



air-only



water heater



electric wire heater



BASIC FEATURES

STANDESSE EC is an extraordinary high-performance air curtain powered by energy-efficient EC fans. With its fine and attractive design it is a perfect fit for representative premises, such as **banks, luxury shops, shopping centres, airports and administrative buildings** with a recommended installation height up to 5 m*.

**Maximum recommended installation height – may vary according the particular conditions at the installation site.*

- Length: 1,0; 1,5; 2,0 and 2,5 m
- **Airflow up to 6.400 m³/h** (ISO 27 327-1)
- **Energy-efficient** and cost saving **EC fans**
- Very low noise level
- FACE2-in-1 Suction grille & Filter in one part
- **AirGENIO** modular control (BASIC, COMFORT and SUPERIOR)
- Easy installation and service
- Standard colour RAL 9016 and any RAL on request

The air curtain shall be installed indoors in a dry environment with ambient temperature ranging from 0°C up to +35 °C and relative humidity not exceeding 80 %. It is designed for conveying air free of rough dust, grease, chemical fumes and other impurities. IP rating of the air curtain is IP20. **The air curtain project shall always be designed by a HVAC engineer designer.**



PRIMARY PARAMETERS

Air curtains with electric heater are fitted with automatic heat thermostat and emergency thermostat with manual reset. Air curtains with LPHW coil are designed for the maximum operating water temperature of +100 °C and maximum operating pressure of 1.6 MPa.

Type	Recommended installation height [m]	Air output [m³/h] *1					
		100%	80%	60%	40%	20%	
VCST4B100-S0EC	4,0	1900	1750	1600	1350	950	
VCST4B150-S0EC		2800	2650	2380	2000	1450	
VCST4B200-S0EC		3800	3570	3200	2750	1950	
VCST4B250-S0EC		4700	4470	4000	3400	2400	
VCST4B100-E1EC		1900	1750	1600	1350	950	
VCST4B150-E1EC		2800	2650	2380	2000	1450	
VCST4B200-E1EC		3800	3570	3200	2750	1950	
VCST4B250-E1EC		4700	4470	4000	3400	2400	
VCST4B100-V2EC		1850	1700	1550	1300	900	
VCST4B150-V2EC		2700	2500	2270	1920	1400	
VCST4B200-V2EC		3700	3470	3140	2650	1900	
VCST4B250-V2EC		4500	4200	3800	3200	2330	
VCST4C100-S0EC		5,0	2550	2400	2150	1800	1270
VCST4C150-S0EC			3650	3400	3100	2600	1850
VCST4C200-S0EC	4650		4350	3900	3300	2400	
VCST4C250-S0EC	6400		6000	5350	4500	3150	
VCST4C100-E1EC	2550		2400	2150	1800	1270	
VCST4C150-E1EC	3650		3400	3100	2600	1850	
VCST4C200-E1EC	4650		4350	3900	3300	2400	
VCST4C250-E1EC	6400		6000	5350	4500	3150	
VCST4C100-V2EC	2450		2300	2050	1750	1200	
VCST4C150-V2EC	3500		3250	2900	2400	1800	
VCST4C200-V2EC	4550		4150	3700	3150	2250	
VCST4C250-V2EC	5900		5500	4950	4200	2850	
VCST4C150-V3EC	3450		3200	2900	2400	1750	
VCST4C200-V3EC	4450		4100	3650	3100	2200	
VCST4C250-V3EC	5850		5450	4900	4150	2800	

*1 Airflow volume according ISO27327-1

*2 Acoustic pressure values at 3 m distance for maximum speed. Directional factor: Q=2.

*3 Sound power (LWA) measurements according to ISO 27327-2.

Type	Sound power [dB(A)] ¹					Acoustic pressure at 3 m [dB(A)] ²				
	Fan speed									
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
VCST4B100-S0EC	75	73	71	68	64	53	52	50	47	42
VCST4B150-S0EC	76	74	72	69	60	54	53	50	47	38
VCST4B200-S0EC	78	76	74	70	62	56	55	52	48	40
VCST4B250-S0EC	80	78	75	72	63	58	56	53	50	41
VCST4B100-E1EC	75	73	71	68	64	53	52	50	47	42
VCST4B150-E1EC	76	74	72	69	60	54	53	50	47	38
VCST4B200-E1EC	78	76	74	70	62	56	55	52	48	40
VCST4B250-E1EC	80	78	75	72	63	58	56	53	50	41
VCST4B100-V2EC	74	73	71	68	63	53	51	50	47	42
VCST4B150-V2EC	76	74	73	69	60	55	53	51	47	38
VCST4B200-V2EC	77	76	73	70	61	56	54	52	48	40
VCST4B250-V2EC	79	77	75	71	62	57	55	53	49	40
VCST4C100-S0EC	77	75	73	69	61	56	54	51	47	39
VCST4C150-S0EC	78	77	76	71	65	57	55	54	50	43
VCST4C200-S0EC	80	78	76	73	68	58	57	54	51	46
VCST4C250-S0EC	81	79	77	73	64	59	57	55	51	42
VCST4C100-E1EC	77	75	73	69	61	56	54	51	47	39
VCST4C150-E1EC	78	77	76	71	65	57	55	54	50	43
VCST4C200-E1EC	80	78	76	73	68	58	57	54	51	46
VCST4C250-E1EC	81	79	77	73	64	59	57	55	51	42
VCST4C100-V2EC	78	77	76	75	63	57	56	55	53	42
VCST4C150-V2EC	78	77	75	72	65	57	56	54	51	43
VCST4C200-V2EC	79	77	76	73	67	58	56	54	51	46
VCST4C250-V2EC	80	78	76	72	64	58	56	54	50	42
VCST4C150-V3EC	78	77	75	72	65	57	56	54	51	43
VCST4C200-V3EC	79	77	76	73	67	58	56	54	51	46
VCST4C250-V3EC	80	78	76	72	64	58	56	54	50	42

¹ Sound power (LWA) measurements according to ISO 27327-2.

² Acoustic pressure values at 3 m distance for maximum speed. Directional factor: Q=2.

Type	Heater power output [kW]		Total power input [kW]	Total voltage/ current [V/A]	Motors voltage/ current [V/A]	Temperature increase Δt [°C]	Frequency [Hz]	Weight [kg] ⁴
	1st level	2st level						
VCST4B100-S0EC	-	-	0,34	230/2,4	230/2,4	-	50/60	38
VCST4B150-S0EC	-	-	0,5	230/3,4	230/3,4	-	50/60	53
VCST4B200-S0EC	-	-	0,68	230/4,4	230/4,4	-	50/60	68
VCST4B250-S0EC	-	-	0,85	230/5,4	230/5,4	-	50/60	83
VCST4B100-E1EC	4,6	9,4	9,74	400/16	230/2,4	14,7	50/60	42
VCST4B150-E1EC	7,6	15	15,5	400/25,1	230/3,4	16	50/60	57
VCST4B200-E1EC	9,8	19	19,68	400/31,9	230/4,4	14,9	50/60	73
VCST4B250-E1EC	12,5	24,5	25,35	400/40,8	230/5,4	15,5	50/60	89
VCST4B100-V2EC	-	-	0,34	230/2,4	230/2,4	6,1 ²	50/60	44
VCST4B150-V2EC	-	-	0,5	230/3,4	230/3,4	17,1 ²	50/60	59
VCST4B200-V2EC	-	-	0,68	230/4,4	230/4,4	31,4 ²	50/60	75
VCST4B250-V2EC	-	-	0,85	230/5,4	230/5,4	43 ²	50/60	87
VCST4C100-S0EC	-	-	0,50	230/3,3	230/3,3	-	50/60	42
VCST4C150-S0EC	-	-	0,68	230/4,5	230/4,5	-	50/60	57
VCST4C200-S0EC	-	-	0,84	230/5,3	230/5,3	-	50/60	71
VCST4C250-S0EC	-	-	1,20	230/7,2	230/7,2	-	50/60	89
VCST4C100-E1EC	4,6	9,4	9,9	400/16,9	230/3,3	11,6	50/60	47
VCST4C150-E1EC	7,6	15	15,68	400/21,2	230/4,5	12,3	50/60	61
VCST4C200-E1EC	9,8	19	19,84	400/32,8	230/5,3	10	50/60	77
VCST4C250-E1EC	12,5	24,5	25,7	400/42,6	230/7,2	11,4	50/60	101
VCST4C100-V2EC	-	-	0,50	230/3,3	230/3,3	34,5	50/60	49
VCST4C150-V2EC	-	-	0,68	230/4,5	230/4,5	34,7	50/60	63
VCST4C200-V2EC	-	-	0,84	230/5,3	230/5,3	36,7	50/60	79
VCST4C250-V2EC	-	-	1,20	230/7,2	230/7,2	36,1	50/60	99
VCST4C150-V3EC	-	-	0,68	230/4,5	230/4,5	13,1 ³	50/60	67
VCST4C200-V3EC	-	-	0,84	230/5,3	230/5,3	13,1 ³	50/60	83
VCST4C250-V3EC	-	-	1,20	230/7,2	230/8,7	13 ³	50/60	103

* At the maximum air flow and maximum heater power

² Intake air temperature +18°C, water temperature gradient of 90/70 °C and highest fan speed.

³ Intake air temperature +18°C, water temperature gradient of 40/30 °C and highest fan speed.

⁴ Weight without controls.

LPHW coil parameters for water temperature gradient 90/70 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m ³ /h]	[kW]	[°C]	[kPa]	[l/s]
VCST4B100-V2EC	1850	24,1	56,6	8,2	0,30
VCST4B150-V2EC	2700	35,1	56,5	5,5	0,43
VCST4B200-V2EC	3700	49,4	57,6	11,6	0,61
VCST4B250-V2EC	4500	61	58,1	18,4	0,75
VCST4C100-V2EC	2450	28,5	52,5	11,3	0,35
VCST4C150-V2EC	3500	41,0	52,7	7,5	0,51
VCST4C200-V2EC	4450	55,8	54,7	14,6	0,69
VCST4C250-V2EC	5900	72,0	54,1	25,3	0,89

* Temperature of intake air: +18 °C

LPHW coil parameters for water temperature gradient 80/60 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
VCST4B100-V2EC	1850	19,7	49,5	5,7	0,24
VCST4B150-V2EC	2700	28,5	49,2	3,8	0,35
VCST4B200-V2EC	3700	40,5	50,4	8,1	0,50
VCST4B250-V2EC	4500	50,2	51,0	12,9	0,62
VCST4C100-V2EC	2450	23,3	46,1	7,8	0,29
VCST4C150-V2EC	3500	33,2	46,1	5,0	0,41
VCST4C200-V2EC	4450	45,6	48,0	10,1	0,56
VCST4C250-V2EC	5900	59,1	47,7	17,6	0,73

* Temperature of intake air: +18 °C

LPHW coil parameters for water temperature gradient 70/50 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
VCST4B100-V2EC	1850	15,3	42,4	3,6	0,19
VCST4B150-V2EC	2700	21,8	41,9	2,3	0,27
VCST4B200-V2EC	3700	31,5	43,2	5,1	0,38
VCST4B250-V2EC	4500	39,3	43,9	8,2	0,48
VCST4C100-V2EC	2450	18,0	39,7	4,9	0,22
VCST4C150-V2EC	3500	25,4	39,5	3,1	0,31
VCST4C200-V2EC	4450	35,3	41,3	6,3	0,43
VCST4C250-V2EC	5900	46,1	41,2	11,1	0,56

* Temperature of intake air: +18 °C

LPHW coil parameters for water temperature gradient 60/40 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
VCST4B100-V2EC	1850	10,8	35,2	1,9	0,13
VCST4B150-V2EC	2700	15,1	34,5	1,2	0,18
VCST4B200-V2EC	3700	22,3	35,9	2,7	0,27
VCST4B250-V2EC	4500	28,2	36,6	4,5	0,34
VCST4C100-V2EC	2450	12,6	33,2	2,6	0,15
VCST4C150-V2EC	3500	17,4	32,7	1,5	0,21
VCST4C200-V2EC	4450	25,0	34,4	3,3	0,30
VCST4C250-V2EC	5900	32,9	34,5	6,0	0,40

* Temperature of intake air: +18 °C

LPHW coil parameters for water temperature gradient 50/30 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
VCST4C150-V3EC	3450	17,7	33,1	7,5	0,21
VCST4C200-V3EC	4450	23,1	33,3	6,8	0,28
VCST4C250-V3EC	5850	30,6	33,4	12,8	0,40

* Temperature of intake air: +18 °C

LPHW coil parameters for water temperature gradient 40/30 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
VCST4C150-V3EC	3450	14,7	30,6	18,9	0,35
VCST4C200-V3EC	4450	19,2	30,7	17,2	0,46
VCST4C250-V3EC	5850	25,2	30,7	31,7	0,61

* Temperature of intake air: +18 °C

LPHW coil parameters for water temperature gradient 35/25 °C

Type	Air output	Heat output	Temperature at exhaust	Pressure loss	Water flow
	[m³/h]	[kW]	[°C]	[kPa]	[l/s]
VCST4C150-V3EC	3450	9,6	26,2	9,1	0,23
VCST4C200-V3EC	4450	12,6	26,3	8,2	0,30
VCST4C250-V3EC	5850	16,7	26,4	15,5	0,40

* Temperature of intake air: +18 °C

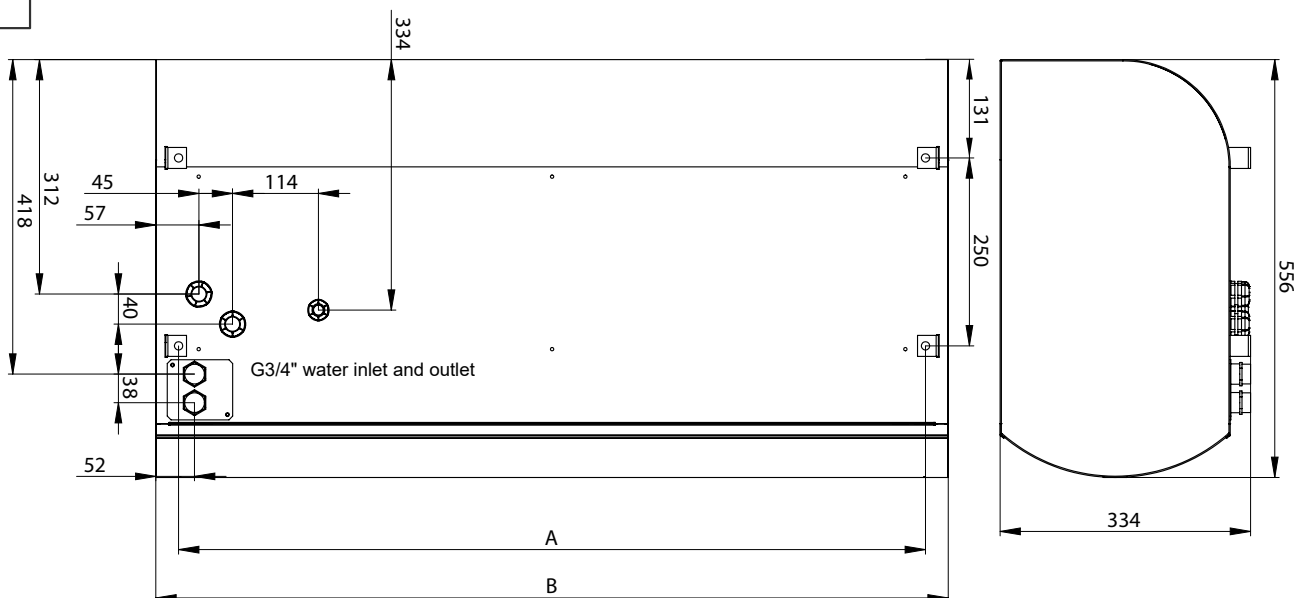
Recommended mixing points for LPHW coil 3-way valve

Type	Control module	90/70 °C	80/60 °C	70/50 °C	60/40 °C
		3-way valve			
VCST4B100-V2	BASIC	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
	SUPERIOR	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
VCST4B150-V2	BASIC	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
	SUPERIOR	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
VCST4B200-V2	BASIC	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
	SUPERIOR	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
VCST4B250-V2	BASIC	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
	SUPERIOR	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
VCST4C100-V2	BASIC	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
	SUPERIOR	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
VCST4C150-V2	BASIC	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20	ZV3-230-04,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
	SUPERIOR	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20	ZV3-024-04,0-20
VCST4C200-V2	BASIC	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
	SUPERIOR	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
VCST4C250-V2	BASIC	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20	ZV3-230-21,0-20
		RT-3-07	RT-3-07	RT-3-07	RT-3-07
	COMFORT	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20
	SUPERIOR	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20	ZV3-024-06,3-20

Recommended mixing points for LPHW coil 2-way valve

Type	Control module	90/70 °C	80/60 °C	70/50 °C	60/40 °C
		2-way valve			
VCST4B100-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4B150-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4B200-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4B250-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4C100-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4C150-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4C200-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
VCST4C250-V2	BASIC	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20	ZV2-230-08,0-20
	COMFORT	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20
	SUPERIOR	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20	ZV2-024-08,0-20

DIMENSIONS

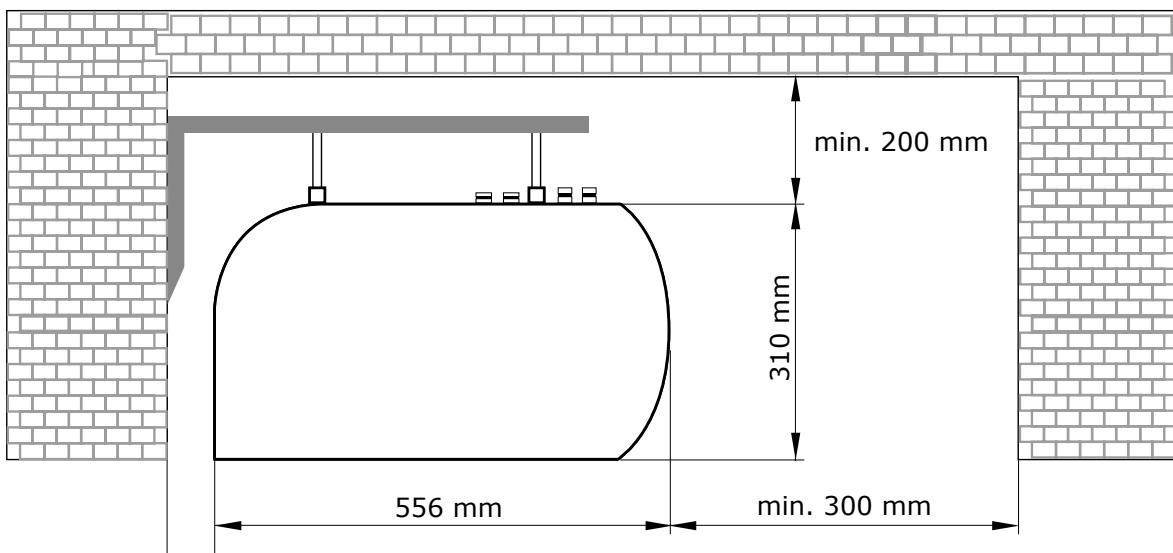


Type	Spacing of installation holes A [mm]	Width B [mm]
VCST4x100...	994	1054
VCST4x150...	1494	1554
VCST4x-200...	1994	2054
VCST4x-250...	2394	2454



INSTALLATION AND ASSEMBLY

- The air curtain shall be installed in a horizontal position only.
- The air curtain shall be located as close to the top edge of the doorway as possible, see figure.
- To ensure a correct function it is recommended that the air curtain overlaps the doorway by 100 mm on both sides.
- Correct operation of the air curtain requires that specified distances from the surrounding objects are observed, see figure.
- Position of the heating water and power supply connections shall be taken into consideration during installation.
- Suspension holders are used for installing the air curtains see ACCESSORIES.



CONTROL

The **STANDESSE** air curtains are produced with universal interface for control module connection. There are three types of control modules available (BASIC, COMFORT and SUPERIOR). Control module is a required accessory for each air curtain. Additional change of control system is available. Control module is connected with air curtain by quick connection sockets. The basic differences among individual control module types are given in table underneath.



CONTROL

Overview of functions and sensor connections



AirGENIO control		BASIC VCST4-AGBA1-M-EC	COMFORT VCST4-AGCO1-M-EC	SUPERIOR VCST4-AGSU1-M-EC
	Type of controller	Manual	Touch screen	Touch screen
	Mode	Manual	Manual / Auto	Manual / Auto
	Control of air output	PWM	PWM	PWM
	Control of electric heater	OFF / Level1 / Level2	OFF / Level1 / Level2	PWM
	Control of water heater	ON/OFF	ON-OFF / 0-10V	0-10V
	Antifreeze protection of LPHW	NO	YES	YES
	Possibility of connecting a door contact	YES	YES	YES
	External control	NO	YES	YES
	Temperature measurement	NO	YES (NTC)*	YES (NTC)*
	Chaining air curtains	NO	YES – max 10+1 pcs	YES – max 10+1 pcs
	Indication of selected function	NO	YES (Display)	YES (Display)
	Controller connection to air curtain	Power wire + Communication cable (UTP)	Communication cable (UTP)	Communication cable (UTP)
	Self learning mode	NO	YES	YES
	BMS connection	NO	Modbus RTU	Modbus RTU, Modbus TCP, BACnet
	Error contact	NO	YES	YES
	2 nd control panel ready	NO	YES	YES

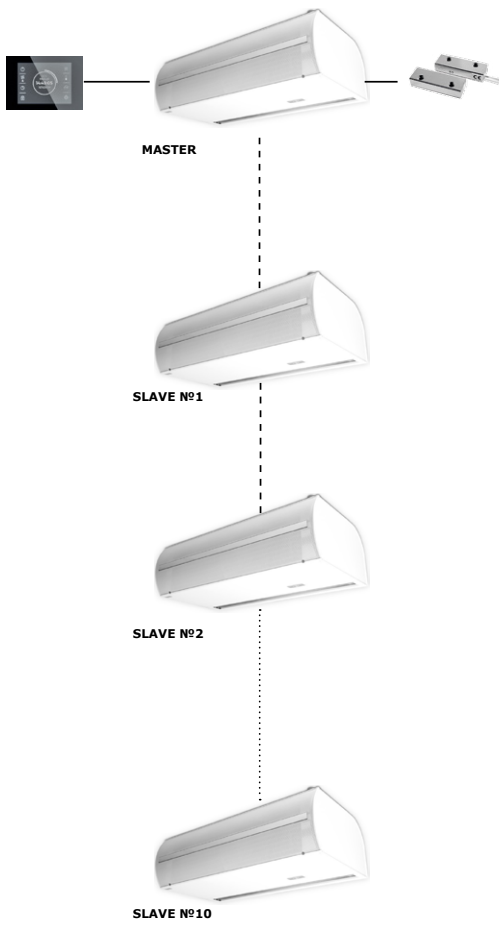
*) Temperature sensor included in standard. Temperature shown on display.



CHAINING EXAMPLE

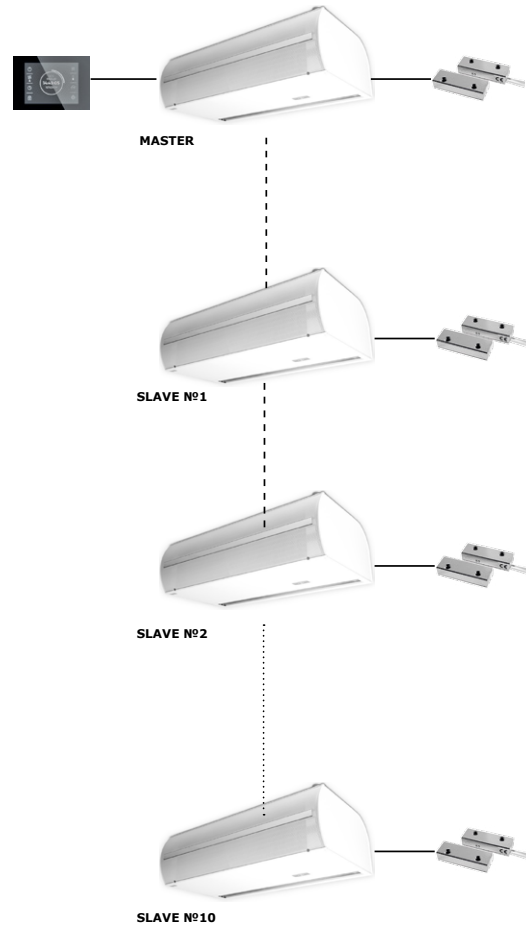
COMFORT / SUPERIOR

Global Door contact function active
(Single door with multiple air curtains)



COMFORT / SUPERIOR

Global Door contact function not active
(Multiple doors with own door contact)





ACCESSORIES

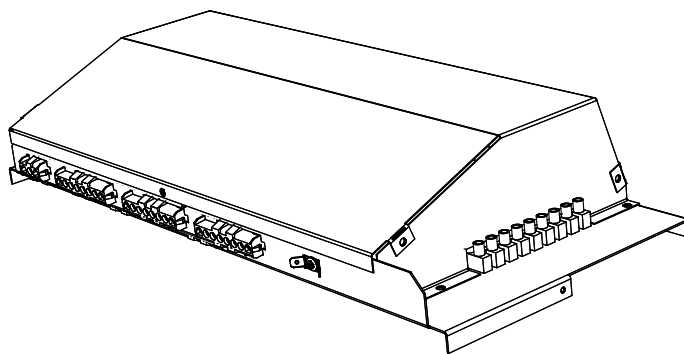
REQUIRED ACCESSORIES

These accessories shall be ordered to make the air curtain functional.

AirGENIO control module

A control module is a required accessory for air curtain and shall be ordered for each air curtain. Control panel is included in delivery of control module. The ordering key for control modules is provided below.

Communication cable has to be ordered separately as an optional accessory.



VCST4 - AGCO1 - M- EC - S0 - OA0

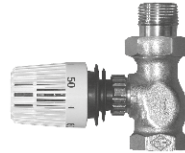
- OA0** – 2V version
- S0** – Without heating
- E2** – Electric heater 2-STEP control (BASIC, COMFORT)
- EF** – Electric heater FLUENT control (SUPERIOR)
- V1** – Water heater ON/OFF control (BASIC)
- VF** – Water heater FLUENT control (SUPERIOR)
- VC** – Water heater control with choice of ON/OFF or 0-10V (COMFORT)
- EC** – For EC fans
- S** – SLAVE controls (only for COMFORT, SUPERIOR)
- M** – MASTER controls (only for COMFORT, SUPERIOR)
- AGBA1** - AirGENIO BASIC 1st generation (mechanical)
- AGCO1** - AirGENIO COMFORT 1st generation (touch screen)
- AGSU1** - AirGENIO SUPERIOR 1st generation (touch screen)
- VCST4** – Air curtain STANDESSE / FINESSE



OPTIONAL ACCESSORIES

More details can be found on the relevant page in this catalogue

Thermostatic valve TV-1-1/1
TV-1-1/1



2-way or 3-way valve with servo drive (230V)
ZV2-230-xx,x-xx
ZV3-230-xx,x-xx
(for BASIC and COMFORT control)



3-way valve with servo drive RT
RT-3-07 (K_{vs} 07)
(for BASIC and COMFORT control)



2-way or 3-way valve with servo drive (0-10V)
ZV2-024-xx,x-xx
ZV3-024-xx,x-xx
(for COMFORT and SUPERIOR control)



Room thermostat
TER-P
(for BASIC control)



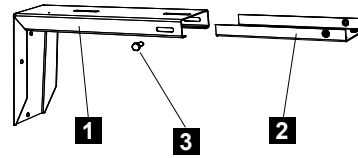
Room temperature sensor for wall installation
CT-ROOM
(for COMFORT and SUPERIOR control)



Wall mounting bracket

Bracket designed for mounting the air curtain to the wall.

- 1 Bracket
- 2 Hanging strip
- 3 Securing screw



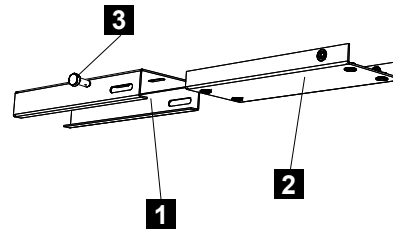
VCS4-KONZ-STE

- for B and C air curtains (2 pcs. in package)
- wall mounting bracket

Ceiling holder

The holder is designed for attaching the air curtain to a ceiling.

- 1 Ceiling bracket
- 2 Hanging strip
- 3 Securing screw



VCS4-KONZ-STR

- for B and C air curtains (2 pcs. in package)
- ceiling holder

Exit sign for marking of emergency exits.

Suitable for all types of air curtains.

VCS4-EXIT



Mechanical industry door switch

DS

Heavy-duty door contact for industry use



Magnetic door contact

Magnetic door contact in metal housing with higher protection against mechanical damage

DK-B-3



2nd Control panel

ND-REMOTE-CONTROL (for control CO, SU)

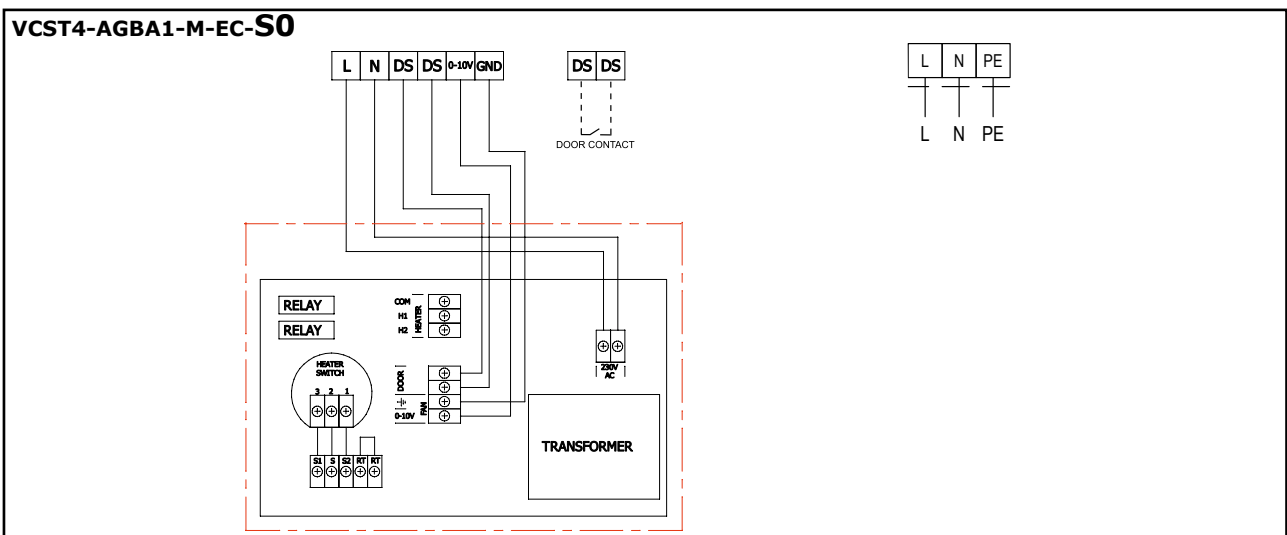
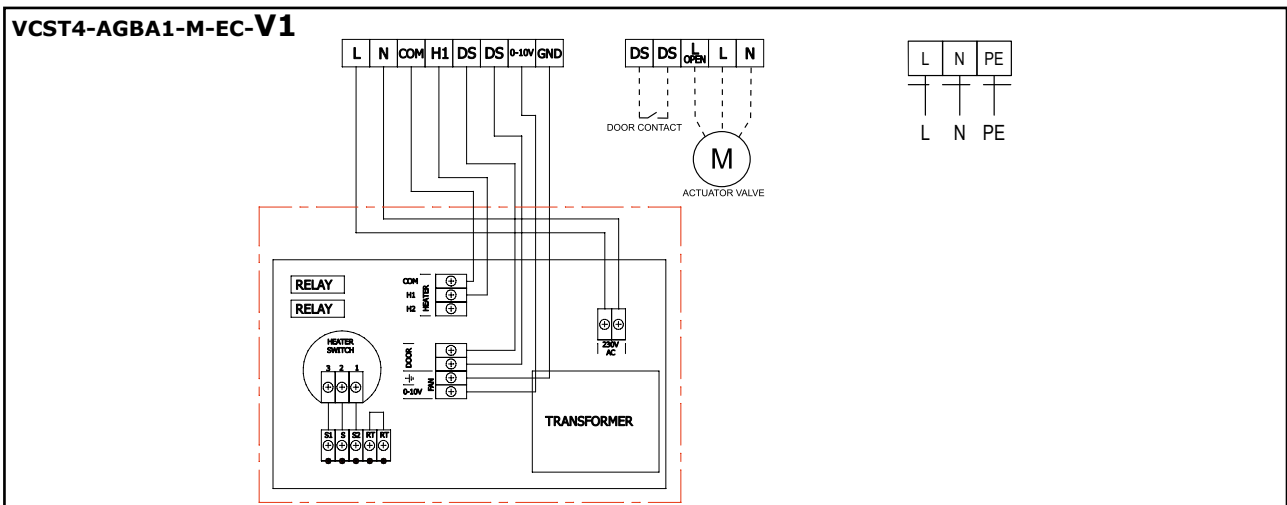
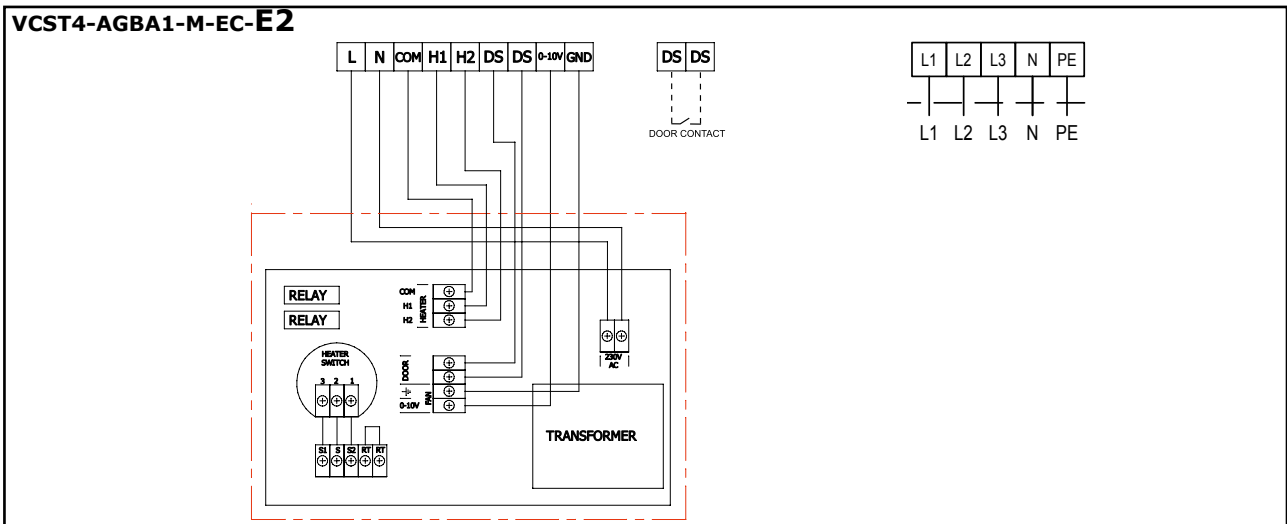




WIRING DIAGRAMS

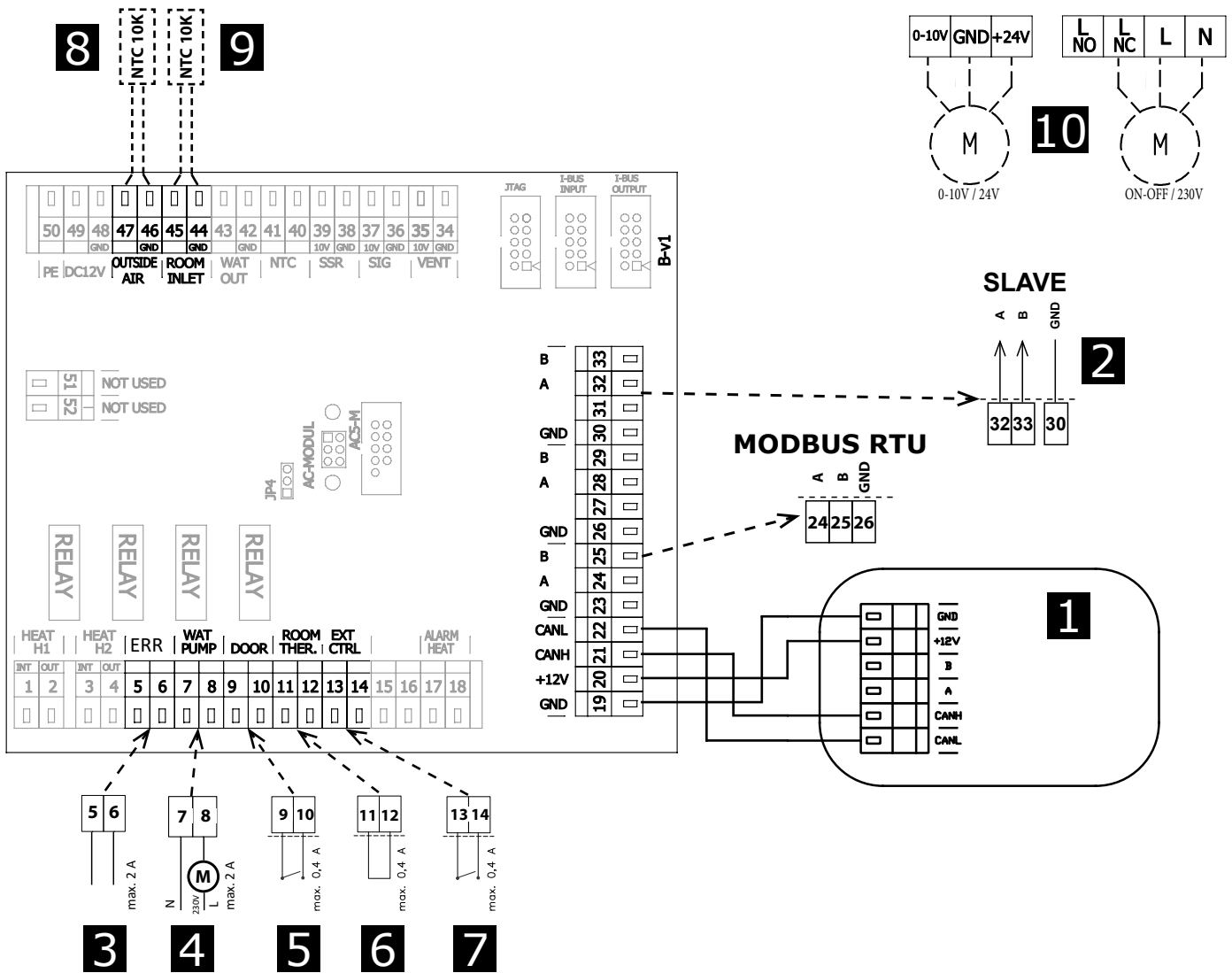
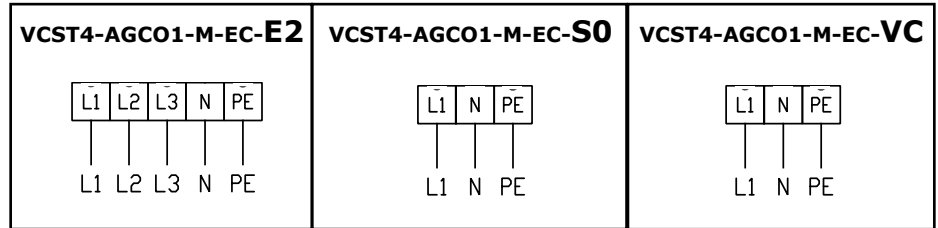
The recommended cross-section of the main power supply cables is stated in the Instruction Manual.
All wiring diagrams provided in the technical catalog are indicative only. When assembling the product, carefully observe the nameplate ratings as well as directions and diagrams affixed directly to the product or enclosed with the product.

AirGENIO BASIC



WIRING DIAGRAMS

AirGENIO COMFORT MASTER



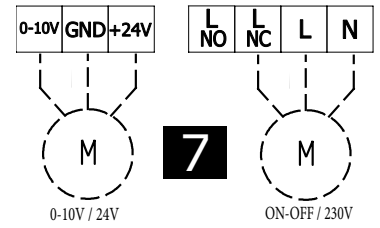
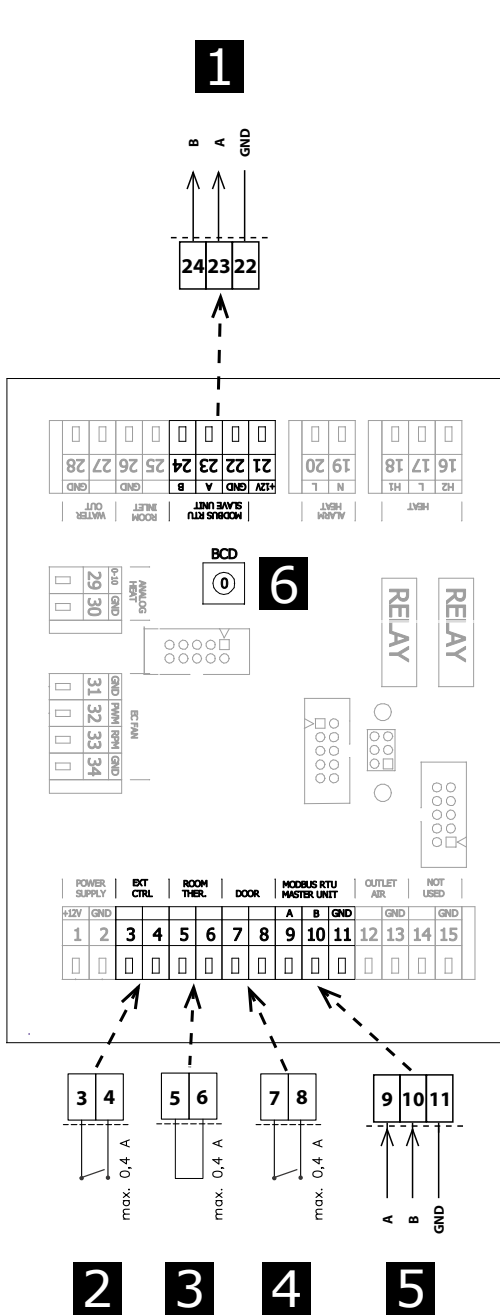
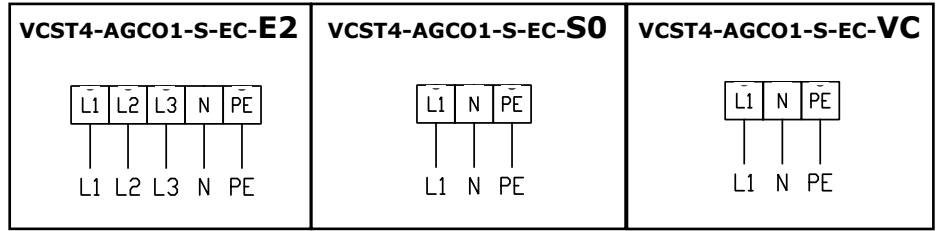
EN	
1	Control panel
2	Signal to SLAVE unit
3	ERROR contact (relay contact, NO/NC)
4	Water pump (relay contact)*
5	DOOR contact (input, NO/NC)
6	Room thermostat (input, NO/NC)
7	External control (input, NO/NC)
8	Outside air temp. sensor (include delivery)
9	Room temp. sensor (include delivery)
10	Water valve control connection (option 1 = ON-OFF, option 2 = 0-10V)*

* Available for VCST4-AGCO1-M-EC-VC only



WIRING DIAGRAMS

AirGENIO COMFORT SLAVE



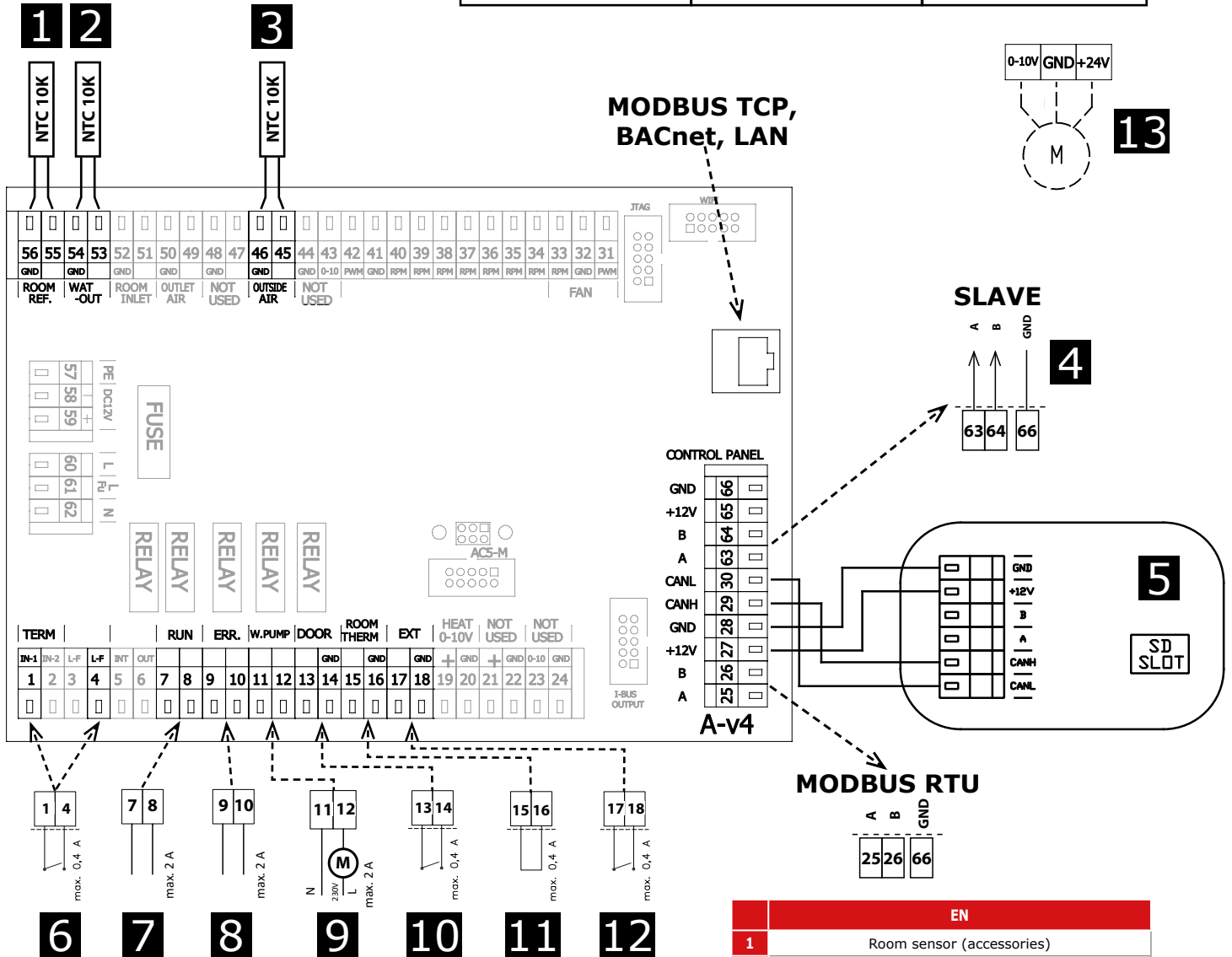
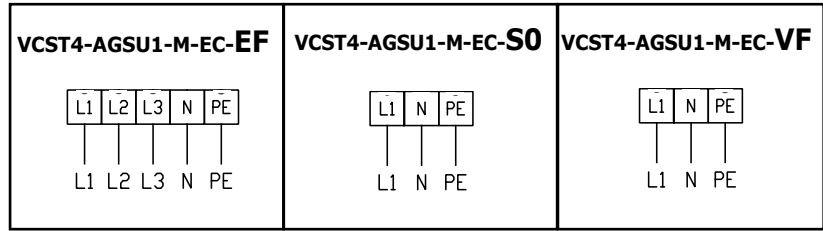
EN	
1	Signal to SLAVE unit
2	External control - ON/OFF
3	Room thermostat (input)
4	DOOR contact (input)
5	Signal from MASTER unit
6	Address of the slave air curtain
7	Water valve control connection (option 1 = ON-OFF, option 2 = 0-10V)*

* Available for VCST4-AGCO1-S-EC-VC only

SLAVE	BCD
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A

WIRING DIAGRAMS

AirGENIO SUPERIOR MASTER



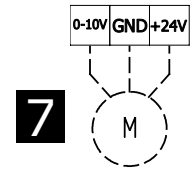
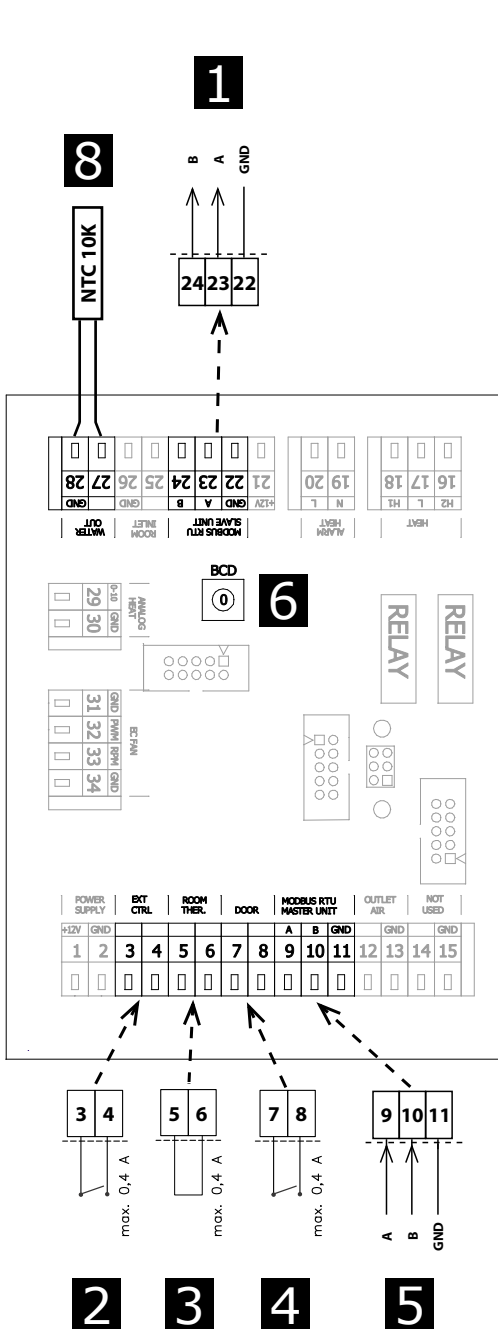
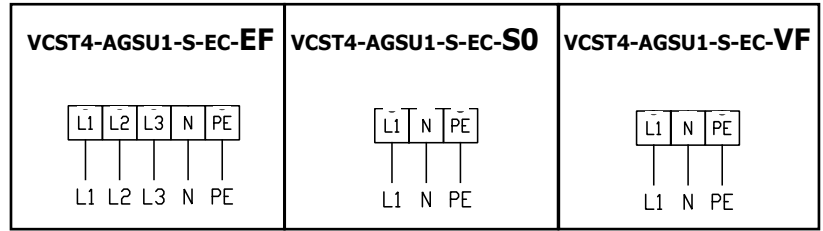
EN	
1	Room sensor (accessories)
2	Water return sensor (included in delivery)
3	Outside air sensor (included in delivery)
4	Signal to SLAVE unit
5	Control panel
6	Antifreeze thermostat (NC)
7	RUN contact (relay contact, NO/NC)
8	ERROR contact (relay contact, NO/NC)
9	Water pump (relay contact)
10	DOOR contact (input, NO/NC)
11	Room thermostat (input, NO/NC)
12	External control (input, NO/NC)
13	Water valve control (0-10V, 24V)*

* Available for VCST4-AGSU1-M-EC-VF only



WIRING DIAGRAMS

AirGENIO SUPERIOR
SLAVE



EN	
1	Signal to SLAVE unit
2	External control - ON/OFF
3	Room thermostat (input)
4	DOOR contact (input)
5	Signal from MASTER unit
6	Address of the slave air curtain
7	Water valve control (0-10 V, 24 V)*
8	Water return sensor (included in delivery)

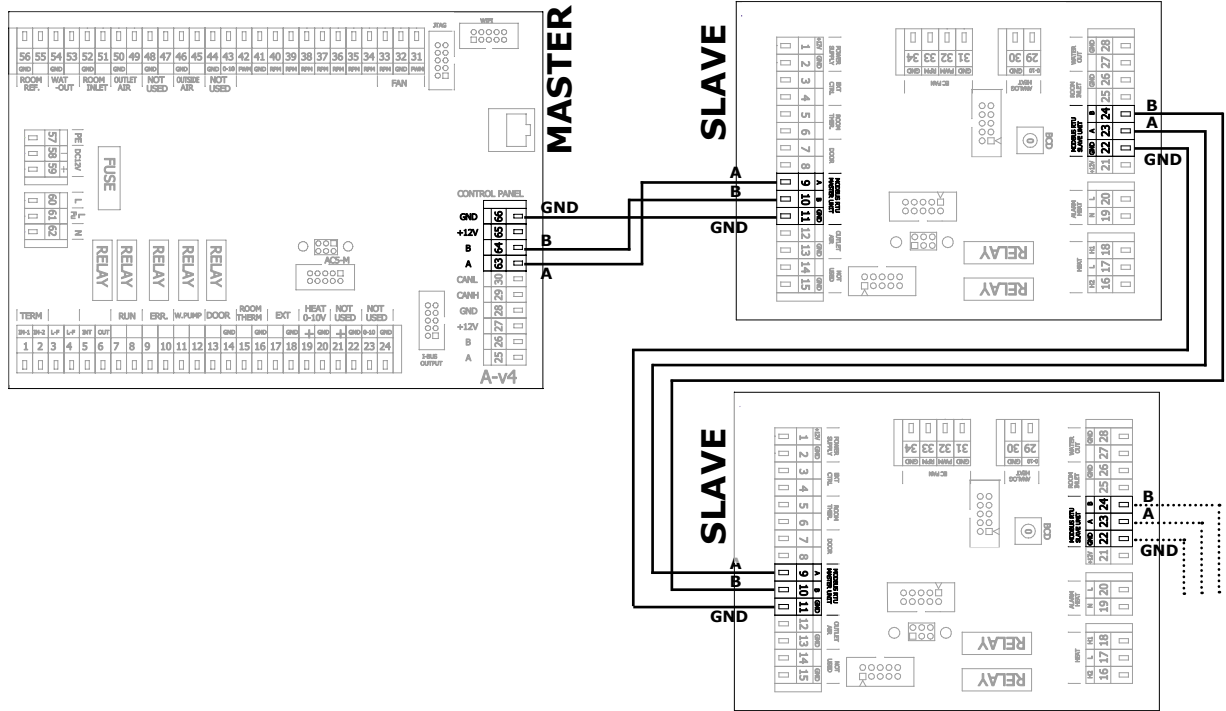
* Available for VCST4-AGSU1-S-EC-VF only

SLAVE	BCD
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A

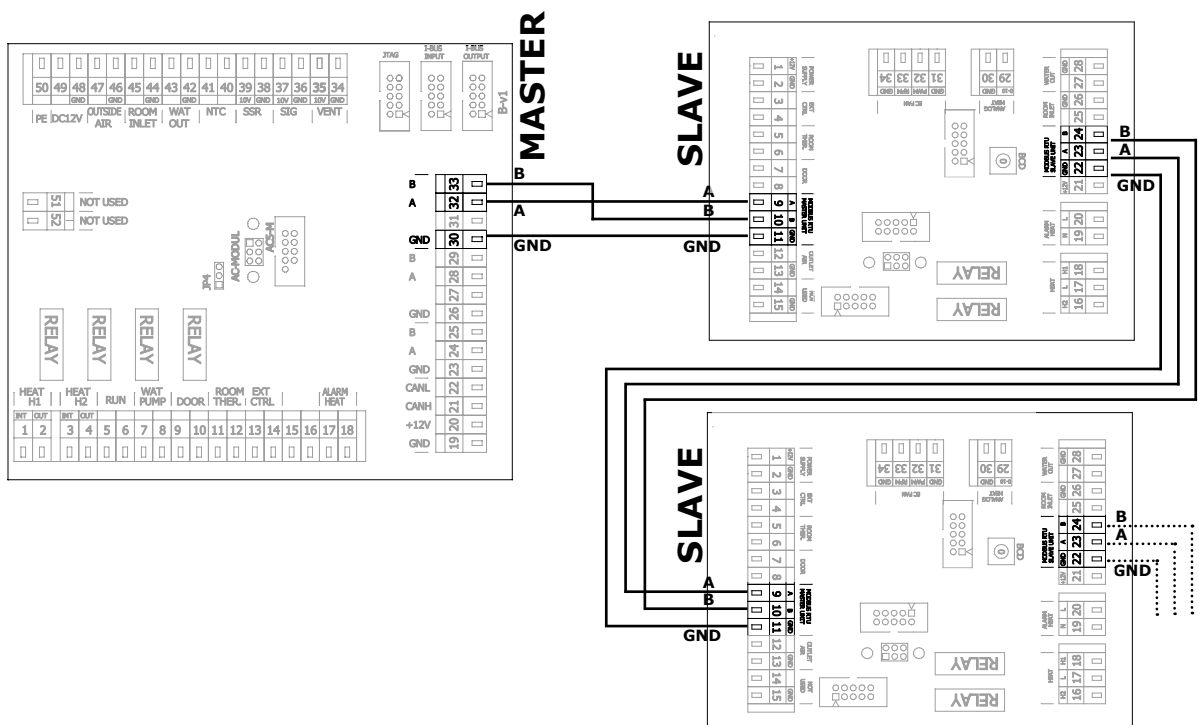


WIRING DIAGRAMS

Chaining



AirGENIO COMFORT





KEY TO CODING

VCST4 B 100 - S0 EC - CR - 0 A0

	A0	2V version
	0	White colour casing RAL 9016 (Standard)
	9	Atyp RAL casing
	CR	Control ready
	EC	EC fans
	S0	Air-only (ambient)
	E1	Electric heater
	V2	2-row water heater
	V3	3-row water heater (available only for VCST4C)
	100	Nominal width 1000 mm
	150	Nominal width 1500 mm
	200	Nominal width 2000 mm
	250	Nominal width 2500 mm
	B	B Output series
	C	C Output series
	VCST4	STANDESSE air curtain (4th generation)