



Price List 2017

Price List 2017 - valid from 01.01.2017

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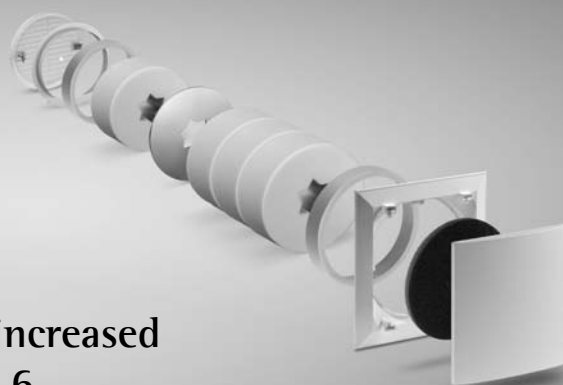
Content	Page
Ne^{xx}t Configuration	4-5
Built-in Devices	4
Housings	4
Wall-tubes and Accessories	5
Inner Screens	5
External Closures	5
Accessories	5
Series 160 Configuration	6-9
Built-in Devices	6
Wall-tubes	7
Inner Screens	7
External Closures and LUNO ^{therm} Accessories	7-8
Control Units	9-10
Touch Air Comfort	9
Universal Control	9
Smart Comfort	10
Bidirectional Radio Technology	10
Control Accessories	10
KNX System Control	10
Silvento Serie Configuration	11-14
Fan Insert and Clamp-in Fan Silvento ec	11
Control Boards Silvento ec	11
Housings	12
Silvento AC	13
Silvento ec and Silvento AC: Accessories, Switches and External Closures	14
Fan Series Silvento: Compatibility	14
ERP Directive: Explanation	14
Terms and Conditions (AGB's)	15

Ne^{xx}t



LUNOS presents the Ne^{xx}t starting on page 4

ALD-S



The new outer wall air vent with increased sound insulation starting on page 6

5/SC-FT

and Accessories



New control technology starting on page 10

Silvento ec

and Accessories



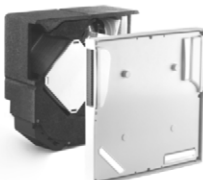




LUNOS Silvento ec technology starting on page 11

Ne^{xx}t







Ne^{xx}t is a decentralised heat recovery which is the quietest unit presently existing in its class.


A complete ventilation unit consists of five components:


1. Built-in device	2. Housing	3. Wall-tube	4. Inner screen	5. External closure
				
e.g. NXT-K	e.g. 3/NXT	e.g. 9/R 160-500	9/NXT-IBF	e.g. 1/HAZ-2


Note: DG = discount group, S = standard discount, A = on request



	Description	Type	Order No.	Price	DG
1. Ne^{xx}t Built-in devices					
	Ne ^{xx} t NXT-G: Domestic ventilation unit with heat recovery incl. counterflow heat exchanger, humidity/temperature sensors, EPP-built-in housing, thermal insulation, two M5 filters, two radial ec-motors	NXT-G 	040 100	999,00	A
	Ne ^{xx} t NXT-K: Domestic ventilation unit with heat recovery incl. crossflow heat exchanger, humidity/temperature sensors, EPP-built-in housing, thermal insulation, two M5 filters, two radial ec-motors	NXT-K 	040 101	799,00	A

2. Ne^{xx}t Housings					
	Ne ^{xx} t Installation housing 3/NXT: Housing for surface or flush mounting incl. two adapters. Surface Mounting Set 3 /NXT-AP is required for the surface-mounted variant, dimensions (h x w x d) 498 x 498 x 175 mm	3/NXT	040 102	129,00	A
	Ne ^{xx} t Surface mounting set 3/NXT-AP: Design cover for the use of the installation housing 3/NXT as a surface-mounted variant	3/NXT-AP	040 103	99,00	A

	Description	Type	Order No.	Price	DG
3. Ne^{xx}t Wall-tubes and accessories					
	Wall-tubes for air ducting, dimensions: (Ø x l) 160 x 500 mm	9/R 160-500	036 765	35,00	S
	Wall-tubes for air ducting, dimensions: (Ø x l) 160 x 700 mm	9/R 160-700	039 891	44,50	S
	Adapter for separated ducts in the 160 wall-tube. Each started 10 cm wall-tube requires one adapter; dimensions: (Ø x l) 152 x 100 mm	2/AD	039 965	14,00	S
	Electric flap closure, 12 V DC	9/KVEN-2	040 095	149,00	A

4. Ne^{xx}t Inner screen					
	Inner screen with function display, filter change indicator and integrated membrane keypad operating unit, dimensions: (h x w x d) 510 x 510 x 45 mm	9/NXT-IBF	040 105	199,00	A

5. Ne^{xx}t External closures					
	Outer hoods				
	Outer hood with sound absorption for two-way ventilation systems, aluminium white powder-coated for fan types e ⁹⁰ and Ne ^{xx} t, dimensions: (h x w x d) 235 x 205 x 72 mm, similar to RAL 9016	1/HWE-2	040 107	140,00	S
	Outer hood with noise protection for two-way ventilation systems, anthracite powder-coated for fan types e ⁹⁰ und Ne ^{xx} t, dimensions: (h x w x d) 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ-2	040 108	140,00	S
	Outer grille for two-way ventilation systems, dimensions: (h x w x d) 217 x 257 x 3mm	1/EGA	040 019	129,00	A

Ne^{xx}t Accessories					
Filter					
	Replacement filter package (2 pcs.), for Ne ^{xx} t, filter class M5, dimensions: (h x w) 175 x 148 mm	9/FNXT-5 2er-P	040 109	29,00	S
	Replacement filter package (2 pcs.), for Ne ^{xx} t, filter class F7, dimensions: (h x w) 175 x 148 mm	9/FNXT-7 2er-P	040 110	34,00	S
	Replacement filter package (2 pcs.), for Ne ^{xx} t, filter class F9, dimensions: (h x w) 175 x 148 mm	9/FNXT-9 2er-P	040 111	39,00	S
Module					
	ec-transceiver: radio module with bidirectional technology for the use of radio sensors and switches	FM-EO	040 083	149,00	A





LUNOS 160 series - Configuration

In the series 160, there are ventilation systems for all areas of application:




Ventilation with heat recovery for residential rooms or function rooms (bath and kitchen), pure exhaust air units or outer wall air outlets for fresh air supply.


The great advantage of the LUNOS series 160 is its high compatibility: Whether refurbishment, new construction or replacement: You can put together exactly the components required for the construction project.

A complete ventilation unit consists of four components*:


1. Built-in device	2. Wall-tube	3. Inner screen	4. External closure
			
e.g. e²neo	e.g. 9/R 160-500	e.g. 9/IBG	e.g. 1/HWE

Note: DG = discount group, S = standard discount, A = on request


	Description	Type	Order No.	Price	DG
1. Built-in devices for the series 160					
	Built-in devices with ec-technology for ventilation and exhaust with heat recovery				
	e²neo: Domestic ventilation unit with heat recovery, incl. ceramic storage element, EPP-foam housing, thermal insulation, G3 filter, 12 V SELV ec-motor, minimum length of wall-tube: 300 mm	e²neo A+	040 086	429,00	A
	e²: Domestic ventilation unit with heat recovery, incl. ceramic storage element, EPP-foam housing, thermal insulation, G3 Filter, 12 V SELV ec-Motor, minimum length of wall-tube: 300 mm	e² A	039 993	400,00	A
	e²short: Domestic ventilation unit with heat recovery, same type as e², but shortened HRV storage element, minimum length of wall-tube: 200 mm	e²short A	040 003	375,00	A
	e⁹⁰: Ventilation unit with heat recovery for function rooms (bath, kitchen, WC) incl. ceramic storage element, thermal insulation, motor housing, two 12 V SELV ec-motors, one adapter 2/AD 160, G3 filter and ego design inner screen, minimum length of wall-tube: 300 mm Additional adapters 2/AD 160 are required for wall-tubes longer than 400 mm. Please note: The e⁹⁰ built-in device can only be used with the inner screen included as standard.	e⁹⁰ A	040 112	443,00	A
	Built-in devices with ec-technology for exhaust				
	AB 30/60: Axial exhaust air unit incl. ec-motor, sound insulation and filter, minimum length of tube: 180 mm, 230 V AC	AB 30/60	039 995	147,00	A
	RA 15-60: Radial exhaust air unit incl. ec-motor, noise absorbers, filters and star-shaped sound absorbers, minimum length of tube: 240 mm, 12 V DC	RA 15-60	039 996	147,00	A
	Built-in devices for ventilation (outer wall air outlet)				
	ALD: Outer wall air vent for fresh air supply incl. three star-shaped sound absorbers, airflow regulator, wind pressure relief with EPS housing and washable long-term filter G2. Minimum length of tube: 240 mm	ALD	039 997	52,50	S
	ALD-S: Outer wall air vent with increased sound insulation incl. four optimised, star-shaped sound absorbers, sound reflector and washable long-term filter G2. Minimum length of tube: 240 mm	ALD-S	041 133	52,50	S






	Description	Type	Order No.	Price	DG
2. Wall-tubes for the series 160					
	Spare parts/accessories				
	Wall-tube for all types of the series 160, dimensions: (Ø x l) 160 x 500 mm (can also be used with LUNOtherm)	9/R 160-500	036 765	35,00	S
	Wall-tube as above, dimensions: (Ø x l) 160 x 700 mm	9/R 160-700	039 891	44,50	S




3. Inner screens for the series 160 (not suitable for e⁹⁰)

	Standard inner screen, dimensions: (h x w x d) 180 x 180 x 35 mm	9/IBE	039 851	46,00	S
	Comfort inner screen, plastic design, dimensions: (h x w x d) 180 x 180 x 35 mm	9/IBK	040 087	89,00	S
	Comfort inner screen, glass design, dimensions: (h x w x d) 180 x 180 x 35 mm	9/IBG	040 088	179,00	S
	Sound absorbing inner screen, incl. washable filters, filter classes G2 and G3, 1 pce. each, dimensions: (h x w x d) 250 x 250 x 78 mm	9/IBS	039 947	159,00	S


4. External closures for the series 160

	External closures, plastic (long screw claws optionally available)				
	Outer grille, white, with claw fixing, insect protection and facade protection ring, Ø = 180 mm	1/WE 180	039 852	16,50	S
	Outer grille, anthracite, with claw fixing, insect protection and facade protection ring, Ø = 180 mm	1/AZ 180	041 143	20,00	S
	Outer grille, sanded, with claw fixing, insect protection and facade protection ring, Ø = 180 mm	1/BE 180	039 917	20,00	S
	Facade protection ring for wall-tubes, white, similar to RAL 9016	1/FSR-WE 180	040 093	4,50	S
	Facade protection ring for wall-tubes, anthracite, similar to RAL 7016	1/FSR-AZ 180	041 140	4,50	S
	External closures, metal				
	Ø = 175 mm, for wall-tubes 125-160 mm, insect protection, stainless steel design, to clip on	1/RME 175	039 909	39,00	S
	Ø = 175 mm, for wall-tubes 125-160 mm, insect protection, copper design, to clip on	1/RMK 175	039 910	39,00	S
	228 x 228 mm, for wall-tubes 160-200 mm, insect protection, stainless steel design, to clip on	1/QME 228	039 911	55,00	S
	228 x 228 mm, for wall-tubes 160-200 mm, insect protection, copper design, to clip on	1/QMK 228	039 912	59,00	S
	Sanded plastic grille for plastering (h x w x d) 180 x 180 x 12 mm				
	180 x 180 x 12 mm, completely sanded for plastering	1	020 001	10,00	S
	Outer hoods, external closures two-way system				
	Outer hood with sound insulation in aluminium, white powder-coated, dimensions: (h x w x d) 235 x 205 x 72 mm, similar to RAL 9016	1/HWE	040 020	135,00	S
	Outer hood with sound insulation in aluminium, anthracite powder-coated, dimensions: (h x w x d) 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ	040 021	135,00	S
	Two-way outer hood with sound insulation in aluminium, white powder-coated for fan types e ⁹⁰ and Ne ^{xt} , dimensions: (h x w x d) 235 x 205 x 72 mm, similar to RAL 9016	1/HWE-2	040 107	140,00	S
	Two-way outer hood with sound insulation in aluminium, anthracite powder-coated for fan types e ⁹⁰ and Ne ^{xt} , dimensions: (h x w x d) 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ-2	040 108	140,00	S
	Two-way outer screen in plastic for fan types e ⁹⁰ and Ne ^{xt} , dimensions (h x w x d) 217 x 257 x 63 mm	1/EGA	040 019	129,00	A

	Description	Type	Order No.	Price	DG
4. External closure LUNOthem for the series 160 (not suitable for e^{go} & Ne^{xt}) Installation below the window on request					
Installation next to or above the window	LUNOthem A for non-flammable facades (mineral), <u>without</u> insect protection grille. Insulation thickness of more than 240 mm in steps of 20 mm on request. Basic dimensions (h x w) 980 x 490 mm				
	LUNOthem A for an insulation thickness of 60 mm, depth: 60 mm	A 60	038 245	99,50	L
	LUNOthem A for an insulation thickness of 80 mm, depth: 80 mm	A 80	038 253	102,50	L
	LUNOthem A for an insulation thickness of 100 mm, depth: 100 mm	A 100	038 172	105,00	L
	LUNOthem A for an insulation thickness of 120 mm, depth: 120 mm	A 120	038 199	115,00	L
	LUNOthem A for an insulation thickness of 140 mm, depth: 140 mm	A 140	038 202	126,50	L
	LUNOthem A for an insulation thickness of 160 mm, depth: 160 mm	A 160	038 334	140,00	L
	LUNOthem A for an insulation thickness of 180 mm, depth: 180 mm	A 180	038 814	154,00	L
	LUNOthem A for an insulation thickness of 200 mm, depth: 200 mm	A 200	038 849	168,50	L
	LUNOthem A for an insulation thickness of 220 mm, depth: 220 mm	A 220	039 764	186,00	L
	LUNOthem A for an insulation thickness of 240 mm, depth: 240 mm	A 240	039 772	204,00	L
Installation next to or above the window	LUNOthem B for facades of low flammability (EPS-polystyrene), <u>without</u> insect protection grille. Insulation thickness of more than 240 mm in steps of 20 mm on request. Basic dimensions (h x w) 1.000 x 500 mm				
	LUNOthem B for an insulation thickness of 60 mm, depth: 60 mm	B 60	038 261	127,50	L
	LUNOthem B for an insulation thickness of 80 mm, depth: 80 mm	B 80	038 288	132,00	L
	LUNOthem B for an insulation thickness of 100 mm, depth: 100 mm	B 100	038 180	136,00	L
	LUNOthem B for an insulation thickness of 120 mm, depth: 120 mm	B 120	038 210	149,50	L
	LUNOthem B for an insulation thickness of 140 mm, depth: 140 mm	B 140	038 229	165,50	L
	LUNOthem B for an insulation thickness of 160 mm, depth: 160 mm	B 160	038 342	181,00	L
	LUNOthem B for an insulation thickness of 180 mm, depth: 180 mm	B 180	038 938	199,00	L
	LUNOthem B for an insulation thickness of 200 mm, depth: 200 mm	B 200	038 873	218,50	L
	LUNOthem B for an insulation thickness of 220 mm, depth: 220 mm	B 220	039 780	240,50	L
	LUNOthem B for an insulation thickness of 240 mm, depth: 240 mm	B 240	039 899	260,50	L
Insect grille LUNOthem, (h x w) 670 x 30 mm					
	In aluminum, white, powder-coated, similar to RAL 9016	1/IL WE	041 137	15,00	L
	In aluminum, anthracite, powder-coated, similar to RAL 7016	1/IL AZ	041 138	15,00	L
Accessories for the series 160					
Wall installation housing for the 160er wall-tubes					
	Wall installation housing with 3% slope made of EPS, can be shortened	9/MRD	041 139	32,00	S
Filter					
	Replacement filter package (5 pcs.), for ALD and ALD-S, filter class G2, dimensions: (Ø) 140 mm	9/FIB-2 5er-P	037 192	10,00	S
	Replacement filter package (3 pcs.), for ALD and ALD-S, filter class G2, dimensions: (Ø) 140 mm, washable	9/FIB-2R 3er-P	037 205	15,50	S
	Replacement filter package (3 pcs.), for AB 30/60 and RA 15-60, filter class G3, dimensions: (Ø) 140 mm, washable	9/FIB-3R 3er-P	037 214	17,00	S
	Pollen filter package (3 pcs) for ALD and ALD-S and e^2 , (Ø) 140 mm	9/FIB-P 3er-P	039 004	20,50	S
	Replacement filter package (4 pcs.), for e^{go} , filter class G3, dimensions: (w x h) 70 x 140 mm, washable	9/FEGO-3R 4er-P	039 998	12,50	S
	Pollen filter package (4 pcs) for e^{go} , dimensions: (w x h) 70 x 140 mm	9/FEGO-P 4er-P	039 982	16,50	S
	Replacement filter package (3 pcs) for sound protection screen 9/IBS, filter class G2, dimensions: (Ø) 140 mm, washable	9/FIB-2RL 3er-P	039 983	15,50	S
	Replacement filter package (3 pcs) for sound protection screen 9/IBS, filter class G3, dimensions: (Ø) 140 mm, washable	9/FIB-3RL 3er-P	039 984	17,00	S
	Pollen filter package (3 pcs) for sound protection screen 9/IBS, dimensions: (Ø) 140 mm	9/FIB-PL 3er-P	039 985	20,50	S
















	Description	Type	Order-No.	Price	DG
Accessories for the 160 series					
Wind pressure relief					
	Wind pressure relief for e ²	9/WDSE	039 860	25,50	S
	Non-return valve for RA 15-60 and AB 30/60	9/WDS ABL	039 970	14,50	S
	Wind pressure relief for ALD, dimensions: (Ø x l) 152 x 114 mm	9/WDS	037 230	26,00	S
Sound insulation					
	Sound insulation set for e ² to enhance the exterior sound absorption	9/SW	039 850	12,00	S
	Star-shaped sound absorbers for ALD und RA 15-60. Length: 69 mm	9/SD-S	039 919	5,50	S
	Optimised, star-shaped sound absorbers for ALD-S. Length: 69 mm	9/SD-SK	041 134	5,50	S
	Sound reflector for ALD-S	9/SR	041 136	29,00	S
Accessories e⁹⁰ and sealing assembly adhesives					
	Replacement inner screen for fan typ e ⁹⁰ , dimensions: (h x w x d) 217 x 237 x 63 mm	2/EGI	040 018	129,00	A
	Adapter for separate channels in 160er wall-tubes. For e ⁹⁰ with wall-tube lengths of more than 500 mm, dimensions: (Ø x l) 152 x 100 mm	2/AD	039 965	14,00	S
	Assembly adhesive (310 ml) for bonding and sealing of the 160 wall-tube in the outer wall, sufficient for ca. 20 wall-tubes	Assembly adhesive	038 733	19,00	S

Control Units

	Description	Type	Order No.	Price	DG
Control Units					
	Touch Air Comfort				
	Touch Air Comfort: Control for Ne ^{xt} , e ² , e ⁹⁰ , RA 15-60 and Silvento-FK with time functions, integrated humidity / temperature sensor, touch function and filter change indicator, incl. electronics box for the installation in cavity wall constructions and solid walls. Dimensions UP-box: (l x w x d) 143 x 70 x 75 mm	TAC	039 946	469,00	A
	CO ₂ -Sensor for TAC control	SCO ₂ -TAC	040 000	199,00	A
	Additional module for TAC control to connect the Silvento types V 30/60, KL 30/60 and the axial fan AB 30/60	5/ACM	039 990	49,00	A
	Universal control				
	Universal control 5/UNI-FT for e ² , e ⁹⁰ and RA15/60, equipped with humidity / temperature sensor and delay timer, in combination with TAC, switch 5/W2U or sensing device 5/WT, 5/W2T	5/UNI-FT	040 089	69,00	A
	Switch for universal control, to control up to three ventilation stages and/or to activate or deactivate summer ventilation, suitable for e ² , e ⁹⁰ and RA 15-60	5/W2U	039 972	29,00	A
	One-rocker switch for temporary changes of the airflow levels of a fan (in connection with the TAC control)	5/WT	040 010	21,00	A
	Two-rocker switch for temporary increases or decreases of the airflow levels of a fan (in connection with the TAC control)	5/W2T	040 011	29,00	A

Control Units


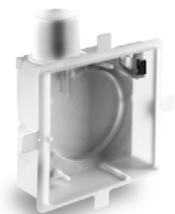
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	Description	Type	Order No.	Price	DG
Control Units					
              	Smart Comfort				
	Control for e ² , e ⁹⁰ and RA15-60 incl. control unit. Power supply required, see "Control Accessories"	5/SC-FT	040 113	149,00	A
	EnOcean Radio Technology				
	External humidity / temperature radio sensor with solar power supply universal control 5/UNI-FT, with bidirectional radio technology	SFT-EO	040 090	189,00	A
	Radio module for universal control 5/UNI-FT with bidirectional radio technology for the integration of radio sensors or radio switches	UNI-EO	040 091	149,00	A
	Remote control for ventilation systems with bidirectional radio technology to control the ventilation stages or switch the lighting	RC-EO	041 141	149,00	A
	Flush-mounted module for cable-based transmission of bidirectional radio control signals to 230 V fan or lighting	UPM-EO	041 142	149,00	A
	Control Accessories				
	Power supply unit for universal control, 18 W for installation in flush-mounted switchbox, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT18	039 973	39,00	A
	Power supply unit for universal control, 60 W for installation on the top-hat rail, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT60	039 974	39,00	A
	Power supply unit for universal control, 100 W for installation on the top-hat rail, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT100	040 096	69,00	A
	Top-hat rail clip for universal control and 5/ACM	top-hat rail-clip	040 001	6,50	A
	KNX System control				
	Touch Display for activation of the KNX Control4, visualisation of the sensor system and adjustment of the ventilation programs. All KNX systems can be integrated.	KNX Display	039 976	599,00	A
	KNX Controller to integrate e ² , e ⁹⁰ und RA 15-60	KNX Control4	039 977	259,00	A
	KNX Klima Sensor CO ₂ -TF, temperature / humidity / and CO ₂ sensor	KNX Sensor	039 978	389,00	A
	KNX power supply unit SNT DIN top-hat rail 30 W 24 V/1,5 A	KNX Power Supply	039 989	79,00	A
	KNX throttle ABB DR/S4.1	KNX Throttle	039 987	144,00	A
	KNX USB Interface, to program the KNX Bus	KNX USB Interface	039 988	370,00	A



Silvento Series






A complete ventilation unit consists of the following components:

1. Built-in ventilator unit or clamp-in fan	2. Control board	3. Housing (not required with clamp-in fan)
 <p>e.g. V-EC & KL-EC</p>	 <p>e.g. 5/EC-FK & 5/FM</p>	 <p>e.g. 3/UP-R</p>

1. Ventilation series Silvento ec: Ventilator insert and clamp-in fan




	Description	Type	Order No.	Price	DG
Ventilator insert Silvento ec					
	Silvento ec-V: For installation in all flush- and surface-mounted housings, incl. design screen and filter. Functionality is achieved with additional control board. Can be combined with any available control module.	V-EC	040 078	207,00	S
Clamp-in fan Silvento ec					
	Silvento ec-KL: To be installed in drywalls or ceilings, cut-out (w x h) 210 x 230 mm, incl. design screen and filter. Suitable as replacement for ventilator inserts of the series Skalar. Functionality is achieved with additional control board. Can be combined with any available control module.	KL-EC	040 079	217,00	S

2. Ventilation series Silvento ec: Control boards

Control boards, necessary to operate ventilator inserts and clamp-in fans					
	Basic board with step switch, delay time und interval switch, airflow levels: 0/15/30/45/60 m³/h	5/EC-ZI	040 080	47,50	S
	Comfort boards: Basic board + humidity/temperature sensor, stepless control when operating with humidity 0-60 m³/h, Basic ventilation level selectable 0/15/30 m³/h	5/EC-FK	040 081	172,50	S
Additional module for added functions (only one slot available)					
	ec-BM: radar-based motion detector	5/BM	040 082	109,00	S
	ec-Transceiver: Radio module with bidirectional radio technology for the integration of radio sensors or radio switches	FM-EO	040 083	149,00	A


3. Ventilation series Silvento ec, Silvento: Housing for ventilator insert Type „V“

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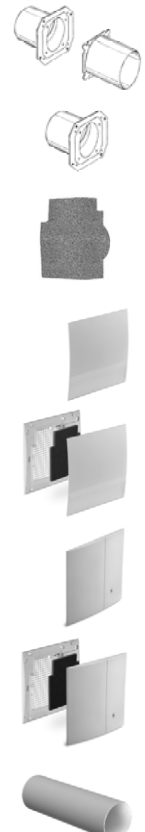

	Description	Type	Order-No.	Price	DG
Surface-mounted housing Silvento for one-room ventilation dimensions (h x w x d) 269 x 269 x 109,5 mm					
	Surface-mounted housing for installation in walls and ceilings, with rear air vent DN 80 and leakage-airtight back drafter shutter	3/AP	039 144	53,00	S
	Surface-mounted housing for installation in walls, with rear air vent DN 80, leakage airtight back drafter shutter and metallic shutoff device according fire-resistance class K90-18017-3	3/AP-B	039 152	140,00	S
Flush-mounted housing Silvento or one-room ventilation					
	Flush-mounted housing for installation in walls and ceilings, with lateral air vent DN 80 and leakage-airtight back draft shutter, dimensions (h x w x d): 262 x 262 x 90,6 mm, incl. mounting bracket	3/UP-R	039 128	55,00	S
	Flush-mounted housing for installation in walls, with lateral air vent DN 80, leakage-airtight back draft shutter and metallic shutoff device K90-18017-3, dimensions (h x w x d): 270 x 270 x 102,5 mm, incl. mounting bracket	3/UP-BR	039 160	158,00	S
	Flush-mounted housing for installation in walls and ceilings, with rear air vent DN 80 and leakage-airtight back draft shutter, dimensions (h x w x d): 262 x 262 x 90,6 mm, incl. mounting bracket	3/UP-A	039 136	55,00	S
	Flush-mounted housing for installation in walls, with rear air vent DN 80 and leakage-airtight back draft shutter and metallic shutoff device K90-18017-3, dimensions (h x w x d): 270 x 270 x 102,5 mm, incl. mounting bracket	3/UP-BA	039 179	158,00	S
	Flush-mounted housing for installation in outer walls, with rear air vent DN 80, wall installation housing with connection cable and leakage-airtight back draft shutter, dimensions (h x w x d): 270 x 270 x 107 mm	3/UP-AS10,7	039 832	98,00	A
	Flush-mounted housing for installation in walls, with rear air vent DN 80, connecting tube (Ø x L) 98 x 300 mm, Wall installation housing with connection cable and leakage-airtight back draft shutter, dimensions (h x w x d): 270 x 270 x 175 mm	3/UP-AS17,5	039 842	116,00	A
	Styrofoam adapter for 3/UP-AS, dimensions: (h x w x d): 270 x 270 x 53 mm		039 841	9,00	A
Flush-mounted housing Silvento for two-room ventilation					
	The flush-mounted housings 3/UP-R and 3/UP-A can easily be modified with a two-room set				
	Two-room set for the above one-room flush-mounted housing with air vent, foil and second-room screen 2/ZSKA incl. mounting bracket	3/S2	039 209	31,00	S
	Two-room fire-protection housing for installation in walls, with lateral air vent DN 80, leakage-airtight backdraft shutter and metallic shutoff device K90-18017-3, dimensions: (h x w x d) 270 x 270 x 102,5 mm, incl. mounting bracket	3/UP-2BR	039 187	184,00	S
	Two-room fire-protection housing for installation in walls, with rear air vent DN 80, leakage-airtight backdraft shutter and metallic shutoff device K90-18017-3, dimensions: (h x w x d) 270 x 270 x 102,5 mm, incl. mounting bracket	3/UP-2BA	039 195	184,00	S
	Fire protection set to connect the second-room screen 2/ZSKA with two-room ventilation systems: with second-room screen 2/ZSKA, fire protection nozzle and airflow regulator.	8/B2	039 543	100,00	S

Ventilation series Silvento with AC-technology



Note: DG = discount group, S = standard discount, A = on request

	Description	Type	Order-No.	Price	DG
Ventilator insert and clamp-in fan in proven AC-technology					
	Ventilator insert Silvento with decor screen for installation in flush–or surface-mounted housings, suitable for one-room or two-room systems, incl. filter change indicator, airflow level 30/60 m³/h	V 30/60 F	039 217	204,00	S
	Clamp-in fan Silvento for installation in drywalls and ceilings, cutout (w x h) 210 x 230 mm or replacement of ventilator inserts of the type series Skalar, airflow level 30/60 m³/h	KL 30/60 F	039 357	212,00	S

Ventilation series Silvento ec and Silvento AC: Accessories and switches

Accessories for the ventilation series Silvento					
	Fire protection				
	Fire protection–shutoff device with nozzle for fan installation outside the fireproof shaft (shutoff device to be installed on the shaft wall)	8/BS	039 535	97,00	S
	Fire protection–shutoff device for surface-mounted housing 3/AP, included in the 3/AP-B scope of delivery	8/BA	039 527	83,00	S
	Regenerable replacement filters				
	for fan type Silvento, dimensions: (h x w) 191 x 166 mm	2/FSI-R 3er-P	039 721	18,50	S
	Design screens Silvento ec, dimensions: (h x w x d) 260 x 260 x 23 mm				
	Inner cover for all types	2/SI-EC	040 084	24,50	S
	Design screen complete with filter and filter monitoring for all types	2/S-EC	040 085	40,00	S
	Design screens Silvento, dimensions: (h x w x d) 260 x 260 x 23 mm				
	Inner cover for all types except Silvento ventilators with motion detector	2/SI	039 927	24,50	S
	Design screen complete with filter and filter monitoring for all types exceptions see below	2/S	039 551	40,00	S
	As above, but for Silvento ventilators with motion detector	2/SB	039 578	107,00	S
	Wall duct for using the Silvento with 3/AP and 3/UP-AS housing as outer wall fan, Ø 98 mm				
	Length 300 mm without plaster frame	9/J 30	039 845	9,00	S
Switches					
	ON/OFF, double-pole, white	5/W	036 641	21,50	S
	ON/OFF, two-stage, white	5/W2	036 986	26,00	S
	Switch for humidity control, ventilation series Silvento ec, white	5/W2FK	039 840	31,00	S
	Programmable delay timer 6/15 min. incl. Selectable interval switch every 4 hours with 30 min. runtime, inverse control and switch-on delay 0/120 sec. for installation in switch boxes, dimensions: (h x w x d) 49 x 35 x 10 mm	5/ZII	039 857	46,00	S

External closures

	Description	Type	Order-No.	Price	DG
External closures, plastic					
	Outer grille, completely sanded for plastering Bonding with gauze for the above grille, 110 x 110 mm,	1/J	020 141 038 695	6,00 2,00	S -
	Outer grille for inside diameter 90-100 mm, insect protection, white, for screw mounting, Ø = 115 mm	1/WE 115	039 951	12,00	S
	As above, anthracite	1/AZ 115	039 952	12,00	S
	As above, sanded	1/BE 115	039 953	14,50	S
External closures, metal					
	Outer grille for wall-tubes 80-125 mm, insect protection, stainless steel design to plug in, Ø = 150 mm,	1/RME 150	039 907	31,00	S
	Outer grille for wall-tubes 80-125 mm, insect protection, copper design to plug in, Ø = 150 mm,	1/RMK 150	039 908	28,00	S

5. Ventilation series Silvento: Replacement of the ventilation series Skalar and Saphir

When replacing the surface-mounted ventilation devices, please select an appropriate new housing and ventilator insert, see also the below overview table. However, the flush-mounted housings of the type series Skalar need not be replaced. The new clamp-in fan Silvento ec or Silvento fits in the housings 3/LS and 3/LB and the wall cutout of the Skalar.

Ventilator old	Silvento housing	Silvento insert	Silvento ec insert clamp-in fan	Silvento ec control module
Saphir-60	3/AP	V 30/60	V-EC	5/EC-ZI
Saphir-60 ZI	3/AP	V 60ZII *	V-EC	5/EC-ZI
Saphir-60 LZI	3/AP	V 60BZII *	V-EC	5/EC-ZI + 5/BM
Saphir-F	3/AP	V 30-60FK *	V-EC	5/EC-FK
Skalar-G	-	KL 30/60	KL-EC	5/EC-ZI
Skalar-VG	Fits in existing housing	KL 30/60	KL-EC	5/EC-ZI
Skalar-ZI	-	KL 60ZII *	KL-EC	5/EC-ZI
Skalar-VZI	Fits in existing housing	KL 60ZII *	KL-EC	5/EC-ZI
Skalar-F	-	KL 30-60FK *	KL-EC	5/EC-FK
Skalar-VF	Fits in existing housing	KL 30-60FK *	KL-EC	5/EC-FK

* replaced by Silvento ec

ERP Directive: Explanation

The specification of energy efficiency classes according to the EU-Directive No. 1254/2014 indicates the energy saving potential calculated for diverse ventilation units.

The energy efficiency class is marked by a black arrow indicating the SEV class (= class of the specific energy consumption). For more information, please visit www.lunos.de.

Classification as of 1 January 2016

Classes of the specific energy consumption (SEV) for domestic ventilation systems, calculated for an average climate:

SEV Class	SEV in kWh/a.m ²
A+ (highest efficiency)	SEV < -42
A	-42 ≤ SEV < -34
B	-34 ≤ SEV < -26
C	-26 ≤ SEV < -23
D	-23 ≤ SEV < -20
E	-20 ≤ SEV < -10
F	-10 ≤ SEV < 0
G (lowest efficiency)	0 ≤ SEV

Terms and Conditions

All services and statements of LUNOS Lüftungstechnik GmbH für Raumluftsysteme, hereinafter referred to as "User", are based upon the following terms and conditions.

The inclusion of contradictory or supplementary clauses is objected to. An inclusion of deviating terms and conditions of the buyer, hereinafter referred to as "Orderer", requires the prior written consent of the User and shall always refer to the individual business transaction.

Quotations

Specific quotations customised to the Orderer's requirements shall be binding on the User for a period of one month after submission of quotation. In this respect, an order confirmation shall not be required.

All other details concerning the User's products as shown in catalogues, brochures, written advertising, diagrams, drawings, etc. shall only be binding to the extent that they are explicitly confirmed in writing in the individual case. The right is reserved to make changes to the construction as well as colour, shape and design of the products.

Prices

All prices are stated as net prices without value added tax. The VAT at the current statutory rate shall be added to the prices.

The prices valid on the day of submission of quotation shall be applicable for all business transactions.

Price changes occurring after conclusion of a contract due to cost increases in particular of raw materials, wages, freight charges, customs duties and taxes shall entitle the User to withdraw from the contract, or – in the case of delivery deadlines of more than 4 months – to increase the prices. The prices are deemed ex works Berlin.

Packaging, freight and shipment costs, transport insurances and other due secondary costs shall be charged separately by the User and are to be borne by the Orderer.

Delivery time

As a rule, the delivery time depends on the delivery date which the User shall confirm in writing. If no such delivery date is confirmed, delivery shall be carried out ex warehouse within up to 4 weeks after conclusion of the contract, and thus after receipt of the Orderer's declaration of acceptance.

Default in delivery shall only be deemed to exist if the Orderer has unsuccessfully granted the User an extension of at least 14 days after expiry of the delivery time, and if the User is responsible for the delay in delivery.

The assertion of claims for damages due to a delay in delivery shall be excluded unless the non-compliance with the delivery time is attributable to intent or gross negligence on the part of the User.

Compliance with the agreed delivery deadline is conditional upon the timely receipt of all documents which are to be submitted by the Orderer, the timely clarification of all preliminary questions in connection with the delivery as well as the compliance with the agreed terms of payment and other obligations by the Orderer.

Force majeure, insurrection, strikes, lockouts, shortage of raw materials and power cuts both in the User's business and in third party plants the production depends on shall release the User from the obligation of complying with deadlines firmly agreed upon for delivery.

The User shall then, in the individual case, be entitled to cancel the contract in full or in part.

Deliveries before expiry of the delivery deadline and partial deliveries shall be permissible.

Warranty

Obvious defects as well as any kind of wrong delivery shall be asserted in writing by the Orderer immediately after receipt of the goods, in any case before processing, use or resale.

If the Orderer should fail to satisfy this responsibility the goods shall be deemed as accepted as agreed upon.

In case of non-obvious defects the start of the deadline for the immediate report of defects shall be the date when the Orderer had the possibility of receiving knowledge of the defect. After expiry of one year the report of non-obvious defects shall be excluded.

The warranty rights shall become time-barred within two years after delivery of the goods.

The assertion of a claim against a possible guarantee granted in an individual case is conditional upon the User's instructions regarding the necessary servicing and regular filter changes being complied with in accordance with the admission. In this respect, the Orderer shall bear the burden of proof.

Warranty claims of the Orderer shall be limited to the rights of subsequent improvement or substitute delivery whereby the faulty objects of purchase shall be subsequently repaired or replaced as the User sees fit.

Only after subsequent repair has finally failed and substitute delivery proved impossible shall the Orderer be entitled to withdraw from the purchase contract or to reduce the purchase price as it sees fit.

If the Orderer concerned is an entrepreneur, it shall bear the costs for installation and dismounting in the case of subsequent repair or replacement.

Reservation of title

All deliveries and services shall remain the User's property until full and final payment of all claims.

In case the Orderer behaves in violation of the contract, particularly in the case of unsatisfactory information concerning the Orderer's solvency and/or net assets, pending cessation of payment, default and in the case of objections to bills of exchange or cheques, the User shall be entitled to demand that the reserved goods be returned.

The goods demanded back shall then be sold freehand on the open market for the best possible price and after deduction of the costs credited to the Orderer's obligation.

The Orderer shall be entitled to resell the goods delivered by the User in the proper course of business, however, not to pledge or assign them as security; already with conclusion of the contract, the Orderer assigns to the User all claims in the amount of the final invoice, to which the Orderer is entitled from the resale against its buyers or third parties irrespective of whether the goods delivered by the User were resold without or after processing. The Orderer shall remain authorized to collect this claim also after the assignment. The User's entitlement to collect the claim itself remains unaffected. The User undertakes not to collect the claim as long as the Orderer satisfies its payment obligations from the collected proceeds, is not in default and in particular no application has been filed for the opening of bankruptcy or insolvency proceedings or payments have been suspended. If this is the case the User can demand that the Orderer provides information on the assigned claims and their debtors and all details necessary for collection, hands over the related documents and informs the debtor of the assignment.

If the delivery should be inseparably mixed with other objects not belonging to the User, then the User shall acquire the co-ownership to the new object in the ratio of the value of the purchased object to the other mixed objects at the time of the mixing.

The Orderer assigns the claim from a resale or further processing of the reserved goods to the User, inasmuch as the goods have been processed.

Payment

Subject to written agreements to the contrary, the invoice amount shall be due and payable immediately after receipt of the delivery.

Incoming payments shall always be offset against the oldest claim in the order costs, interest and principal claim.

If the Orderer should be in default with a payment, then all of its payment obligations from this business relationship – including those for which a bill of exchange was submitted – shall be due for immediate settlement, unless the Orderer is not responsible for the default of payment. The User shall further be entitled to withdraw from contracts, which have not yet been fulfilled on its part, after the unsuccessful expiry of a final deadline of 14 days set for the payment as well as a threat of withdrawal, and to invoice the Orderer the expenses incurred up to this date.

The Orderer shall owe the User interest in default, in any case in the statutory amount, whereby the proof of higher damage through the drawing of a loan, which may be necessary in the individual case, remains unaffected.

Liability

The User's liability for own or third party fault of its vicarious agents and employees shall be excluded unless the Orderer has suffered harm to life, body and health caused by the breach of duty.

The liability for other damage, in particular consequential damage such as loss of production and missed profits shall be excluded if the User or its vicarious agents and employees are accused of simple negligence,

Data processing

The Orderer agrees that the User stores personal data in connection with the business relationship and a separate notification will not be given in this respect.

Assignment

The Orderer's claims from this business relationship with the User must not be assigned to third parties.

Place of performance / Place of jurisdiction

The place of performance shall be the User's registered office in Berlin.

Provided that the Orderer is a merchant, the court of last instance for all disputes in connection with the purchase contract concluded between the parties shall exclusively be the court at the place of the User's registered office, notably Amtsgericht Spandau (Spandau County Court) or Landgericht Berlin (Berlin Regional Court).

Validity

If individual provisions of these Terms and Conditions should be invalid, this shall have no effect on the validity of the other provisions. Such invalid provisions shall be replaced by the presumed intent of the parties, and if it should not be possible to determine this intent, the statutory regulations.



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