



Air curtains and curtain-heater units



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	
	Curtain Heater	Curtain Heater
Power supply [V/Hz]	230 / 50	3 x 400 / 50
Power consumption [kW]	0,25	10,1
Current consumption [A]	1,1	14,7
IP	21	21
Insulation class	F	F
Connection ["]	½"	-
Air flow stream [m³/h]	700 1400	700 1400
Acoustic pressure level [dB(A)]*	56	56
Max. heating water temperature [°C]	95	-
Max. operating pressure [MPa]	1,6	-
Air temperature rise (ΔT) [°C]**	30	20
Weight of unit [kg]	23,9	28,5
Weight of unit filled with water [kg]	25,3	-
Range [m]***	2,5 8	2,5 8

* Acoustic pressure level at the distance of 2 m from the unit, in the room of medium capability of sound absorption and 500 m³ of cubature.
 ** For DUO at heating medium temperature 90/70°C, inlet air temperature 10°C / for DUO EL 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.

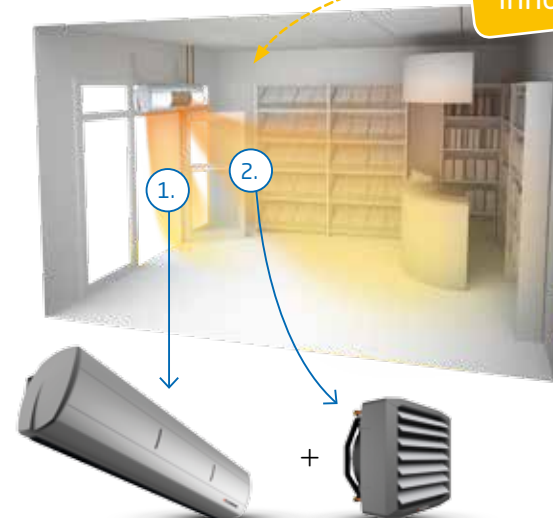


Dimensions



Dimensions [mm]	ELIS DUO/DUO EL
A	1125
B	356
C	393
D	390
E	440

Principle of operation



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

* heater is an alternative solution for traditional radiators

FLOWAIR's innovation

Heating capacities

ELIS DUO									
Curtain section									
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		12,1/14,9/17,2			42/37/34	10,4/12,8/14,8			36/32/29
5		11,2/13,7/15,9			44/40/37	9,5/11,7/14,8			38/35/32
10	800/1100/1400	10,3/12,6/14,7	max.1141	max.12,8	47/43/40	8,6/10,6/12,3	max.976	max.9,9	41/38/35
15		9,4/11,6/13,4			49/46/43	7,8/9,5/11,1			43/40/38
20		8,6/10,5/12,2			52/48/46	6,9/8,5/9,8			46/43/41
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0		8,7/10,7/12,4			30/27/24	7,0/8,5/9,9			24/21/20
5		7,8/9,6/11,1			32/30/27	6,1/7,5/8,6			26/24/22
10	800/1100/1400	6,9/8,5/9,9	max.811	max.7,3	35/32/30	5,2/6,4/7,4	max.646	max.5,0	29/27/25
15		6,1/7,5/8,7			37/35/33	4,3/5,3/6,2			31/29/28
20		5,2/6,4/7,5			39/37/36	3,5/4,3/5,0			33/32/31
Heater section									
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		6,1/7,4/8,6			42/37/34	5,2/6,4/7,4			36/32/29
5		5,6/6,9/8,0			44/40/37	4,8/6,4/6,8			38/35/32
10	400/550/700	5,2/6,3/7,3	max.1141	max.12,8	47/43/40	4,3/5,3/6,1	max.976	max.9,9	41/38/35
15		4,7/5,8/6,7			49/46/43	3,9/4,8/5,5			43/40/38
20		4,3/5,3/6,1			52/48/46	3,4/4,2/4,9			46/43/41
Tw1 / Tw2 = 70/50 °C					Tw1 / Tw2 = 60/40 °C				
0		4,4/5,3/6,2			30/27/24	3,5/4,3/4,9			24/21/20
5		3,9/4,8/5,6			32/30/27	3,0/3,7/4,3			26/24/22
10	400/550/700	3,5/4,3/4,9	max.811	max.7,3	35/32/30	2,6/3,2/3,7	max.646	max.5,0	29/27/25
15		3,0/3,7/4,3			37/35/33	2,2/2,7/3,1			31/29/28
20		2,6/3,2/3,7			39/37/36	1,7/2,1/2,5			33/32/31

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

- V - air flow
- PT - heating capacity
- Tp1 - inlet air temperature
- Tp2 - outlet air temperature
- 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 outlook is a priority

New!
Light casing.
Three lengths.

ELiS A



ELiS A is available in version:

- 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	3 x 400 / 50	230 / 50	230 / 50	3 x 400 / 50	230 / 50	230 / 50	3 x 400 / 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
Insulation class	F	F	F	F	F	F	F	F	F
Connection ["]	½"	-	-	½"	-	-	½"	-	-
Air flow stream [m³/h]	1500	1500	1500	2500	2500	2500	3500	3500	3500
Acoustic pressure level [dB(A)]*	52	52	52	56	56	56	57	57	57
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]***	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5

* Acoustic pressure level at the distance of 2 m from the unit, in the room of medium capability of sound absorption and 500 m³ of cubature.
** 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

Dimension [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



Heating capacities

ELiS A 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				
0		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	850/1150/1500	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				
0		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	850/1150/1500	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 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				
0		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	1650/2100/2500	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				
0		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	1650/2100/2500	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 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				
0		25,7/29/32,2	1135/1271/1419	12/14,5/18	32/29/27	22,24/27/27,6	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	2400/2900/3500	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				
0		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	2400/2900/3500	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
- PT - heating capacity
- Tp1 - inlet air temperature
- Tp2 - outlet air temperature
- 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 range is a priority



ELiS G



Designed for industrial buildings

- ELiS G is available in version:
- 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	3 x 400 / 50	230 / 50	230 / 50	3 x 400 / 50
Power consumption [kW]	0,66	0,66	12,7	1	1	20
Current consumption [A]	3	3	20,5	4,5	4,5	32
IP	54	54	54	54	54	54
Insulation class	F	F	F	F	F	F
Connection ["]	3/4"	-	-	3/4"	-	-
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

* Acoustic pressure level at the distance of 2 m from the unit, in the room of medium capability of sound absorption and 1500 m³ of cubature.
 ** 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

Dimension [mm]	ELiS G 150	ELiS G 200
A	1562	2070
B	639	639
C	550	550
D	125	125



Heating capacities

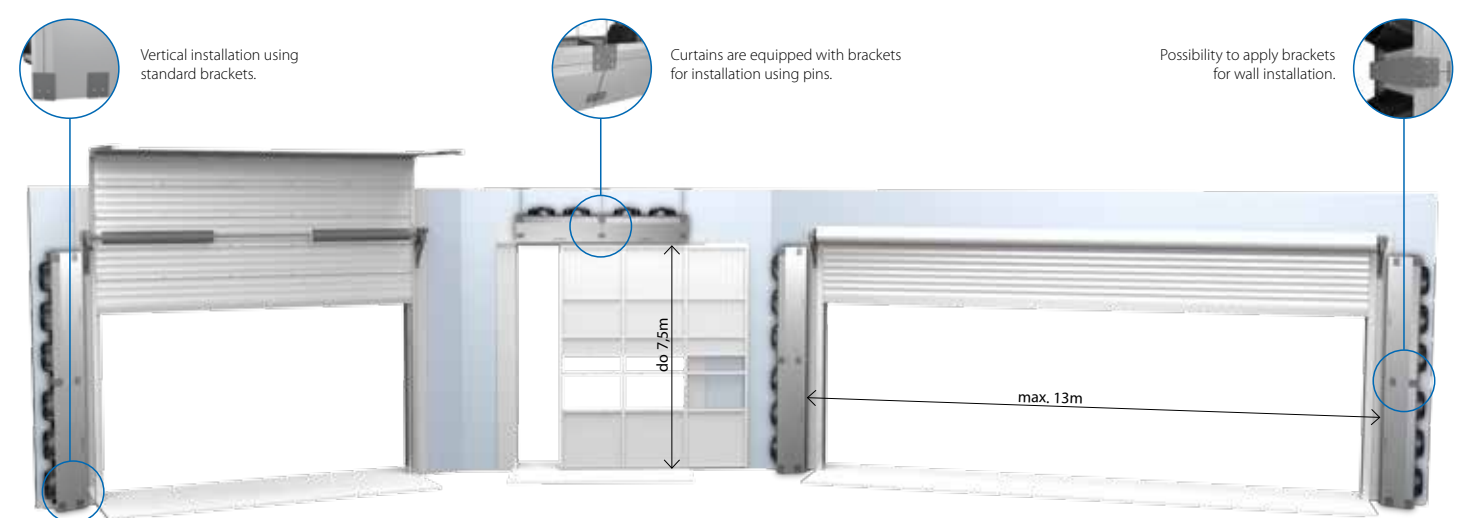
ELiS G 150										
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2	
°C	m3/h		kW	l/h	°C	kW	l/h	kPa	°C	
			Tw1 / Tw2 = 90/70 °C			Tw1 / Tw2 = 70/50 °C				
0			33,8	1490	7	15	24,3	1060	5	11
5			31,2	1370	6	19	21,8	950	4	15
10	6200		28,7	1260	5	23,5	19,4	850	3	19
15			26,2	1150	5	27,5	17	740	3	23
20			23,7	1050	4	31,5	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 200										
Tp1	V	PT	Qw	Δpw	Tp2	PT	Qw	Δpw	Tp2	
°C	m3/h		kW	l/h	°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
- PT - heating capacity
- Tp1 - inlet air temperature
- Tp2 - outlet air temperature
- Tw1 - inlet water temperature
- Tw2 - outlet water temperature
- Qw - water stream flow in the heat exchanger
- Δpw - water pressure drop in the heat exchanger

Examples of installation



Universal installation options

ELIS T



ELIS T is available in version:

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

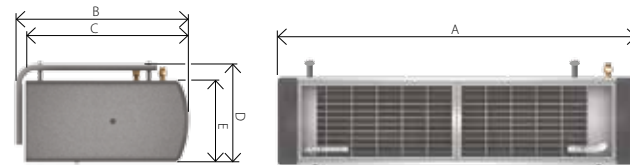
Technical data

	ELIS T2-W-100	ELIS T2-N-100	ELIS T2-E-100	ELIS T2-W-150	ELIS T2-N-150	ELIS T2-E-150	ELIS T2-W-200	ELIS T2-N-200	ELIS T2-E-200
Power supply [V/Hz]	230 / 50	230 / 50	3 x 400 / 50	230 / 50	230 / 50	3 x 400 / 50	230 / 50	230 / 50	3 x 400 / 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
Insulation class	F	F	F	F	F	F	F	F	F
Connection ["]	½"	-	-	½"	-	-	½"	-	-
Air flow stream [m³/h]	1770	1770	1770	2500	2500	2500	3500	3500	3500
Acoustic pressure level [dB(A)]*	53	53	53	56	56	56	58	58	58
Max. heating water temperature [°C]	95	-	-	95	-	-	95	-	-
Max. operating pressure [MPa]	1,6	-	-	1,6	-	-	1,6	-	-
Air temperature rise (ΔT) [°C]**	30	-	25	21	-	21	20	-	18
Weight of unit [kg]	24	20,5	24,8	34,3	29,9	36	46,8	42,1	49,4
Weight of unit filled with water [kg]	25,2	-	-	35,9	-	-	48,2	-	-
Range [m]***	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5

* Acoustic pressure level at the distance of 2 m from the unit, in the room of medium capability of sound absorption and 500 m³ of cubature.
 ** For T2-W-100/150/200 at heating medium temperature 90/70°C, inlet air temperature 10°C / for T2-E-100/150/200 at inlet air temperature 10°C
 *** Range of vertical isothermal air stream, at 2 m/s velocity limit.

Dimensions

[mm]	T2-W/N/E-100	T2-W/N/E-150	T2-W/N/E-200
A	1030	1530	2030
B	530	530	530
C	470	470	470
D	310	310	310
E	250	250	250



Examples of installation



Heating capacities

ELIS T with water heat exchanger

ELIS T2-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		15,4/18,3/21,7	678/808/959	4,6/6,4/8,7	42/38/34	13,2/15,7/18,6	578/689/818	3,5/4,9/6,7	36/32/29	
5		14,2/16,9/20,1	626/746/886	4,0/5,5/7,6	44/41/37	12,0/14,3/17,0	528/629/747	3,0/4,1/5,7	36/35/32	
10	1020/1340/1770	13,0/15,5/18,5	575/686/815	3,4/4,7/6,5	47/43/40	10,9/13,0/15,4	478/570/677	2,5/3,5/4,7	41/38/35	
15		11,9/14,2/16,9	525/627/745	2,9/4,0/5,5	49/46/43	9,8/11,7/13,8	429/512/608	2,1/2,8/3,9	43/40/38	
20		10,8/12,9/15,3	476/568/676	2,4/3,3/4,6	51/48/46	8,7/10,4/12,3	381/455/540	1,7/2,3/3,1	45/43/41	
Tw1/Tw2=70/50°C						Tw1/Tw2=60/40°C				
0		10,9/13,0/15,5	479/570/677	2,6/3,6/4,9	30/27/24	8,7/10,4/12,3	378/451/535	1,8/2,4/3,3	24/21/19	
5		9,8/11,7/13,9	429/512/607	2,1/2,9/4,0	32/30/27	7,6/9,0/10,7	329/393/467	1,4/1,9/2,6	26/24/22	
10	1020/1340/1770	8,7/10,4/12,3	380/454/539	1,7/2,4/3,2	34/32/30	6,4/7,7/9,2	280/335/399	1,0/1,4/1,9	28/26/25	
15		7,6/9,1/10,8	332/396/471	1,4/1,9/2,5	37/35/33	5,3/6,4/7,6	231/278/331	0,7/1,0/1,4	30/29/28	
20		6,5/7,8/9,2	285/340/404	1,0/1,4/1,9	39/37/35	4,2/5,0/6,0	181/219/263	0,5/0,7/0,9	32/31/30	

ELIS T2-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		15,9/18,3/20,2	684/792/900	4,1/5,3/6,4	29/26/24	13,6/15,6/17,2	612/684/756	3,1/4,1/4,9	24/22/20	
5		14,9/17,1/18,9	648/756/828	3,6/4,7/5,7	32/29/27	12,5/14,4/15,9	540/648/684	2,7/3,5/4,2	27/25/24	
10	1650/2100/2500	13,9/15,9/17,6	612/720/792	3,2/4,1/5,0	35/32/31	11,5/13,2/14,6	504/576/648	2,3/3,0/3,6	30/29/27	
15		12,8/14,7/16,3	576/648/720	2,8/3,6/4,3	38/36/34	10,4/12,0/13,2	468/540/576	1,9/2,5/3,0	34/32/31	
20		11,8/13,5/14,9	504/612/648	2,4/3,1/3,7	41/39/37	9,4/10,8/11,9	396/468/540	1,6/2,1/2,5	37/35/34	
Tw1/Tw2=70/50°C						Tw1/Tw2=60/40°C				
0		11,2/12,9/14,2	504/576/612	2,3/2,9/3,5	20/18/17	8,8/10,1/11,2	396/432/468	1,5/1,9/2,3	16/14/13	
5		10,1/11,7/12,9	432/504/576	1,9/2,4/2,9	23/21/20	7,7/8,9/9,8	324/396/432	1,2/1,5/1,8	19/17/16	
10	1650/2100/2500	9,1/10,4/11,5	396/468/504	1,5/2,0/2,4	26/25/24	6,6/7,6/8,4	288/324/360	0,9/1,2/1,4	22/21/20	
15		8,0/9,2/10,2	360/396/432	1,2/1,6/1,9	29/28/27	5,4/6,3/7,0	252/270/288	0,6/0,8/1,0	25/24/23	
20		6,9/8,0/8,8	288/360/396	0,9/1,2/1,5	32/31/30	4,2/4,9/5,5	180/216/252	0,4/0,5/0,6	27/26/25	

ELIS T2-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		21,5/24,0/26,7	936/1044/1188	8,3/10,2/12,4	27/25/23	18,4/20,6/22,9	828/900/1008	6,4/7,8/9,5	23/21/19	
5		20,1/22,5/25,0	900/1008/1116	7,4/9,0/11,0	30/28/26	17,1/19,1/21,2	756/828/936	5,6/6,8/8,3	26/24/23	
10	2400/2900/3500	18,8/21,0/23,3	936/936/1044	6,5/8,0/9,7	33/31/30	15,7/17,5/19,5	684/756/864	4,8/5,8/7,1	29/28/26	
15		17,4/19,4/21,6	756/864/936	5,7/6,9/8,4	36/35/33	14,3/16,0/17,8	612/720/792	4,0/4,9/6,0	32/31/30	
20		16,1/17,9/19,9	720/792/864	4,9/6,0/7,2	39/38/37	12,9/14,4/16,0	576/648/720	3,4/4,1/5,0	36/34/33	
Tw1/Tw2=70/50°C						Tw1/Tw2=60/40°C				
0		15,4/17,2/19,1	684/756/828	4,7/5,7/7,0	19/18/16	12,3/13,7/15,2	540/612/648	3,2/3,9/4,7	15/14/13	
5		14,0/15,6/17,4	612/684/756	4,0/4,8/5,9	22/21/20	10,9/12,1/13,5	468/540/576	2,6/3,1/3,8	18/17/16	
10	2400/2900/3500	12,6/14,1/15,6	540/612/684	3,3/4,0/4,8	25/24/23	9,4/10,5/11,7	396/468/504	2,0/2,4/3,0	22/21/19	
15		11,2/12,5/13,9	504/540/612	2,7/3,2/3,9	29/28/27	8,0/8,9/9,9	360/396/432	1,5/1,8/2,2	25/24/23	
20		9,8/10,9/12,1	432/468/540	2,1/2,5/3,1	32/31/30	6,5/7,3/8,1	288/324/360	1,0/1,3/1,5	28/27/26	

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

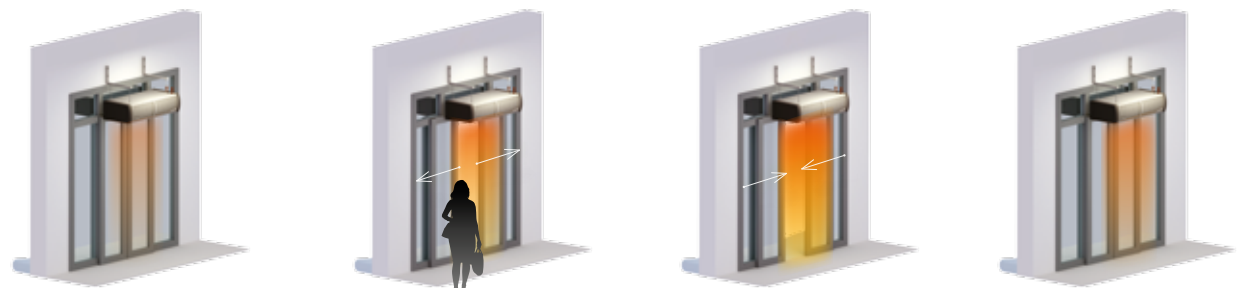
- V - air flow
- PT - heating capacity
- TP1 - inlet air temperature
- TP2 - outlet air temperature
- Tw1 - inlet water temperature
- Tw2 - outlet water temperature
- Qw - water stream flow in the heat exchanger
- Δpw - water pressure drop in the heat exchanger



Increase the functionality of control system - AF SYSTEM

Idle speed

When the doors are closed, fans are operating with lower speed. This solution eliminates delay in the air barrier arise, which is caused by the time needed to switch on the fans.



A) Doors are closed - fans are operating with lower speed.

B) Doors are opening - speed of fans is rising.

C) Doors are closing - speed of fans is still high.

D) Doors are closed - fans are operating with lower speed again.

Switch-off delay

In case when doors in the building keep opening and closing, AF system enables to set delay time of switching off the curtain or returning it into the idle speed mode. When the doors are closed, curtain is still operating for the set time. If the doors will open in a minute, there is no need to switch on the curtain again. This solution increases reliability of the components and improves the air barrier efficiency.



A) Doors are closed - fans are stopped.

B) Doors are open - fans are operating with speed set on the regulator.

C) Doors are closed - fans are operating for a delay time set by the User. After that time, curtain may switch off or return to idle speed mode.

D) Doors are closed - fans will switch off after the delay time.

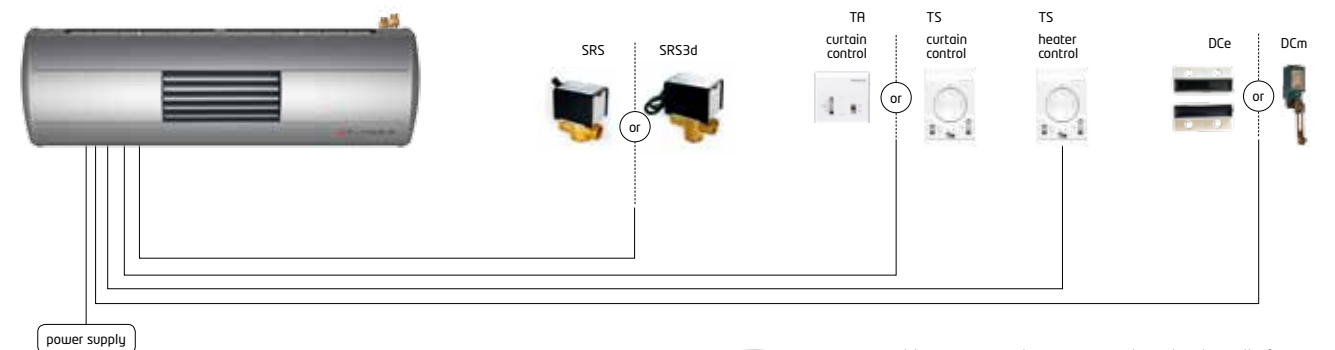
BMS programming

Control system is equipped with MODBUS communication protocol (RTU type), which enables connection of the unit to the BMS system. It makes possible to save and load main operation parameters of the curtain.



Control systems

ELiS DUO

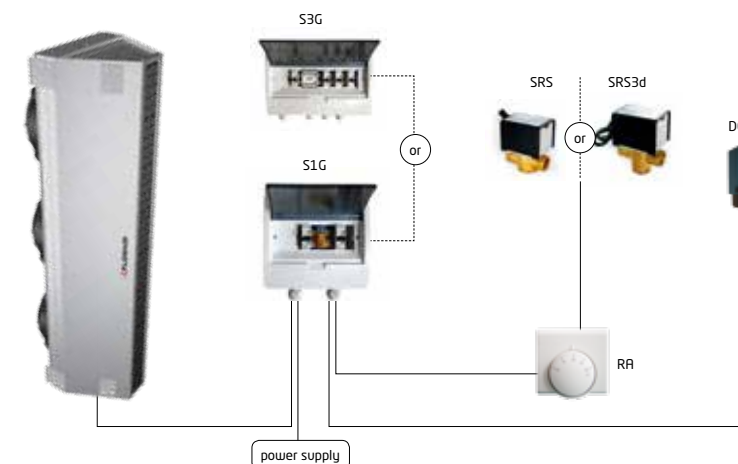


It is possible to connect the curtains with each other. All of the control accessories must be connected to the first unit (MASTER). The CW wire (with RJ connectors) ensures transfer of control signals to the other units. Up to 5 units can be connected in this way.

ELiS A, ELiS T



ELiS G



1. SRQ2d-3/4 - two way valve with electric actuator
2. SRQ3d-3/4 - 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 box for 3 curtains
9. RA - room thermostat



Find out more

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