646	max. 5,0	29/27/25
15		4,3/5,3/6,2			31/29/28		2,2/2,7/3,1			31/29/28
20		3,5/4,3/5,0			33/32/31		1,7/2,1/2,5			33/32/31
ELiS DUO-W-200										
Curtain section					Heater section					
Tp1	V	PT	Qw	Δpw	Tp2	V	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	m³/h	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C										
0		19/23/26,6			34/30/27		4,7/5,8/6,6			34/30/27
5		17,8/21,1/24,9			36/33/30		4,4/5,3/6,2			36/33/30
10	1700/2250/3000	16,6/19,7/23,2	max. 1465	max. 18,9	39/36/33	400/550/700	4,1/4,9/5,8	max. 1465	max. 18,9	39/36/33
15		15,4/18,2/21,5			42/39/36		3,8/4,6/5,4			42/39/36
20		14,2/16,8/19,8			45/42/40		3,5/4,2/5,0			45/42/40
Tw1 / Tw2 = 70/50 °C										
0		13,6/16,2/19			24/21/19		3,4/4/4,7			24/21/19
5		12,3/14,6/17,3			27/24/22		3,1/3,7/4,3			27/24/22
10	1700/2250/3000	11,1/13,2/15,6	max. 1039	max. 10,6	30/27/26	400/550/700	2,8/3,3/3,9	max. 1039	max. 10,6	30/27/26
15		9,8/11,8/13,8			32/30/29		2,5/2,9/3,5			32/30/29
20		8,6/10,3/12,1			35/33/32		2,2/2,6/3,0			35/33/32
Tw1 / Tw2 = 60/40 °C										
0		10,8/12,9/15,1			19/17/15		2,7/3,2/3,8			19/17/15
5		9,6/11,4/13,4			22/20/19		2,4/2,9/3,4			22/20/19
10	800/1100/1400	8,4/9,9/11,7	max. 826	max. 7,2	25/23/22	400/550/700	2,1/2,5/2,9	max. 826	max. 7,2	25/23/22
15		7,1/8,4/9,9			27/26/25		1,8/2,1/2,5			27/26/25
20		5,8/6,9/8,2			30/29/28		1,4/1,7/2			30/29/28

To obtain the operation parameters of the units powered with heating medium at the other temperatures please contact the sales office.

V - air flow Tp1 - inlet air temperature Tw1 - inlet water temperature Qw - water stream flow in the heat exchanger
 PT - heating capacity Tp2 - outlet air temperature Tw2 - outlet water temperature Δpw - water pressure drop in the heat exchanger

When design is a priority

Light casing.
Three lengths.

ELiS A



ELiS A is available in version:

- N** without exchanger
- +** with water heat exchanger
- ⚡** with electric heaters



Technical data

	ELiS A-W-100	ELiS A-N-100	ELiS A-E-100	ELiS A-W-150	ELiS A-N-150	ELiS A-E-150	ELiS A-W-200	ELiS A-N-200	ELiS A-E-200
Power supply [V/Hz]	230/50	230/50	3x400/50	230/50	230/50	3x400/50	230/50	230/50	3x400/50
Power consumption [kW]	0,17	0,17	7	0,25	0,25	10,7	0,34	0,34	15
Current consumption [A]	0,72	0,72	10	1,1	1,1	15,5	1,45	1,45	21,5
IP	21	21	21	21	21	21	21	21	21
Connection ["]	½"	-	-	½"	-	-	½"	-	-
Air flow stream [m³/h]	1500	1500	1500	2500	2500	2500	3500	3500	3500
Acoustic pressure level [dB(A)]*	46	46	46	49	49	49	51	51	51
Max. heating water temperature [°C]	95	-	-	95	-	-	95	-	-
Max. operating pressure [MPa]	1,6	-	-	1,6	-	-	1,6	-	-
Air temperature rise (ΔT) [°C]**	34	-	25	24	-	21	24	-	18
Weight of unit [kg]	20,9	18,4	21,4	28,3	25,3	28,5	37,1	33,6	39
Weight of unit filled with water [kg]	22,3	-	-	29,6	-	-	38,8	-	-
Range [m]***	3	3	3	3	3	3	3	3	3

Available in white (ral 9010) or silver (ral 9006) colour.

* Acoustic pressure level for optimal height of installation, second speed at the distance of 2 m apart of the unit, cubature 500 m³, room of medium sound absorption.

** For A-W-100/150/200 at heating medium temperature 90/70°C, inlet air temperature 10°C / for A-E-100/150/200 at inlet air temperature 10°C

*** Range of vertical isothermal air stream, at 2 m/s velocity limit.

Dimensions

Dimensions [mm]	ELiS A 100	ELiS A 150	ELiS A 200
A	1125	1580	2040
B	356	356	356
C	393	393	393
D	390	390	390
E*	440	440	440

* Dimension concerns only A-W curtains.





Heating capacities

ELiS A with water heat exchanger

ELiS A-W-100									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 80/60 °C				
0	850/1150/1500	14,4/17,7/21,0	637/781/927	4,4/6,4/8,8	47/43/39	12,4/15,2/18,0	545/668/793	3,4/5,0/6,8	40/37/33
5		13,3/16,4/19,4	588/721/857	3,8/5,5/7,6	49/45/41	11,3/13,9/16,5	497/610/724	2,9/4,2/5,7	43/39/36
10		12,3/15,0/17,9	541/663/788	3,3/4,8/6,5	51/47/44	10,3/12,6/15,0	451/553/657	2,4/3,5/4,8	45/41/39
15		11,2/13,7/16,3	494/606/721	2,8/4,0/5,5	53/50/47	9,2/11,3/13,5	405/497/591	2,0/2,9/4,0	47/44/41
20		10,2/12,5/14,8	448/550/654	2,3/3,4/4,6	55/52/49	8,2/10,1/12,0	360/442/526	1,6/2,4/3,2	49/46/44
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0	850/1150/1500	10,4/12,7/15,1	453/555/659	2,5/3,7/5,0	34/31/28	8,3/10,1/12,0	360/442/525	1,8/2,5/3,4	27/24/22
5		9,3/11,4/13,5	407/498/592	2,1/3,0/4,1	36/33/30	7,2/8,9/10,5	315/386/459	1,4/2,0/2,7	29/27/25
10		8,3/10,1/12,0	361/443/526	1,7/2,4/3,3	38/35/33	6,2/7,6/9,0	269/331/394	1,0/1,5/2,0	31/29/27
15		7,2/8,9/10,5	316/388/461	1,3/1,9/2,6	40/37/35	5,1/6,3/7,5	224/276/329	0,8/1,1/1,5	33/31/30
20		6,2/7,6/9,1	271/334/397	1,0/1,5/2,0	42/40/38	4,1/5,1/6,1	177/220/264	0,5/0,7/1,0	34/33/32

ELiS A-W-150									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 80/60 °C				
0	1650/2100/2500	17,9/20,7/22,9	791/914/1011	5,3/6,9/8,3	32/29/27	15,3/17,7/19,6	672/777/861	4,5/6/6,3	27/25/23
5		16,8/19,4/21,4	740/855/946	4,7/6,1/7,4	35/32/30	14,1/16,3/18,1	621/718/795	3,5/4,5/5,5	30/28/26
10		15,6/18/20	688/795/881	4,1/5,3/6,5	38/35/34	13/15/16,6	569/658/728	3/3,9/4,7	33/31/30
15		14,4/16,7/18,5	636/735/814	3,5/4,6/5,6	41/38/37	11,8/13,6/15	517/597/661	2,5/3,2/3,9	36/34/33
20		13,2/15,3/17	584/674/748	3/3,9/4,8	43/41/40	10,6/12,2/13,5	464/532/593	2/2,7/3,2	39/37/36
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0	1650/2100/2500	12,7/14,6/16,2	554/640/709	2,9/3,8/4,6	23/21/19	10/11,5/12,8	434/502/556	1,9/2,5/3	18/16/15
5		11,5/13,3/14,7	502/580/643	2,4/3,2/3,8	26/24/22	9/10,1/11,2	381/441/489	1,5/2/2,4	21/19/18
10		10,3/11,9/13,2	450/520/576	2/2,6/3,1	28/27/26	7,5/8,7/9,7	328/380/421	1,2/1,5/1,8	23/22/21
15		9,1/10,5/11,6	397/459/508	1,6/2,1/2,5	31/30/29	6,3/7,3/8	273/316/351	0,8/1,1/1,3	26/25/24
20		7,84/9,1/10	343/397/439	1,2/1,6/1,9	34/33/32	4,9/5,7/6,4	214/250/279	0,6/0,7/0,9	29/28/27

ELiS A-W-200									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 80/60 °C				
0	2400/2900/3500	25,7/29/32,2	1135/1271/1419	12/14,5/18	32/29/27	22/24,7/27,6	970/1086/1212	9/11,1/13,6	27/25/23
5		24/27/30	1063/1191/1329	10,4/13/16	35/32/30	20,4/22,9/25,5	898/1006/1122	7,8/9,7/11,8	30/28/27
10		22,5/25,1/28	992/1110/1240	9,2/11,3/14	38/36/34	18,8/21/23,5	825/924/1031	6,7/8,3/10,1	33/31/30
15		20,8/23,3/26	918/1027/1147	7,9/9,8/12	40/38/37	17,1/19,1/21,4	751/841/939	5,7/7/8,5	36/34/33
20		19/21,4/24	844/945/1054	6,8/8,4/10,3	43/42/40	15,4/17,3/19,2	677/758/845	4,7/5,8/7	39/37/36
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0	2400/2900/3500	18,4/20,6/23	805/902/1007	6,6/8,1/10	23/21/20	14,7/16,5/18,4	641/717/801	4,5/5,5/6,7	18/17/16
5		16,8/18,8/21	733/821/916	5,6/6,9/8,4	26/24/23	13/14,6/16,3	568/636/709	3,6/4,5/5,4	21/20/19
10		15,1/16,9/18,9	660/739/824	4,6/5,7/6,9	29/27/26	11,3/12,7/14,1	493/552/616	2,8/3,5/4,2	24/23/22
15		13,4/15/16,7	586/655/731	3,7/4,6/5,6	31/30/29	9,6/11/12	418/468/522	2/2,6/3,1	27/26/25
20		11,7/13/14,6	510/571/637	2,9/3,5/4,3	34/33/32	7,8/8,7/9,8	340/381/425	1,4/1,8/2,2	30/29/28

To obtain the operation parameters of the units powered with heating medium at the other temperatures please contact the sales office.

V – air flow Tp1 – inlet air temperature Tw1 – inlet water temperature Qw – water stream flow in the heat exchanger
 PT – heating capacity Tp2 – outlet air temperature Tw2 – outlet water temperature Δpw – water pressure drop in the heat exchanger




When style matters

New!
Recessed air curtain.

ELiS B



ELiS B is available in version:

-  without exchanger (N)
-  with water heat exchanger (W)
-  with electric heaters (E)



Technical data

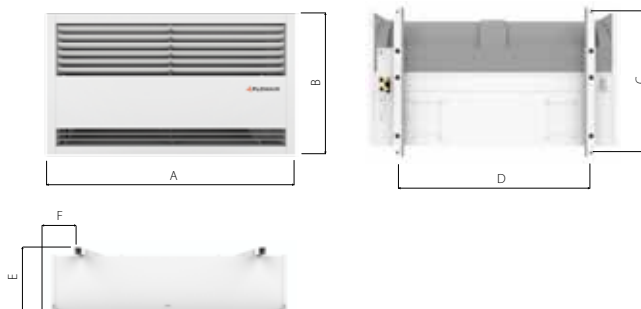
	ELiS B-W-100	ELiS B-N-100	ELiS B-E-100	ELiS B-W-150	ELiS B-N-150	ELiS B-E-150	ELiS B-W-200	ELiS B-N-200	ELiS B-E-200
Power supply [V/Hz]	230/50	230/50	3x400/50	230/50	230/50	3x400/50	230/50	230/50	3x400/50
Power consumption [kW]	0,34	0,42	7,5	0,36	0,44	11,5	0,38	0,49	15,5
Current consumption [A]	1,5	1,9	11	1,6	2	16,6	1,7	2,2	22,4
IP	21	21	21	21	21	21	21	21	21
Connection ["]	½	-	-	½	-	-	½	-	-
Air flow stream [m³/h]	2600	3500	2600	4000	4800	4000	5200	6600	5200
Acoustic pressure level [dB(A)]*	61	63	61	62	63	62	64	66	64
Max. heating water temperature [°C]	95	-	-	95	-	-	95	-	-
Max. operating pressure [MPa]	1,6	-	-	1,6	-	-	1,6	-	-
Air temperature rise (ΔT) [°C]**	15	-	11	15	-	12	16	-	13
Weight of unit [kg]	32,3	31,7	34,5	41,2	38,9	42,4	50	47,2	53,2
Weight of unit filled with water [kg]	33,1	-	-	42,4	-	-	51,6	-	-
Range [m]***	5								

Available in white (ral 9010) colour.

- * Acoustic pressure level for optimal height of installation, second speed at the distance of 2 m apart of the unit, cubature 500 m³, room of medium sound absorption.
- ** For B-W-100/150/200 at heating medium temperature 90/70°C, inlet air temperature 10°C / for B-E-100/150/200 at inlet air temperature 10°C
- *** Range of vertical isothermal air stream, at 2 m/s velocity limit.

Dimensions

Dimensions [mm]	ELiS B-W/N/E-100	ELiS B-W/N/E-150	ELiS B-W/N/E-200
A	1057	1546	2034
B	600	600	600
C	561	561	561
D	770	1207	1621
E	297	297	297
F	96	84	157



Heating capacities

ELiS B with water heat exchanger

ELiS B-W-100									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 80/60 °C				
0	1900/ 2100/ 2300	12,6/13,5/13,8	558/597/609	1,9/2,2/2,3	17,0/16,0/15,5	10,6/11,3/11,5	465/497/507	1,4/1,6/1,7	14,0/13,5/13,0
5		11,8/12,6/12,8	519/555/566	1,7/1,9/2,0	21,0/20,0/19,5	9,7/10,4/10,6	426/455/464	1,2/1,3/1,4	18,0/17,5/17,0
10		10,9/11,6/11,9	480/513/524	1,5/1,6/1,7	24,5/23,5/24,5	8,8/9,4/9	386/413/395	1,0/1,1/1,1	21,5/21,0/21,5
15		10,0/10,7/10,9	441/471/481	1,3/1,4/1,5	28,0/27,5/27,0	7,9/8,5/8,6	347/370/378	0,8/0,9/1,0	25,5/25,0/24,5
20		9,1/9,7/9,9	402/429/438	1,1/1,2/1,2	32,0/31,5/31,0	7,0/7,5/7,6	306/328/334	0,7/0,8/0,8	29,5/29,0/28,5
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0	1900/ 2100/ 2300	8,5/9,0/9,2	370/396/404	1,0/1,1/1,2	11,5/11,0/10,5	6,2/6,6/6,8	269/289/295	0,6/0,6/0,7	8,5/8,0/7,5
5		7,5/8,1/8,2	330/353/360	0,7/0,8/0,9	15,0/14,5/14,0	5,2/5,6/5,7	226/243/249	0,4/0,4/0,5	12,0/12,0/11,5
10		6,6/7,1/7,2	290/310/316	0,6/0,6/0,7	19,0/18,5/18,0	4,1/4,5/4,6	178/193/198	0,3/0,3/0,3	15,5/15,0/15,0
15		5,7/6,1/6,2	248/266/271	0,5/0,5/0,6	22,5/22,0/21,5	2,0/2,1/2,1	88/90/91	0,1/0,1/0,1	18,0/17,5/17,5
20		4,7/5,0/5,1	204/220/225	0,3/0,4/0,4	26,0/25,5/25,0	1,6/1,7/1,7	72/74/74	0,1/0,1/0,1	22,5/22,0/22,0

ELiS B-W-150									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 80/60 °C				
0	3100/3500/3900	20,9/21,9/23,5	923/968/1039	5,9/6,5/7,4	19,6/18,5/17,5	17,8/18,7/20,0	783/821/881	4,5/4,9/5,6	16,5/16,0/15,0
5		19,6/20,5/22,0	863/905/972	5,3/5,6/6,6	23,0/22,5/21,5	16,4/17,3/18,5	722/758/813	3,9/4,3/4,9	20,0/19,5/18,5
10		18,2/19,1/20,5	803/842/904	4,6/5,0/5,7	27,0/26,0/25,0	15,0/15,8/17,0	662/694/745	3,3/3,6/4,1	24,0/23,0/22,5
15		16,8/17,6/19,0	742/779/835	4,0/4,4/5,0	30,5/30,0/30,0	13,7/14,3/15,4	601/630/676	2,8/3,0/3,5	27,5/27,0/26,5
20		15,5/16,2/17,4	682/715/767	3,4/3,7/4,2	34,0/33,5/32,5	12,3/12,9/13,8	539/566/607	2,3/2,5/2,8	31,0/30,5/30,0
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0	3100/3500/3900	14,7/15,4/16,5	642/674/723	3,3/3,6/4,0	13,5/13,0/12,5	11,5/12,0/13,0	500/525/563	2,2/2,4/2,7	10,5/10,0/9,5
5		13,3/13,9/15,0	581/610/655	2,7/3,0/3,4	17,5/16,5/16,0	10,1/10,5/11,5	438/460/494	1,7/1,9/2,1	14,5/14,0/13,5
10		11,9/12,5/13,4	520/546/585	2,2/2,4/2,8	21,0/20,5/20,0	8,6/9,0/9,7	375/394/423	1,3/1,4/1,6	18,0/17,5/17,0
15		10,5/11,0/11,78	458/481/516	1,8/1,9/2,2	24,5/24,0/23,5	7,1/7,5/8,1	311/327/351	0,9/1,0/1,1	21,5/21,0/21,0
20		9,0/9,5/10,2	395/415/445	1,4/1,5/1,7	28,0/27,5/27,5	5,6/5,9/6,3	243/256/276	0,6/0,7/0,7	25,0/24,5/24,5

ELiS B-W-200									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 80/60 °C				
0		27,6/28,7/31,8	1217/1266/1402	11,4/12,2/14,7	20,5/19,5/18,0	23,6/24,6/27,7	1038/1080/1195	8,7/9,4/11,3	17,5/17,0/15,5
5		25,8/26,9/29,7	1140/1186/1312	10,0/10,8/13,0	24,0/23,5/22,0	21,9/22,7/25,2	961/999/1106	7,6/8,2/9,8	21,1/20,5/19,5
10		24,0/25,0/27,7	1063/1105/1223	8,9/9,5/11,5	27,5/27,0/25,7	20,1/20,9/23,1	883/918/1016	6,5/7,0/8,4	25,0/24,5/22,5
15		22,3/23,2/25,7	985/1024/1133	7,7/8,3/10,0	32,5/30,5/29,5	18,3/19,0/21,0	804/836/925	5,5/5,9/7,1	28,5/28,0/27,0
20		20,5/21,4/23,6	907/943/1043	6,6/7,1/8,8	35,0/34,5/33,0	16,5/17,2/19,0	725/754/834	4,6/4,9/5,9	32,0/31,5/30,5
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0		19,7/20,5/22,5	860/894/990	6,4/6,9/8,3	14,5/14,0/13,0	15,6/16,3/18,0	681/708/784	4,6/4,7/5,6	11,5/11,0/10,5
5		17,9/18,6/20,5	782/813/900	5,4/5,8/6,9	18,0/17,5/17,0	13,8/14,4/15,9	602/626/693	3,5/3,7/4,5	15,0/15,0/14,0
10		16,1/16,7/18,5	703/731/809	4,5/4,7/5,7	21,5/21,5/20,5	12,0/12,5/13,8	522/543/601	2,7/2,9/3,5	18,5/18,5/18,0
15		14,5/14,8/16,4	624/649/717	3,6/3,8/4,6	25,5/25,0/24,5	10,1/10,5/11,6	441/458/507	2,0/2,1/2,6	22,5/22,0/21,5
20		12,4/12,9/14,3	544/565/625	2,8/3,0/3,6	29,0/28,5/28,0	8,2/8,5/9,5	357/372/412	1,4/1,5/1,8	26,0/25,5/25,0

To obtain the operation parameters of the units powered with heating medium at the other temperatures please contact the sales office.

V – air flow
 TP1 – inlet air temperature
 TP2 – outlet air temperature
 PT – heating capacity
 Tw1 – inlet water temperature
 Tw2 – outlet water temperature
 Qw – water stream flow in the heat exchanger
 Δpw – water pressure drop in the heat exchanger

When air stream range is a priority

Designed for industrial buildings

ELiS G

ELiS G 150



ELiS G 200



ELiS G is available in version:

- N** without exchanger
- +** with water heat exchanger
- ⚡** with electric heaters

Technical data

	ELiS G1-W-150	ELiS G1-N-150	ELiS G1-E-150	ELiS G1-W-200	ELiS G1-N-200	ELiS G1-E-200
Power supply [V/Hz]	230/50	230/50	3x400/50	230/50	230/50	3x400/50
Power consumption [kW]	0,6	0,6	12,7	0,9	0,9	20
Current consumption [A]	2,6	2,6	20,5	3,9	3,9	32
IP	54	54	54	54	54	54
Connection ["]	¾"	-	-	¾"	-	-
Air flow stream [m³/h]	6200	6500	6300	8100	8600	8200
Acoustic pressure level [dB(A)]*	62	62	62	64	64	64
Max. heating water temperature [°C]	130	-	-	130	-	-
Max. operating pressure [MPa]	1,6	-	-	1,6	-	-
Air temperature rise (ΔT) [°C]**	12	-	7	12	-	7
Weight of unit [kg]	47,4	43	49,8	62	58	67
Weight of unit filled with water [kg]	49,7	-	-	64,3	-	-
Range [m]***	7	7,5	7	7	7,5	7

Available in galvanized steel casing.

* Acoustic pressure level for optimal height of installation, second speed and cubature 500 m³, room of medium sound absorption.

** For G1-W-150/200 at heating medium temperature 90/70°C, inlet air temperature 18°C / for G1-E-150/200 at inlet air temperature 18°C.

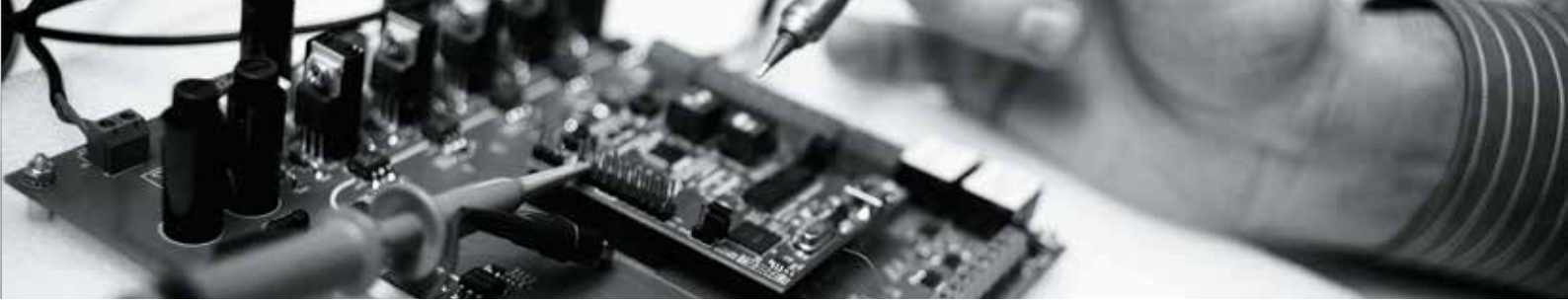
*** Range of vertical isothermal air stream, at the velocity limit above 3 m/s.

Dimensions

Dimensions [mm]	ELiS G 150	ELiS G 200
A	1562	2070
B	639	639
C	550	550
D	125	125
E*	50	307

* Dimension concerns only G1-W curtains.





Heating capacities

ELiS G with water heat exchanger

ELiS G-W-150									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 70/50 °C				
0		33,8	1490	7	15	24,3	1060	5	11
5		31,2	1370	6	19	21,8	950	4	15
10	6200	28,7	1260	5	23,5	19,4	850	3	19
15		26,2	1150	5	27,5	17	740	3	23
20		23,7	1050	4	31,5	14,7	640	2	27
Tw1 / Tw2 = 60/40 °C					Tw1 / Tw2 = 80/60 °C				
0		19,5	850	3	9	29	1280	5	13
5		17,1	750	3	13	26,5	1160	5	17
10	6200	14,7	640	2	17	24	1060	5	21
15		12,4	540	1	21	21,6	950	4	25
20		10,1	440	1	25	19,2	850	3	29,5

ELiS G-W-200									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1 / Tw2 = 90/70 °C					Tw1 / Tw2 = 70/50 °C				
0		39,1	1720	8	13,5	28,1	1230	5	9,5
5		36,1	1590	8	17,5	25,2	1100	5	14
10	8100	33,2	1460	7	22	22,4	980	4	18
15		30,3	1340	6	26	19,7	860	3	22
20		27,5	1210	5	30	17	740	3	26,5
Tw1 / Tw2 = 60/40 °C					Tw1 / Tw2 = 80/60 °C				
0		22,5	980	4	7,5	33,6	1480	7	11,5
5		19,7	860	3	12	30,7	1350	6	15,5
10	8100	17	740	3	16	27,8	1220	5	20
15		14,3	620	2	20	25	1100	5	24
20		11,6	510	1	24,5	22,3	980	4	28

To obtain the operation parameters of the units powered with heating medium at the other temperatures please contact the sales office.

V	- air flow	Tw1	- inlet water temperature
PT	- heating capacity	Tw2	- outlet water temperature
Tp1	- inlet air temperature	Qw	- water stream flow in the heat exchanger
Tp2	- outlet air temperature	Δpw	- water pressure drop in the heat exchanger

Examples of installation






Two installation options

ELiS T



ELiS T is available in version:

-  without exchanger
-  with water heat exchanger
-  with electric heaters

Technical data

	ELiS T-W-100	ELiS T-N-100	ELiS T-E-100	ELiS T-W-150	ELiS T-N-150	ELiS T-E-150	ELiS T-W-200	ELiS T-N-200	ELiS T-E-200
Power supply [V/Hz]	230/50	230/50	3x400/50	230/50	230/50	3x400/50	230/50	230/50	3x400/50
Power consumption [kW]	1,7	1,8	7,5	1,8	1,9	11,5	2	2,1	15,5
Current consumption [A]	0,38	0,39	11	0,4	0,42	16,5	0,44	0,46	22,4
IP	21	21	21	21	21	21	21	21	21
Connection ["]	½"	-	-	½"	-	-	½"	-	-
Air flow stream [m³/h]	2300	2900	2300	3900	4000	3900	5100	5300	5100
Acoustic pressure level [dB(A)]*	62	63	62	63	64	63	64	64	64
Max. heating water temperature [°C]	95	-	-	95	-	-	95	-	-
Max. operating pressure [MPa]	1,6	-	-	1,6	-	-	1,6	-	-
Air temperature rise (ΔT) [°C]**	15	-	11	15	-	12	16	-	13
Weight of unit [kg]	22,1	20,7	24	29,5	27	31,5	34,3	31,5	37
Weight of unit filled with water [kg]	22,9	-	-	30,7	-	-	35,9	-	-
Range [m]***	4	4	4	4	4	4	4	4	4

Available in gray (ral 9007) colour.

* Acoustic pressure level for optimal height of installation, second speed at the distance of 2 m apart of the unit, cubature 500 m³, room of medium sound absorption.

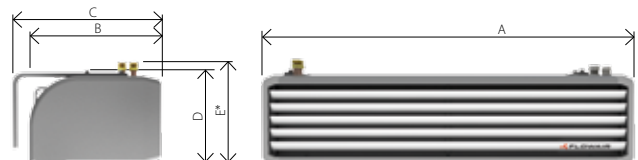
** For T-W-100/150/200 at heating medium temperature 90/70°C, inlet air temperature 10°C / for T-E-100/150/200 at inlet air temperature 10°C

*** Range of vertical isothermal air stream, at 2 m/s velocity limit.

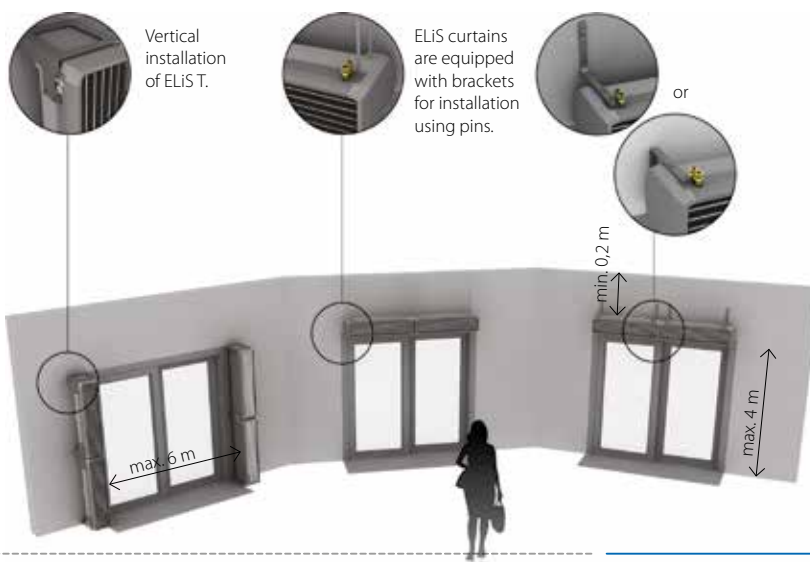
Dimensions

Dimensions [mm]	T-W/N/E-100	T-W/N/E-150	T-W/N/E-200
A	1045	1533	2020
B	377	377	377
C	428	428	428
D	263	263	263
E*	300	300	300

* Dimension concerns only T-W curtains.



Examples of installation





Heating capacities

ELiST with water heat exchanger

ELiST-W-100									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1/Tw2=90/70°C					Tw1/Tw2=80/60°C				
0		11,7/12,3/12,9	516/544/571	1,7/1,8/2	18/17,5/17	9,8/10,3/10,8	430/454/476	1,2/1,4/1,5	15/14,5/14
5		10,9/11,5/12	480/507/531	1,5/1,6/1,8	22/21,5/21	9/9,5/9,9	394/415/436	1,1/1,2/1,3	19/18,5/18
10	1900/2100/2300	10,1/10,6/11,1	444/469/492	1,3/1,4/1,5	25,5/25/24,5	8,1/8,6/9	357/377/395	0,9/1/1,1	22,5/22/21,5
15		9,3/9,8/10,2	408/430/451	1,1/1,2/1,3	29/28,5/28	7,3/7,7/8,1	321/338/355	0,7/0,8/0,9	26/25,5/25
20		8,4/8,9/9,3	372/392/411	0,9/1/1,1	33/32,5/32	6,5/6,8/7,1	283/299/314	0,6/0,6/0,7	30/29,5/29
Tw1/Tw2=70/50°C					Tw1/Tw2=60/40°C				
0		7,8/8,3/8,7	342/361/379	0,8/0,9/1	12/11,5/11	5,7/6/6,3	248/262/276	0,5/0,5/0,6	9/8,5/8
5		7/7,4/7,7	305/322/338	0,7/0,8/0,8	16/15,5/15	4,8/5/5,3	207/220/232	0,4/0,4/0,4	12,5/12/11,5
10	1900/2100/2300	6,1/6,5/6,8	267/282/296	0,5/0,6/0,7	19,5/19/18,5	3,7/3,9/4,2	159/172/183	0,2/0,3/0,3	16/15,5/15
15		5,2/5,5/5,8	229/242/254	0,4/0,5/0,5	23/22,5/22	1,9/2/2,1	85/87/89	0,1/0,1/0,1	18,5/18/17,5
20		4,3/4,6/4,8	188/199/210	0,3/0,3/0,4	27/26,5/26	1,6/1,6/1,7	70/71/73	0,1/0,1/0,1	22,5/22/22

ELiST-W-150									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1/Tw2=90/70°C					Tw1/Tw2=80/60°C				
0		20,6/21,9/23,2	907/968/1026	5,8/6,5/7,2	19,5/18,5/17,5	17,5/18,7/19,8	769/821/870	4,4/4,9/5,5	17/16/15
5		19,2/20,5/21,7	848/905/959	5,1/5,8/6,4	23/22/21	16,2/17,3/18,3	710/758/802	3,8/4,3/4,7	20,5/19,5/18,5
10	3100/3500/3900	17,9/19,1/20,2	789/842/892	4,5/5/5,6	27/26/25	14,8/15,8/16,7	650/694/735	3,2/3,6/4	24,5/23,5/22,5
15		16,5/17,7/18,7	730/779/824	3,9/4,4/4,8	31/30/29	13,4/14,3/15,2	591/630/667	2,7/3,1/3,4	28/27/26
20		15,2/16,2/17,2	670/715/757	3,3/3,7/4,1	34,5/33,5/32,5	12,1/12,9/13,6	530/566/599	2,2/2,5/2,8	32/31/30
Tw1/Tw2=70/50°C					Tw1/Tw2=60/40°C				
0		14,4/15,4/16,3	631/674/714	3,2/3,6/4	14/13/12	11,3/12/12,8	492/525/556	2,1/2,4/2,6	11/10/9
5		13,1/13,9/14,8	572/610/646	2,6/3/3,3	18/17/16	9,9/10,6/11,2	431/460/487	1,7/1,9/2,1	15/14/13
10	3100/3500/3900	11,7/12,5/13,2	511/546/578	2,2/2,4/2,7	22/21/20	8,5/9/9,6	369/394/417	1,3/1,4/1,6	18,5/17,5/16,5
15		10,3/11/11,6	450/481/509	1,7/1,9/2,1	25,5/24,5/23,5	7/7,5/7,9	305/327/346	0,9/1/1,1	22,5/21,5/20,5
20		8,9/9,5/10	389/415/439	1,3/1,5/1,6	29,5/28,5/27,5	5,5/5,9/6,2	239/256/272	0,6/0,7/0,07	26/25/24

ELiST-W-200									
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2
°C	m³/h	kW	l/h	kPa	°C	kW	l/h	kPa	°C
Tw1/Tw2=90/70°C					Tw1/Tw2=80/60°C				
0		23,5/28/31,4	1037/1234/1387	8,5/11,7/14,5	23/20/18	20,2/24/26,9	885/1052/1183	6,5/9/11,1	19/17/15
5		22/26,2/29,4	972/1155/1299	7,5/10,3/12,8	27/24/22	18,6/22,2/24,9	819/974/1095	5,7/7,8/9,6	23,5/21/19,5
10	3000/4100/5100	20,5/24,4/27,4	906/1077/1211	6,6/9,1/11,3	30/27/26	17,1/20,4/22,9	753/895/1005	4,9/6,7/8,2	27/24,5/23
15		19/22,6/25,4	840/998/1122	5,8/7,9/9,8	34/31/29	15,6/18,6/20,8	686/815/916	4,1/5,6/7	30/28/27
20		17,5/20,8/23,4	774/919/1033	5/6,8/8,4	38/35/33	14,1/16,7/18,8	619/735/826	3,4/4,7/5,8	33,5/32/30,5
Tw1/Tw2=70/50°C					Tw1/Tw2=60/40°C				
0		16,8/19,9/22,4	733/872/980	4,8/6,6/8,1	16,5/14,5/12,5	13,3/15,8/17,8	581/690/776	3,3/4,5/5,5	13/11,5/10
5		15,2/18,1/20,6	667/792/891	4/5,5/6,8	20/18/16	11,8/14/15,7	513/610/686	2,6/3,6/4,4	16,5/15/14
10	3000/4100/5100	13,7/16,3/18,3	600/713/801	3,3/4,6/5,6	23,5/21,5/20,5	10,2/12,1/13,6	445/529/595	2/2,7/3,4	20/19/18
15		12,2/14,5/16,2	532/632/710	2,7/3,7/4,5	27/25/24	8,6/10,2/11,5	376/447/502	1,5/2/2,5	23,5/22,5/21,5
20		10,6/12,6/14,4	464/551/619	2,1/2,9/3,5	30,5/28,5/27,5	7/8,3/9,4	304/362/408	1/1,4/1,7	26,5/25,5/25

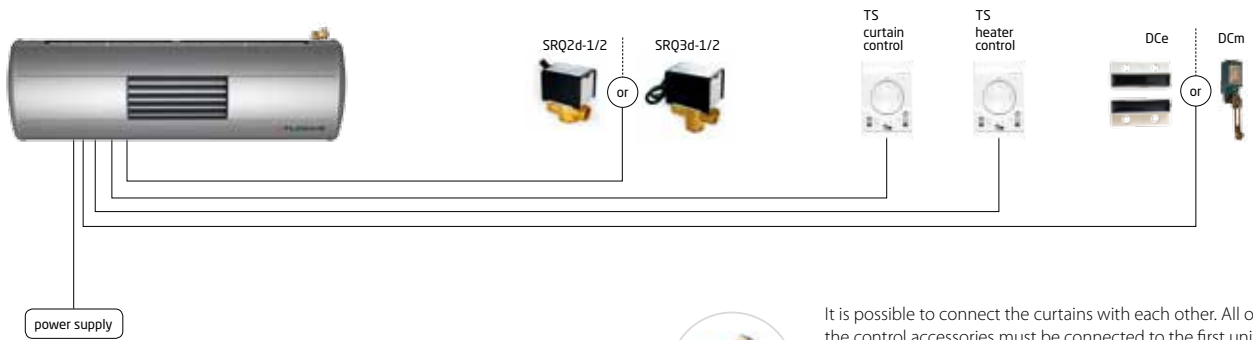
To obtain the operation parameters of the units powered with heating medium at the other temperatures please contact the sales office.

V - air flow Tp1 - inlet air temperature Tw1 - inlet water temperature Qw - water stream flow in the heat exchanger
 PT - heating capacity Tp2 - outlet air temperature Tw2 - outlet water temperature Δpw - water pressure drop in the heat exchanger



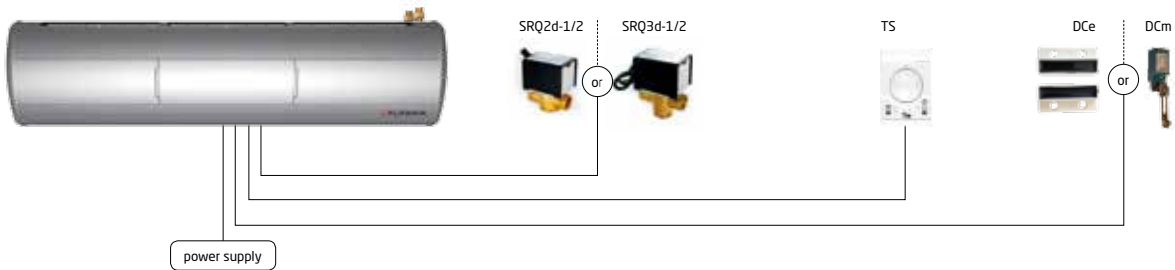
Control systems

ELIS DUO

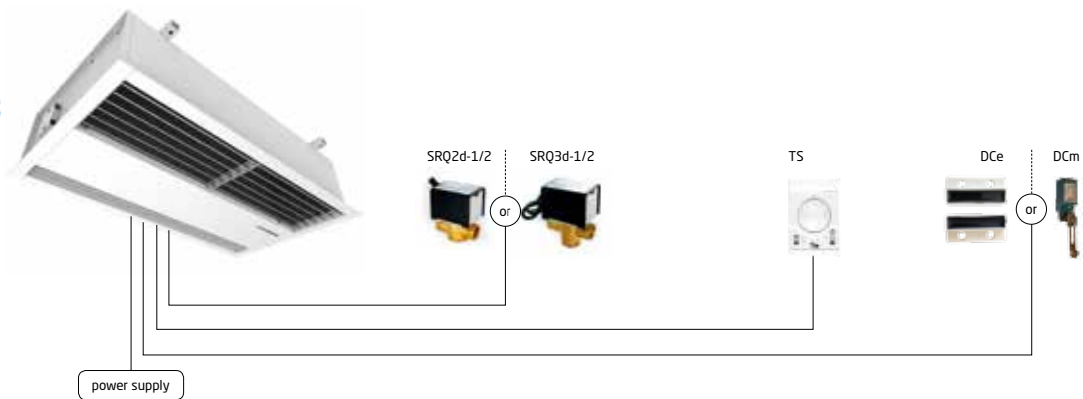


It is possible to connect the curtains with each other. All of the control accessories must be connected to the first unit (MASTER). The CW wire (with RJ connectors) ensures transfer of control signals to the other units. Up to 5 units can be connected in this way.

ELIS A



ELIS B

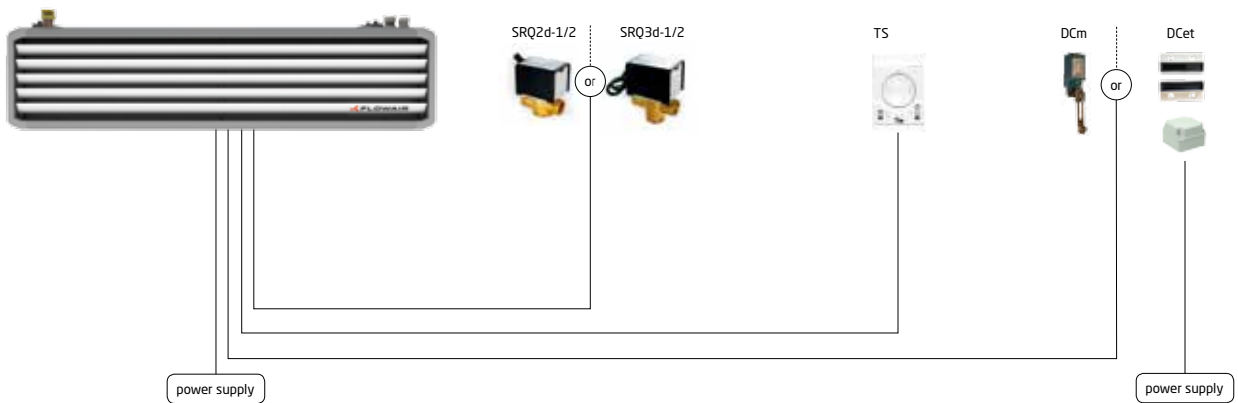


ELiS A, ELiS B and ELiS DUO curtains are equipped with control system prepared to be a part of BMS. ELiS T and ELiS G curtains can be equipped with external control module DRV ELiS which enables communication with BMS.

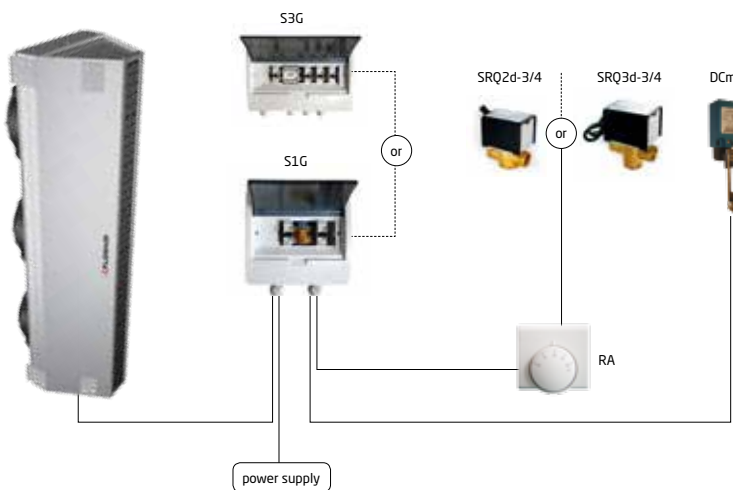


Control systems

ELiS T



ELiS G



1. SRQ2d - two way valve with electric actuator
2. SRQ3d - three way valve with electric actuator
3. TA - three step speed regulator
4. TS - room thermostat with built-in 3-step speed regulator
5. DCe - magnetic door switch
6. DCm - mechanical door switch
7. S1G - power & control box for 1 curtain
8. S3G - power & control
10. DCet - magnetic door switch with power & control box (for ELiS T/G)



Find out more

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FLOWAIR SP.J.
81-571 Gdynia, ul. Chwaszczyńska 151E

tel. +48 58 627 57 22-24,
fax +48 58 627 57 21

e-mail: export@flowair.pl

www.flowair.com