

Pricelist 2024

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LUNOS wireless, Smart Home •)) and accessories

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Nexxt and accessories



Ventilation unit with enthalpy heat exchanger from page 10

Silvento ec and accessories



Silvento ec technology from page 12



LUNOS 160 Series Configuration

The 160 series offers ventilation units for all areas of application:

Ventilation with heat recovery for living rooms or functional rooms (bathroom and kitchen), pure exhaust air devices or external wall air diffusers for fresh air supply. The great advantage of the 160 series is its high compatibility: Whether renovation, new construction or replacement - exactly the components required for the building project can be put together.

1. Built-in device	2. Round duct	3. Inner screen*	4. External closure
e.g. e ² 60	e.g. 9/R 160-500	e.g. 9/IBF-RF	e.g. 1/HWE

* Built-in device e ^{so} already incl. inner screen Note: DG			ote: DG = disco	unt group	
	Description	Туре	Order No.	Price	DG
1. Built-in devi	ces for the 160 series				
	Built-in devices with ec-technology for ventilation and exh	aust with heat	recovery		
	e ² 60: Ventilation with heat recovery for living rooms Efficiency and noise optimized, incl. ceramic storage element, EPP foam housing, thermal insulation, sound insulation set, Filter ISO Coarse ≥ 45%, 12 V DC SELV ec motor, minimum round duct length: 280 mm	e ² 60	41157	598,50	A
	e ² 60short: Ventilation with heat recovery for living rooms Same design as e ² 60, but with shortened storage element, minimum round duct length: 200 mm	e ² 60short	40150	598,50	A
	e ² : Ventilation with heat recovery for living rooms Incl. ceramic storage element, EPP foam housing, thermal insulation, Filter ISO Coarse ≥ 45%, 12 V DC SELV ec motor, minimum round duct length: 280 mm	e² A	39993	529,50	A
	e ² short: Ventilation with heat recovery for living rooms Same design as e ² , but with shortened storage element, minimum round duct length: 200 mm	e ² short	40003	529,50	A
	e ⁹⁰ : Ventilation with heat recovery for functional rooms (bathroom, kitchen, WC) Motor housing incl. ceramic storage element, thermal insulation, two 12 V DC SELV ec motors, adapter 2/AD, Filter ISO Coarse ≥ 45% and e ⁹⁰ interior design screen, minimum round duct length: 300 mm For round duct lengths over 500 mm additional adapters 2/AD are required. Attention: The e ⁹⁰ insert is only used with the standard inner cover.	e ⁹⁰	40112	598,50	A
Com	Built-in devices with ec technology for ventilation				
	AB 30/60: Axial exhaust air unit for ventilation ec-motor incl. sound insulation and filter (optional time delay 5/ZII see page 7), 100-240 V AC, minimum round duct length: 170 mm	AB 30/60	39995	195,00	A
R	RA 15-60: Radial exhaust air unit for ventilation 12 V DC SELV ec-motor incl. filter and star-shaped silencers, minimum round duct length: 180 mm	RA 15-60	39996	195,00	A
	Built-in units for ventilation (external wall air diffusers for f	resh air supply)			
	ALD: Outer wall air vent Including three star-shaped sound absorbers sufficient for 360 mm wall thickness, volume flow screen, wind pressure protection and washable filter ISO Coarse ≥ 45%, minimum round duct length: 240 mm	ALD	39997	71,00	S
	ALD-S: Outer wall air vent with increased sound insulation Including four optimized, star-shaped sound absorbers sufficient for 360 mm wall thickness and washable filter ISO Coarse ≥ 45%, minimum round duct length: 240 mm	ALD-S	41133	71,00	S
	ALD-SV: Outer wall air vent Including four star-shaped sound absorbers sufficient for 360 mm wall thickness, volume flow screen and washable filter ISO Coarse ≥ 45%, minimum round duct length: 240 mm	ALD-SV	40148	71,00	S

	Note: DG = discount group					
	Description	Туре	Order No.	Price	DG	
2. Round duct	for the series 160					
	Spare Parts/Accessories					
	Round duct for all devices of the 160 series, (can also be used with LUNOtherm), dimensions (Ø x L): 160 x 500 mm	9/R 160-500	36765	53,00	S	
	Round duct as above in 700 mm length, dimensions (Ø x L): 160 x 700 mm	9/R 160-700	39891	75,00	S	
3. Inner screen	s for the 160 series (not suitable for e ⁹⁰)					
	Standard inner screen, dimensions (H x W x D): 180 x 180 x 35 mm, Ø inside 154 mm	9/IBE	39851	63,50	S	
	Comfort inner screen in plastic design, dimensions (H x W x D): 191 x 180 x 60 mm, Ø inside 154 mm	9/IBK	40087	122,00	S	
	Comfort inner screen in glass design, dimensions (H x W x D): 197 x 185 x 66 mm, Ø inside 154 mm	9/IBG	40088	245,00	S	
F. a	Sound insulation inner screen, incl. washable filter ISO Coarse ≥ 45%, dimensions (H x W x D): 250 x 250 x 78 mm, Ø inside 154 mm	9/IBS	39947	218,00	S	
(4)	Inner screens with F7 filter					
	Hygiene inner screen in plastic design, incl. F7 filter, ePM1 55%, dimensions (H x W x D): 191 x 180 x 77 mm, Ø inside 154 mm	9/IBK-H	40179	122,00	S	
	Hygiene inner screen in glass design, incl. F7 filter ePM1 55%, dimensions (H x W x D): 197 x 185 x 83 mm, Ø inside 154 mm	9/IBG-H	40180	245,00	S	
	Wireless screen					
	Comfort wireless screen, incl. control with integrated wireless module, equipped with humidity and temperature sensor and integrated time delay, power supply unit and connection cable for series e ² and RA15-60, can be combined with 5/UNI-RF and 5/SC-RF, expandable with UNI-EO wireless module, Standard filters from the e ² series and F7 Filter 9/FIB-F7 can be used, dimensions (H x W x D): 230 x 185 x 53 mm, Ø inside 154 mm	9/IBF-RF	41183	211,50	A	
4. External clos	sures for the 160 series					
	External closures plastic					
	Outer grille, white, with claw fixing, insect protection and facade protection ring, \emptyset = 180 mm, similar to RAL 9016	1/WE 180	39852	22,00	S	
	Outer grille, anthracite, with claw fixing, insect protection and facade protection ring, \emptyset = 180 mm, similar to RAL 7016	1/AZ 180	41143	27,50	S	
	Outer grille, sanded, with claw fixing, insect protection and facade protection ring in white, $\emptyset = 180 \text{ mm}$	1/BE 180	39917	27,50	S	
0	Facade protection ring for above outer grille, white, similar to RAL 9016	1/FSR-WE 180	40093	6,00	S	
Q	Facade protection ring for above outer grille, anthracite, similar to RAL 7016	1/FSR-AZ 180	41140	6,00	S	
	External closures metal					
	Outer grille for inside diameter 125-160 mm, insect screen, stainless steel pluggable version, Ø = 175 mm	1/RME 175	39909	53,50	S	
	Outer grille for inside diameter 125-160 mm, insect screen, copper pluggable version, $\emptyset = 175$ mm	1/RMK 175	39910	53,50	S	
	Outer grille for inside diameter 160-200 mm, insect screen, stainless steel pluggable version, dimensions (H x W): 228 x 228 mm	1/QME 228	39911	75,00	S	
	Outer grille for inside diameter 160-200 mm, insect screen, copper pluggable version, dimensions (H x W): 228 x 228 mm	1/QMK 228	39912	82,00	S	

LUNOS 160 Series: External closures and LUNOtherm-S/-S+

	Description	Туре	Order No.	Price	DG	
4. Außenversch	nlüsse für die 160er-Serie					
	Outer hoods for one-way system			I		
	Outer hood with sound insulation, white powder-coated aluminium, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 9016	1/HWE	40020	184,50	S	
	Outer hood with sound insulation, anthracite powder-coated aluminium, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ	40021	184,50	S	
	Outer hood with sound insulation, stainless steel, dimensions (H x B x T): 235 x 205 x 72 mm	1/HES	40218	199,50	S	
	Outer hoods for two-way system					
	Two-channel outer hood with sound insulation, white powder-coated aluminium 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	40107	192,00	S	
	Two-channel outer hood with sound insulation, anthracite powder-coated aluminium for fan types e ⁹⁰ and Ne ^{xx} t, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ-2	40108	192,00	S	
	Universal hoods for one and two-way system					
	Universal outer hood with sound insulation, UV-resistant with integrated condensate drain, recyclable white plastic for all one and two-way systems of the 160 series and Ne ^{xx} t, dimensions (H x W x D): 235 x 213 x 74 mm, similar to RAL 9016	1/KWE	40272	91,50	S	new
	Universal outer hood with sound insulation, UV-resistant with integrated condensate drain, recyclable anthracite plastic for all one and two-way systems of the 160 series and Ne ^{xx} t, dimensions (H x W x D): 235 x 213 x 74 mm, similar to RAL 7016	1/KAZ	40273	91,50	S	new
	ure LUNOtherm-S/-S+ for the 160 series (not suital	ble for e ^{go} & I	Ne ^{xx} t)			
Version for installa	ation under the window on request					
Noise Protection	LUNOtherm-S Insulation thicknesses from 60 mm, can be under- and overinsu	ılated, basic dim	nensions (H x W): 930 x 70	0 mm	
	LUNOtherm-S for all insulation thicknesses from 60 mm, depth: 60 mm Basic dimensions (H x W): 930 x 700 mm, can be shortened to (H x W): 630 x 400 mm	S	41154	119,00	L	
600	Sound absorber for increased sound insulation: The installation modifies the LUNOtherm-S to the LUNOtherm-S+.	9/SD-LS	41168	48,00	L	
	Insect protection screen and bird protection screen LUNOthe	rm-S/-S+ in alu	minium, (H x V	V) 345 x 53	3 mm	
	Insect screen, white powder-coated, similar to RAL 9016	1/IL WE-S	41156	19,50	L	
.,	Insect screen, anthracite powder-coated, similar to RAL 7016	1/IL AZ-S	41155	19,50	L	
	Bird screen, white powder-coated, similar to RAL 9016	1/VL WE-S	41174	36,00	L	
	Bird screen, anthracite powder-coated, similar to RAL 7016	1/VL AZ-S	41182	36,00	L	
	Facade protection insert LUNOtherm-S, white, similar to RAL 9016	1/FSE-WE	41186	11,50	L	
	Z-shaped plaster frame for LUNOtherm-S/-S+ in case of offset between ventilation opening and outer grille	Z-connector	41166	on request	L	

LUNOS 160 series: Accessories

	Description	Ti un -		ote: DG = alsco	
	Description	Туре	Order No.	Price	DG
	Internal wall air vent for 160 round ducts Active overflow element for installation in internal walls, connection to control of the ventilation system and two inner screens as wall closure necessary (see page 5), dimensions (Ø x L): 154 x 42 mm, minimum round duct length: 100 mm	ILD A+	41188	163,50	A
	Wall-mounted housing for 160 mm round ducts				
0	Wall mounting housing made of Neopor, building material class B1 according to DIN 4102, with a slope to the outside, shortenable, dimensions (H x W x D): 240 x 210 x 500 mm	9/MRD	41139	44,50	S
	Filter				
	Replacement filter pack (5 pieces), for ALD and ALD-S, dimensions (Ø): 140 mm	9/FIB-2	37192	14,00	S
	Replacement filter pack (3 pieces) for ALD and ALD-S, ISO Coarse ≥ 45%, dimensions (Ø): 140 mm, washable	9/FIB-2R	37205	21,00	S
	Replacement filter pack (3 pieces) for e ² , AB 30/60 and RA 15-60, ISO Coarse ≥ 45%, dimensions (Ø): 140 mm, washable	9/FIB-3R	37214	23,00	S
	Replacement filter pack (2 pieces) for inner panels 9/IBK-H and 9/IBG-H, Filter class F7 ePM1 55%, dimensions (W x H): 145 x 145 mm	9/FIB-F7	40181	18,50	S
	Pollen filter pack (3 pieces) with two-stage electret filter for ALD and ALD-S and e ² , dimensions (Ø): 140 mm	9/FIB-P	39004	28,00	S
	Replacement filter pack (4 pieces) for e^{99} , ISO Coarse $\geq 45\%$, dimensions (W x H): 70 x 140 mm, washable	9/FEGO-3R	39998	17,50	S
	Pollen filter pack (4 pieces) with two-stage electret filter for e ⁹⁹ , dimensions (W x H): 70 x 140 mm	9/FEGO-P	39982	22,00	S
	Replacement filter pack (3 pieces) for sound insulation screen 9/IBS, ISO Coarse ≥ 45%, dimensions (Ø): 140 mm, washable	9/FIB-2RL	39983	21,00	S
	Replacement filter pack (3 pieces) for sound insulation screen 9/IBS, ISO Coarse ≥ 45%, dimensions (Ø): 140 mm, washable	9/FIB-3RL	39984	23,00	S
	Pollen filter pack (3 pieces) with two-stage electret filter for sound insulation screen 9/IBS, dimensions (Ø): 140 mm	9/FIB-PL	39985	28,00	S
	Wind pressure protections				
	Wind pressure protection for e ² series	9/WDSE	39860	36,00	S
	Non-return damper for RA 15-60 and AB 30/60	9/WDS ABL	39970	20,00	S
	Wind pressure protection for ALD, dimensions (Ø x L): 152 x 114 mm	9/WDS	37230	36,50	S
	Sound insulations				
	Sound reflector for e ² 60 to increase external sound insulation	9/SR	41136	37,50	S
	Sound insulation set for series e ² to increase external sound insulation	9/SW	39850	17,00	S
(3)	Star-shaped sound absorber for ALD, ALD-SV, RA 15-60 and e ² 60 length: 69 mm	9/SD-S	39919	7,00	S
(*)	Star-shaped sound absorber for ALD-S and e ² 60 length: 69 mm	9/SD-SK	41134	7,00	S
	Accessories e ⁹⁰ and mounting glue				
	Adapter for separate channels in the 160 round duct. For e ⁹⁰ with round duct lengths over 500 mm, dimensions (Ø x L): 152 x 100 mm	2/AD	39965	18,50	S
	Mounting glue (310 ml) for gluing and sealing the 160 round duct in the outer wall. Sufficient for approx. 15 round ducts.	MK	38733	25,00	S
	Time follow-up for AB 30/60				
	Programmable time follow-up 6/15 min. incl. selectable interval switch every 4 hours with 30 min. running time, 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	39857	63,50	S

Control Systems

	Description	Туре	Order No.	Price	DG
	Touch Air Comfort	1 7 .			
m. 21s	Controller for LUNOMAT, Ne ^{xx} t, series e ² , e ⁹⁰ , RA 15-60 and Silvento ec with time functions, integrated humidity and temperature sensor, touch function and filter change indicator, incl. electronic box, dimensions flush-mounted box (L x W x D): 143 x 70 x 75 mm	TAC	39946	625,00	A
	CO ₂ -Sensor for TAC-control	SCO2-TAC	40000	257,00	A
	Gesture Control				
	Controller for operation of up to two Universal Controls, LUNOMAT, Ne ^{xx} t and/or Silvento ec; with humidity and temperature sensor, connection of series e ² , e ⁹⁰ and RA15-60 via Universal Control (not included in scope of delivery), power supply required, see "Controls Accessories".	5/GS	40092	285,00	A
	Smart Comfort Control				
	Controller for LUNOMAT, Ne ^{xx} t, series e ² , e ⁹⁰ and RA15-60 with humidity and temperature sensor, incl. control unit, expandable with UNI-EO wireless module, power supply required, see "Controls Accessories"	5/SC-FT	40113	199,50	A
	Universal Control				
	Controller 5/UNI-FT for LUNOMAT, Ne ^{xx} t, series e ² , e ⁹⁰ and RA15-60, equipped with humidity and temperature sensor as well as time follow-up module, combination with TAC, Gesture Control, switch 5/W2U or push-button 5/W2T, power supply required, see "Controls Accessories"	5/UNI-FT	40089	91,00	A
	Controls accessories				
	Switch for Universal Control to control up to four ventilation stages and/or for de-/activation of summer ventilation. Suitable for LUNOMAT, Series e², e ⁹⁰ and RA 15-60	5/W2U	39972	38,50	A
	Single rocker switch, e.g. for changing the volume levels of a fan or activating time functions, in conjunction with TAC control	5/WT	40010	28,00	A
	Two-rocker switch for operating the Universal Control, in conjunction with TAC control	5/W2T	40011	38,50	A
	Power supply unit, 24 W for installation in flush mounted switch box, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT18	39973	52,00	A
	Power supply unit, 60 W for mounting on the top-hat rail, input voltage 100-240 V AC 50/60 Hz, output voltage 12 V DC SELV	5/NT60	39974	52,00	A
Company A	Power supply unit, 100 W for mounting on the top-hat rail, input voltage 100-240 V AC 50/60 Hz, output voltage 12 V DC SELV	5/NT100	40096	91,00	A
₫	Top-hat rail clip for Universal Controller	НС	40001	7,50	A
	Building Site Accessories & Service				
	Service & Support Kit for Silvento ec, Ne ^{xx} t, TAC and Gesture Control, incl. programming cable for advanced configuration and diagnostics with enclosed software	SW-Kit	40183	98,50	A

LUNOS wireless products and Smart Home

The LUNOS wireless system - wireless screen and wireless controls



• Integrated control electronics with wireless interface for uncomplicated installation in renovation and new build projects with bidirectional 868 MHz wireless system.

The wireless control screen can control almost all LUNOS 160 ventilation units, whether automatically via the integrated control electronics, remotely via 5/UNI-RF or Smart Comfort wireless or via the remote control RC-EO with wireless module UNI-EO. All that is needed is a 230 V connection so that the units can synchronise themselves by wireless.

Via the optional wireless module UNI-EO LUNOS wireless products also receives commands from the common Smart Home controls, from voice assistants and from homee.

	Description	Туре	Order No.	Price	DG	
LUNOS wireless products - with the stand-alone bidirectional 868 MHz radio system						
	Comfort wireless screen, incl. control with integrated wireless module, equipped with humidity and temperature sensor and integrated time delay, power supply unit and connection cable for series e ² and RA15-60, can be combined with 5/UNI-RF and 5/SC-RF, expandable with UNI-EO wireless module, Standard filters from the e ² series and F7 Filter 9/FIB-F7 can be used, dimensions (H x W x D): 230 x 185 x 53 mm, Ø inside 154 mm	9/IBF-RF	41183	211,50	A	
	Universal Control with integrated wireless module for LUNOMAT, Ne ^{xx} t, e ² series, e ⁹⁰ and RA15-60, equipped with humidity and temperature sensor as well as integrated time lag, expandable with UNI-EO wireless module, power supply unit required, see "Controls accessories" page 8	5/UNI-RF	41158	99,50	A	
() () () () () () () () () ()	Control with integrated wireless module for LUNOMAT, Next, e ² series, e ⁵⁰ and RA15-60, equipped with humidity and temperature sensor, incl. control unit, expandable with UNI-EO wireless module, power supply unit required, see "Controls accessories" page 8	5/SC-RF	41197	199,50	A	

Smart Home: V	Vireless and control components for home automa	tion with En	Ocean conn	ectivity	
	Smart Home Hardware for LUNOS wireless components: homee is a modular smart home control center that enables various products and wireless technologies to be linked. It is controlled via an app (iOS/Android) or via WebApp. The homee Brain Cube and the homee EnOcean module are required to integrate the LUNOS Smart Home control components. Both products are available at www.hom.ee				
	External humidity/temperature wireless sensor with solar power supply and bidirectional wireless technology for connection with UNI-EO and FM-EO	SFT-EO	40090	160,50	Α
EII.	Wireless module for 5/UNI-FT und 5/SC-FT with bidirectional wireless technology for connecting homee, wireless sensors or switches	UNI-EO	40091	120,50	A
	Wireless module with bidirectional wireless technology for the integration of homee, wireless sensors or switches for Silvento ec and Ne ^{xx} t	FM-EO	40083	120,50	A
	Remote control for ventilation units with bidirectional wireless technology for operating coupled devices or for switching the lighting by means of a flush-mounted module UPM-EO	RC-EO	41141	173,50	A
	Flush-mounted module for cable-supported transmission of bidirectional wireless control signals to a 230 V AC fan or lighting system	UPM-EO	41142	136,00	A
	KNX Controller for integration of series e ² , e ⁹⁰ and RA 15-60, Silvento ec, Ne ^{xx} t and LUNOMAT (without wireless)	KNX Control4	39977	322,50	A

LUNOS-Next Configuration

Next is a decentralised heat recovery unit that is used in kindergartens, schools and offices, hotels and doctors' surgeries, and of course also in the classic way in the home. The Next is just as suitable in areas or heights where extraordinary wind loads prevail as it is in areas where a high level of sound insulation is required.

1. Built-in device	2. Housing	3. Round duct	4. Inner screen	5. External closure
NXT-E or NXT	e.g. 3/NXT	e.g. 9/R 160-500	9/NXT-IBF for NXT-E 9/NXT-IB for NXT	e.g. 1/HAZ-2

	Description	Туре	Order No.	Price	DG
1. Nexxt Built-in	devices				
	Ne ^{xx} t NXT-E: Ventilation with heat recovery EPP insert with two radial ec motors, incl. enthalpy heat exchanger, humidity and temperature sensors and two F7 filters epm1 55%, only compatible with inner screen 9/NXT-IBF	NXT-E	40130	1117,00	A
	Nex*t NXT: Ventilation with heat recovery EPP insert with two radial ec motors, incl. enthalpy heat exchanger, humidity and temperature sensors and two F7 filters epm1 55%, only compatible with inner screen 9/NXT-IB	NXT A	41192	1117,00	A
2. Nexxt Housin	gs				
Ci	Nexxt installation housing 3/NXT Housing for flush mounting incl. two adapters 2/AD and adapter Nexxt. Can also be used as a surface-mounted variant with the surface-mounted set 3/NXT-AP. For the flush-mounted version, additional adapters 2/AD are required from a wall thickness of 475 mm. One adapter per 100 mm wall thickness. Dimensions (H x W x D): 480 x 480 x 170 mm	3/NXT	40102	160,50	A
	Ne***t surface-mounted set 3/NXT-AP Design cover, necessary for the use of the installation housing 3/NXT as surface-mounted variant. Additional adapters 2/AD are required for surface-mounted versions with wall thicknesses of 303 mm or more. One adapter per 100 mm wall thickness.	3/NXT-AP	40103	123,00	A
3. Round ducts	and accessories				
	Round duct for wall ducting, dimensions (Ø x L): 160 x 500 mm	9/R 160-500	36765	53,00	S
	Round duct for wall ducting, dimensions (Ø x L): 160 x 700 mm	9/R 160-700	39891	75,00	S
	Adapter for separate channels in the 160 round channel. Required quantity depends on housing type and wall thickness, see "Ne ^{xx} t Housings", dimensions (Ø x L): 152 x 100 mm	2/AD	39965	18,50	S
	Electric damper lock, 12 V DC, dimensions (Ø x L): 153 x 105 mm	9/KVEN-2	40095	191,00	A

Ne^{xx}t Configuration, LUNOMAT - central home ventilation

	T	T	ı	iote: DG = aisco	unt group	י ר
	Description	Type	Order No.	Price	DG	
4. Inner screen	S					
The state of the s	Inner screen with integrated control element, function and filter change indicator, only compatible with built-in device NXT-E dimensions (H x W x D): 510 x 510 x 66 mm	9/NXT-IBF	40105	229,00	A	
	Inner screen without integrated control element, control possible via switch 5/W2T, radio module FM-EO or via an external control, see page 8, only compatible with built-in device NXT dimensions (H x W x D): 510 x 510 x 66 mm	9/NXT-IB	40146	155,50	A	
5. External clos	sures					
	Outer hood with sound insulation for dual duct ventilation systems, white powder-coated aluminium 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	40107	192,00	S	
	Outer hood with sound insulation for dual duct ventilation systems, anthracite powder-coated aluminium for fan types e^{90} and $Ne^{xx}t$, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ-2	40108	192,00	S	-
	Universal outer hood with sound insulation, UV-resistant with integrated condensate drain, recyclable white plastic for all one and two-way systems of the 160 series and Ne ^{xx} t, dimensions (H x W x D): 235 x 213 x 74 mm, similar to RAL 9016	1/KWE	40272	91,50	S	new
	Universal outer hood with sound insulation, UV-resistant with integrated condensate drain, recyclable anthracite plastic for all one and two-way systems of the 160 series and Ne ^{xx} t, dimensions (H x W x D): 235 x 213 x 74 mm, similar to RAL 7016	1/KAZ	40273	91,50	S	new
Accessories						-
	Filter					-
	Replacement filter pack (2 pieces), for Ne ^{xx} t, filter class F7 ePM1 55%	9/FNXT-7	40110	44,00	S	
	Replacement filter pack (2 pieces), for Nexxt, filter class F9 ePM1 80%	9/FNXT-9	40111	49,50	S	
	Module					
	Wireless module with bidirectional wireless technology for connection of home, wireless sensors or switches	FM-EO	40083	120,50	A	
	LINOMAT . II					
	LUNOMAT - central home ventilation					
0/8	LUNOMAT central unit for installation in partition walls and suspended ceilings, can also be used as a single room unit for large rooms (e.g. classrooms and kindergartens, offices and surgeries), incl. two F7 filters epm1 55%, dimensions (H x W x D): 802 x 551 x 183 mm	LUNOMAT	40149	2933,00	Α	
	Replacement filter pack (2 pieces) for LUNOMAT, filter class F7 ePM1 55%	9/FLUN-7	40203	103,50	A	
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LUNOS Silvento ec Configuration

A complete Silvento ec always consists of the following components:

1. Fan insert or clip fan		2. Control board	3. Housing (not applicable for clip fan)			
V-EC o	der KL-EC	z.B. 5/EC-FK		z.B. 3/UP		
				N	ote: DG = disco	unt group
	Description		Туре	Order No.	Price	DG
1. Silvento ec: l	Fan insert and clip	fan				
C	Silvento ec.V: Fan insert for installation in all flush-mounted and surface-mounted housings, incl. design screen and filter. Functionality is achieved with additional control board. Can be combined with all available control modules.		V-EC	40078	283,50	S
	Silvento ec-KL: Clip fan for installation in drywall walls or ceilings, incl. design screen and filter. Suitable as replacement for fans of the Skalar series. Functionality is achieved with additional control board. Can be combined with all available control modules.			40079	296,50	S
2. Silvento ec: 0	Control boards					
	Control boards, nece	ssary for the operation of fan insert ar	nd clip fan			
	basic and demand ventila	cching, time follow-up, interval switching, tion steps 0/15/20/30/40/45/50/60 m³/h hes, corresponds to abZ: Z-51.1-215	5/EC-ZI	40080	65,00	S
	Basic board with addition	al ventilation stage 90 m³/h, abZ requested	5/EC-ZI 90	40126	65,00	S
17	Comfort board: Basic board + humidity and temperature sensor with infinitely variable, intelligent control in humidity mode from 0-60 m ³ /h corresponds to abZ: Z-51.1-215		5/EC-FK	40081	235,00	S
	Comfort board with addit	ional ventilation stage 90 m³/h, abZ requested	5/EC-FK 90	40127	235,00	S
	Comfort board+: incl. VOC-sensor for ventilation based on the room air concentration of chemical-organic substances (odours) and/or CO2 equivalents, corresponds to abZ: Z-51.1-215		5/EC-FK+	40217	277,00	S
	Comfort board+ with addi	tional ventilation stage 90 m³/h, abZ requested	5/EC-FK 90+	40221	277,00	S
		nming for the special requirements of cellar o abZ: Z-51.1-215	5/EC-KE	40133	235,00	S
m#L	ventilation, corresponds to abZ: Z-51.1-215 Additional modules for function expansion (only one slot available)					
	Radar-based motion dete	ctor	5/BM	40082	149,00	S
Wireless module with bidition of homee, wireless se		rectional wireless technology for the integra-	FM-EO	40083	120,50	A
3. Silvento ec: l	Housings for fan in					
2. 2 2 6		ising Silvento for one-room ventilation,	dimensions (H s		69 x 109 5	mm
	Surface-mounted housing	g for wall and ceiling installation: with rear N 80 and leak-proof non-return damper	3/AP	39144	72,00	S
D	Surface-mounted housing for wall installation: with rear exhaust air connection DN 80, leak-proof non-return damper and metal shut-off device acc. to fire resistance class K90-18017-3		3/AP-B	39152	192,00	S

		Г		ote: DG = disco	ant group
	Description	Туре	Order No.	Price	DG
3. Silvento ec: l	Housings for fan inserts type "V"				
	Silvento flush-mounted housings for single-room ventilation	on			
	Flush-mounted housing for shaft wall installation and ceilings can be used as axial or radial variant (mounting brackets optional): Exhaust air connection DN 80 can be plugged in either at the side or at the rear, incl. radial/axial connection piece and leak-proof non-return damper, dimensions (H x W x D): 262 x 262 x 90.6 mm	3/UP	40125	76,00	S
	Flush-mounted fire protection housing for shaft wall installation (mounting brackets optional): with lateral exhaust air connection DN 80, leak-proof non-return damper and metal shut-off device K90-18017-3, dimensions (H x W x D): $270 \times 270 \times 102.5$ mm	3/UP-BR	39160	221,00	S
	Flush-mounted fire protection housing for shaft wall installation (mounting brackets optional): with rear exhaust air connection DN 80, leak-proof non-return damper and metal shut-off device K90-18017-3, dimensions (H x W x D): 270 x 270 x 102.5 mm	3/UP-BA	39179	221,00	S
	Silvento flush-mounted housings for the exterior wall	1			
	Flush-mounted housing for installation in the outside wall: with rear exhaust air connection DN 80, wall-mounted housing with connection cable and leak-proof non-return damper, dimensions (H x W x D): 270 x 270 x 107 mm	3/UP-AS	39832	131,00	A
	Flush-mounted housing for installation in the outside wall: with rear exhaust air connection DN 80, connection pipe (\emptyset x L) 98 x 300 mm, wall-mounted housing with connection cable and leak-proof non-return damper, dimensions (H x W x D): 270 x 270 x 175 mm	3/UP-AS17,5	39842	155,00	Α
34	Styrofoam adapter for 3/UP-AS, dimensions (H x W x D): 270 x 270 x 54 mm	3/AD-UP	39841	12,50	Α
	Silvento flush-mounted housings for two-room ventilation				
895	Second room set for retrofitting the 3/UP single-room flush-mounted housing, incl. connection piece, foil, second room panel 2/ZSKA and mounting bracket	3/S2	39209	42,00	S
	Two-room fire protection housing for shaft wall installation (mounting brackets optional): with lateral metal exhaust air connection DN 80, leak-proof non-return damper and metal shut-off device, dimensions (H x W x D): 270 x 270 x 102.5 mm	3/UP-2BR	39187	256,00	S
	Two-room fire protection housing for shaft wall installation (mounting brackets optional): with metal exhaust air connection DN 80 at the rear, leak-proof non-return damper and metal shut-off device, dimensions (H x W x D): 270 x 270 x 102.5 mm	3/UP-2BA	39195	256,00	S
6	Fire protection set for the connection of the second room cover 2/ZSKA for two-room ventilators: with second room cover 2/ZSKA, connection piece and volume flow orifice plate	8/B2	39543	140,50	S
Exhaust air: Mo	ounting brackets, accessories and switches				
	Mounting brackets for flush-mounted housing 3/UP	3/MW	40262	39,00	S
	Mounting brackets for all flush-mounted fire protection housings	3/MW-BR	40265	39,00	S
6	Fire protection shut-off device with connection piece for fan installation outside the fireproof shaft (installation of the shut-off device on the shaft wall)	8/BS	39535	136,50	S
O	Fire protection shut-off device for surface-mounted housing 3/AP, included in the scope of delivery of the 3/AP-B	8/BA	39527	116,50	S
	Regenerative replacement filter				
	for Silvento series (3 pieces), dimensions (H x W): 191 x 166 mm	2/FSI-R	39721	24,50	S
	Wall-mounted duct for use of Silvento with 3/AP and 3/UP-AS housing as external wall fan				
	Wall duct without plaster frame, dimensions (Ø x L): 98 x 300 mm	9/J 30	39845	12,50	S
	Switches				
	ON/OFF, bipolar, colour white	5/W	36641	28,50	S
[48	ON/OFF, two-stage, colour white	5/W2	36986	36,50	S
2	Switch for humidity control, printed, colour white	5/W2FK	39840	42,00	S

External Closures - Silvento Compatibility - ErP Directive

Note: DG = discount group

	Description	Туре	Order No.	Price	DG
Exhaust air: Ex	ternal closures				
	External closures plastic				
	Outer grille for round duct inner diameter 90-100 mm, insect screen, UV-resistant, white, similar to RAL 9016, with claw fixing, $\emptyset = 115$ mm	1/WE 115	39951	17,00	S
	as above, anthracite, similar to RAL 7016	1/AZ 115	41144	17,00	S
	as above, sanded	1/BE 115	39953	20,00	S
	External closures metal				
	Outer grille for round duct inner diameter 80-125 mm, insect screen, stainless steel pluggable, \emptyset = 150 mm	1/RME 150	39907	42,00	S
	as above, in copper	1/RMK 150	39908	38,50	S
	Outer hood with sound insulation for round duct inner diameter up to 105 mm, white powder-coated aluminium, dimensions (H x W x D): 170 x 140 x 72 mm, similar to RAL 9016	1/HWE 115	40128	129,50	S
	as above, anthracite powder-coated aluminium, similar to RAL 7016	1/HAZ 115	40129	129,50	S

Replacement of the Skalar, Saphir and Silvento AC ventilation series

When replacing the surface-mounted ventilation units, a new housing and a fan insert must be selected to suit, see the following overview table. The flush-mounted housings of the Skalar series do not have to be replaced. The Silvento ecclip fan fits into the housings 3/LS, 3/LB and the wall cut-out of the Skalar clip fan.

Fan old		Fan new			
Name	Silvento AC	Housing	Silvento ec	Control modules	
Saphir-60	V 30/60	3/AP (only for replacement Saphir)	V-EC	5/EC-ZI	
Saphir-60 ZI	V 60ZII	3/AP (only for replacement Saphir)	V-EC	5/EC-ZI	
Saphir-60 LZI	V 60BZII	3/AP (only for replacement Saphir)	V-EC	5/EC-ZI + 5/BM	
Saphir-F	V 30-60FK	3/AP (only for replacement Saphir)	V-EC	5/EC-FK	
Skalar-G	KL 30/60	-	KL-EC	5/EC-ZI	
Skalar-VG	KL 30/60	fits into existing housing	KL-EC	5/EC-ZI	
Skalar-ZI	KL 60ZII	-	KL-EC	5/EC-ZI	
Skalar-VZI	KL 60ZII	fits into existing housing	KL-EC	5/EC-ZI	
Skalar-F	KL 30-60FK	-	KL-EC	5/EC-FK	
Skalar-VF	KL 30-60FK	fits into existing housing	KL-EC	5/EC-FK	

ErP Directive - Classification since 1 January 2016

By specifying the energy efficiency class in accordance with EU Directive No. 1253/2014 and 1254/2014, the calculated energy saving potential of various ventilation units is specified. The energy efficiency class is indicated by a black arrow indicating the SEV class (= specific energy consumption class). Further information can be found at

Further information can be found at www.lunos.de.

Specific energy consumption (SEV) classes of domestic ventilation equipment, calculated for average climate:		
SEV class	SEV in kWh/a⋅m2	
A+ (highest efficiency)	SEV < -42	
A	-42 ≤ SEV < -34	
В	-34 ≤ SEV < -26	
С	-26 ≤ SEV < -23	
D	-23 ≤ SEV < -20	
E	-20 ≤ SEV < -10	
F	-10 ≤ SEV < 0	
G (lowest efficiency)	0 ≤ SEV	

Recycling numbers: Large devices, small devices: DE 60976595

Terms of Delivery and Payment

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 conflicting or supplementary clauses is hereby contradicted. 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.

. Ouotation:

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

All further information regarding the User's goods as shown in catalogues, brochures, advertising material, illustrations, drawings etc. shall only be binding if expressly confirmed in writing in the individual case.

The User reserves the right to make design modifications as well as changes to the colour, shape and design of the products.

II. Prices

All prices are net prices without value added tax (VAT). The value added tax in the valid legal amount is to be paid in addition.

The prices valid on the day a quotation is submitted shall be applicable in all business transactions

Price changes occurring after conclusion of the contract due to increases in prices, in particular of raw materials, wages, freight, 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 ex works Berlin.

Packaging, freight and shipping costs, transport insurance and other incidental services shall be charged separately by the User and are to be borne by the Orderer.

III. Delivery period

As a rule, the delivery period shall be based on the delivery date confirmed in writing by the User. Should no delivery date be confirmed, delivery shall take place ex warehouse within up to 4 weeks after conclusion of the contract and thus after receipt of the Orderer's declaration of acceptance.

Delay in delivery shall only be deemed to have occurred if the Orderer has unsuccessfully granted the User a grace period of at least 14 days after expiry of the delivery period and if the User is responsible for the delayed delivery.

The assertion of claims for damages due to delay in delivery is excluded, unless the non-compliance with the delivery period was caused by wilful intent or gross negligence on the part of the User.

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

Force majeure, riots, strikes, lockouts, shortages of raw materials and power cuts both at the User's premises and at third-party plants on which production depends shall release the User from compliance with agreed delivery deadlines.

The User shall then be entitled in the individual case to withdraw from the contract in whole or in part free of charge, stating the reason and reimbursing any consideration already paid.

Deliveries before expiry of the delivery period and partial deliveries are permissible.

IV. Warranty

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

Should the Orderer not comply with this obligation, the goods shall be deemed to have been accepted as conforming to the contract.

In the case of non-obvious defects, the commencement of the period for immediate notification of defects shall be the date on which the Orderer had the possibility of becoming aware of the defect. After a period of one year the notification of non-obvious defects is excluded.

Warranty rights expire within two years after delivery of the goods.

The claiming of a guarantee possibly granted in individual cases is conditional upon the User's instructions with regard to the necessary maintenance and regular filter changes being complied with in accordance with the approval. The Orderer shall bear the burden of proof in this respect.

The Orderer's warranty claims are limited to the rights to rectification or replacement, whereby the defective purchased items are repaired or replaced at the User's discretion.

Only after rectification has finally failed and if delivery of the replacement has proved impossible shall the Orderer be entitled to withdraw from the purchase contract or to reduce the purchase price.

If the Orderer is an entrepreneur, it shall bear the costs for installation and removal in the event of subsequent rectification and replacement delivery.

Status: November 2018

V. Reservation of title

All deliveries and services shall remain the property of the User until complete and final payment of all claims. If the Orderer violates the contract, in particular in the event of unsatisfactory information about the Orderer's solvency and/or financial situation, imminent cessation of payments, default of payment and protests of bills of exchange or cheques, the User shall be entitled to demand the return of the reserved goods.

The goods reclaimed shall then be turned to account by freehand sale to the best possible extent and, after deduction of the costs, credited to the Orderer's liability. The Orderer shall be entitled to resell the User's deliveries in the ordinary course of business, but not to pledge them or assign them as security; the Orderer shall assign to the User, already upon conclusion of the contract, all claims in the amount of the final invoice amount accruing to it from the resale against its customers or third parties, irrespective of whether the User's delivery has been resold without or after processing. The Orderer remains authorised to collect this claim even after the assignment. The right of the User to collect the claim itself remains unaffected. The User undertakes not to collect the claim as long as the Orderer meets its payment obligations from the proceeds received, is not in default of payment and, in particular, as long as no application for the opening of insolvency proceedings or similar has been filed and payments have not been suspended. If this is the case, the User may demand that the Orderer discloses the assigned claims and their debtors, provides all information necessary for collection, hands over the relevant documents and informs the debtor of the assignment.

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

The Orderer shall assign the claim from a resale or further processing of the reserved goods to the User, to the extent that the goods have been processed.

VI. Payment

Unless otherwise agreed in writing, the invoice amount is due immediately upon receipt of the delivery.

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

If the Orderer is in default with a payment, all its payment obligations from the business relationship - including those for which a bill of exchange has been issued - shall become due for immediate settlement, unless the Orderer is not responsible for the default. Furthermore, the User shall be entitled to withdraw from contracts it has not yet fulfilled after the unsuccessful expiry of a grace period for payment of 14 days and the threat of withdrawal from the contract, and to invoice the Orderer for the expenses incurred up to that point.

The Orderer shall owe the User interest on arrears at the statutory rate in any case, whereby proof of higher damage, in particular through the use of a loan required in individual cases, shall remain unaffected.

VII. Liability

The User's liability for own faults or third party faults of his vicarious agents shall be excluded, unless the breach of duty has caused damage to life, limb and health for the Orderer. Liability for other damages, in particular consequential damages such as loss of production and loss of profit, shall be excluded if the User or his vicarious agents acted with simple negligence.

VIII. Data processing

The Orderer confirms that it has been separately informed by the User about the significance of data protection and the necessity of storing personal data in connection with the business relationship, including the rights to information and deletion. He expressly agrees to the storage and use of data by the User.

IX. Non-assignment clause

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

X. Place of performance/jurisdiction

Place of performance shall be the User's place of business in Berlin.

Provided that the Orderer is a merchant, the court at the User's place of business, namely the Local Court of Spandau or the Regional Court of Berlin, shall have exclusive and final jurisdiction in all disputes in connection with the purchase contract specifically concluded between the parties.

XI. Binding force

Should individual provisions of these General Terms and Conditions be invalid, this shall not affect the validity of the remaining provisions. Such invalid provisions shall be replaced with the presumed intention of the parties or, if this should not be ascertainable, the legal regulations.

LUNOS Lüftungstechnik GmbH & Co. KG für Raumluftsysteme

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