



# Pricelist 2020

valid from 01 January 2020

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## Series e<sup>2</sup> and accessories



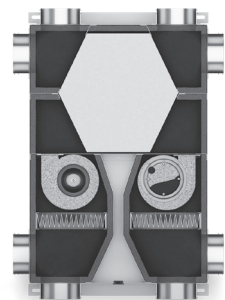
**The e<sup>2</sup> series with heat recovery from page 4**

## Control Units



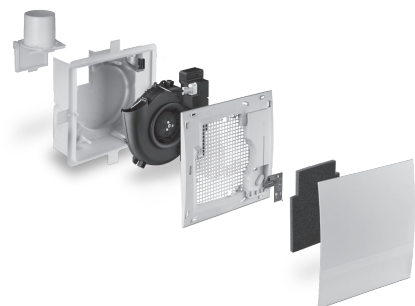
**Control technology from page 8**

## LUNOMAT and accessories



**Central ventilation with heat recovery from page 9**

## Silvento ec and accessories



**Silvento ec technology from page 12**


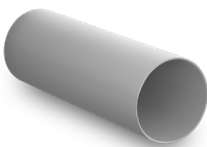


Made in Germany






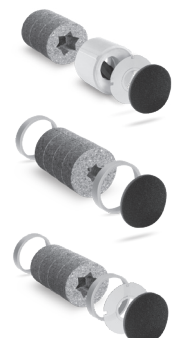
# LUNOS 160 Series Configuration

## 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. e²60	e.g. 9/R 160-500	e.g. 9/IBG	e.g. 1/HWE

Note: DG = discount group

	Description	Type	Order No.	Price	DG
<b>1. Built-in devices for the 160 series</b>					
	<b>Built-in devices with ec-technology for ventilation and exhaust with heat recovery</b>				
	<b>e²60: Ventilation with heat recovery for living rooms</b> Efficiency and noise optimized, incl. ceramic storage element, EPP foam housing, thermal insulation, sound insulation set, G3 filter, 12 V SELV ec motor, minimum round duct length: 280 mm	e²60	041 157	<b>482,50</b>	<b>A</b>
	<b>e²: Ventilation with heat recovery for living rooms</b> Incl. ceramic storage element, EPP foam housing, thermal insulation, G3 filter, 12 V SELV ec motor, minimum round duct length: 280 mm	e²	039 993	<b>427,00</b>	<b>A</b>
	<b>e²short: Ventilation with heat recovery for living spaces</b> Same design as e², but with shortened storage element, minimum round duct length: 200 mm	e²short	040 003	<b>427,00</b>	<b>A</b>
	<b>e90: Ventilation with heat recovery for functional rooms (bathroom, kitchen, WC)</b> Motor housing incl. ceramic storage element, thermal insulation, two 12 V SELV ec motors, two adapters 2/AD, G3 filter and e90 interior design screen, minimum round duct length: 300 mm <b>For round duct lengths over 500 mm additional adapters 2/AD are required. Attention: The e90 insert is only used with the standard inner cover.</b>	e90	040 112	<b>482,50</b>	<b>A</b>
<b>Built-in devices with ec technology for ventilation</b>					
	<b>AB 30/60: Axial exhaust air unit for ventilation</b> Incl. ec-motor, sound insulation and filter (optional time delay 5/ZII see page 13), 230 V AC, minimum round duct length: 200 mm	AB 30/60	039 995	<b>157,50</b>	<b>A</b>
	<b>RA 15-60: Radial exhaust air unit for ventilation</b> Incl. 12 V DC SELV ec-motor, filter and star-shaped silencers, minimum round duct length: 170 mm	RA 15-60	039 996	<b>157,50</b>	<b>A</b>
<b>Built-in units for ventilation (external wall air diffusers for fresh air supply)</b>					
	<b>ALD: Outer wall air vent</b> Including three star-shaped sound absorbers, volume flow screen, wind pressure protection and washable long-term filter G2, minimum round duct length: 240 mm	ALD	039 997	<b>57,50</b>	<b>S</b>
	<b>ALD-S: Outer wall air vent with increased sound insulation</b> Including four optimized, star-shaped sound absorbers and washable long-term filter G2, minimum round duct length: 240 mm	ALD-S	041 133	<b>57,50</b>	<b>S</b>
	<b>ALD-SV: Outer wall air vent</b> Including four star-shaped sound absorbers, volume flow screen and washable long-term filter G2, minimum round duct length: 240 mm	ALD-SV	040 148	<b>57,50</b>	<b>S</b>


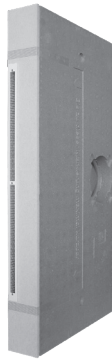


Note: DG = discount group

	Description	Type	Order No.	Price	DG
<b>2. Round duct for the series 160</b>					
	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	036 765	<b>42,50</b>	<b>S</b>
	Round duct as above in 700 mm length, dimensions (Ø x L): 160 x 700 mm	9/R 160-700	039 891	<b>59,50</b>	<b>S</b>
<b>3. Inner screens for the 160 series (not suitable for e<sup>90</sup>)</b>					
	Standard inner screen, dimensions (H x W x D): 180 x 180 x 35 mm	9/IBE	039 851	<b>51,00</b>	<b>S</b>
	Comfort inner screen in plastic design, dimensions (H x W x D): 191 x 180 x 60 mm	9/IBK	040 087	<b>98,00</b>	<b>S</b>
	Comfort inner screen in glass design, dimensions (H x W x D): 197 x 185 x 66 mm	9/IBG	040 088	<b>197,00</b>	<b>S</b>
	Sound insulation inner screen, incl. washable filter, one piece each Filter class G2 and G3, dimensions (H x W x D): 250 x 250 x 78 mm	9/IBS	039 947	<b>175,00</b>	<b>S</b>
	Inner screens with F7 filter (only for e <sup>260</sup> )				
	Comfort inner screen in plastic design, incl. F7 filter, dimensions (H x W x D): 191 x 180 x 77 mm	9/IBK-H	040 179	<b>98,00</b>	<b>S</b>
	Comfort inner screen in glass design, incl. F7 filter, dimensions (H x W x D): 197 x 185 x 83 mm	9/IBG-H	040 180	<b>197,00</b>	<b>S</b>
<b>4. External closures for the 160 series</b>					
	External closures plastic				
	Outer grille, white, with claw fixing, insect protection and facade protection ring, Ø = 180 mm, similar to RAL 9016	1/WE 180	039 852	<b>18,00</b>	<b>S</b>
	Outer grille, anthracite, with claw fixing, insect protection and facade protection ring, Ø = 180 mm, similar to RAL 7016	1/AZ 180	041 143	<b>22,00</b>	<b>S</b>
	Outer grille, sanded, with claw fixing, insect protection and facade protection ring in white, Ø = 180 mm	1/BE 180	039 917	<b>22,00</b>	<b>S</b>
	Facade protection ring for above outer grille, white, similar to RAL 9016	1/FSR-WE 180	040 093	<b>5,00</b>	<b>S</b>
	Facade protection ring for above outer grille, anthracite, similar to RAL 7016	1/FSR-AZ 180	041 140	<b>5,00</b>	<b>S</b>
	External closures metal				
	Outer grille for inside diameter 125-160 mm, insect screen, stainless steel pluggable version, Ø = 175 mm	1/RME 175	039 909	<b>43,00</b>	<b>S</b>
	Outer grille for inside diameter 125-160 mm, insect screen, copper pluggable version, Ø = 175 mm	1/RMK 175	039 910	<b>43,00</b>	<b>S</b>
	Outer grille for inside diameter 160-200 mm, insect screen, stainless steel pluggable version, (H x W) 228 x 228 mm	1/QME 228	039 911	<b>60,00</b>	<b>S</b>
	Outer grille for inside diameter 160-200 mm, insect screen, copper pluggable version, (H x W) 228 x 228 mm	1/QMK 228	039 912	<b>65,50</b>	<b>S</b>
	Outer hoods, two-way system				
	Outer hood with sound insulation, aluminium, white powder-coated, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 9016	1/HWE	040 020	<b>148,00</b>	<b>S</b>
	Outer hood with sound insulation, aluminium anthracite powder-coated, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ	040 021	<b>148,00</b>	<b>S</b>
	Two-channel outer hood with sound insulation, white powder-coated aluminium for fan types e <sup>90</sup> and Ne <sup>xt</sup> , dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 9016	1/HWE-2	040 107	<b>154,50</b>	<b>S</b>
	Two-channel outer hood with sound insulation, anthracite powder-coated aluminium for fan types e <sup>90</sup> and Ne <sup>xt</sup> , dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ-2	040 108	<b>154,50</b>	<b>S</b>

# LUNOS 160 Series: LUNOtherm

These products are custom made and therefore excluded from return.

Note: DG = discount group

	Description	Type	Order No.	Price	DG
<b>4. External closure LUNOtherm and LUNOtherm-S for the 160 series (not suitable for e<sup>go</sup> &amp; Ne<sup>xt</sup>)</b>					
<b>Version for installation under the window on request</b>					
Noise Protection	LUNOtherm-S, without insect screen. Insulation thicknesses from 60 mm, can be under- and overinsulated, basic dimensions (H x W) 930 x 700 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-60	041 154	<b>99,00</b>	<b>L</b>
	Insect screen LUNOtherm-S, (H x W) 345 x 53 mm				
	In aluminium, white powder-coated, similar to RAL 9016	1/IL WE-S	041 156	<b>15,50</b>	<b>L</b>
	In aluminium, anthracite powder-coated, similar to RAL 7016	1/IL AZ-S	041 155	<b>15,50</b>	<b>L</b>
Installation next to or above the window	LUNOtherm A for non-flammable facades (mineral), without insect screen. Insulation thicknesses over 240 mm in 20 mm increments on request. Basic dimensions (H x W) 980 x 490 mm				
	LUNOtherm A for an insulation thickness of 60 mm, depth: 60 mm	A 60	038 245	<b>99,50</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 80 mm, depth: 80 mm	A 80	038 253	<b>102,50</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 100 mm, depth: 100 mm	A 100	038 172	<b>105,00</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 120 mm, depth: 120 mm	A 120	038 199	<b>115,00</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 140 mm, depth: 140 mm	A 140	038 202	<b>126,50</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 160 mm, depth: 160 mm	A 160	038 334	<b>140,00</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 180 mm, depth: 180 mm	A 180	038 814	<b>154,00</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 200 mm, depth: 200 mm	A 200	038 849	<b>168,50</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 220 mm, depth: 220 mm	A 220	039 764	<b>186,00</b>	<b>L</b>
	LUNOtherm A for an insulation thickness of 240 mm, depth: 240 mm	A 240	039 772	<b>204,00</b>	<b>L</b>
Installation next to or above the window	LUNOtherm B for flame-retardant facades (EPS styrofoam), without insect screen. Insulation thicknesses over 240 mm in 20 mm increments on request. Basic dimensions (H x W) 1000 x 500 mm				
	LUNOtherm B for an insulation thickness of 60 mm, depth: 60 mm	B 60	038 261	<b>127,50</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 80 mm, depth: 80 mm	B 80	038 288	<b>132,00</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 100 mm, depth: 100 mm	B 100	038 180	<b>136,00</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 120 mm, depth: 120 mm	B 120	038 210	<b>149,50</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 140 mm, depth: 140 mm	B 140	038 229	<b>165,50</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 160 mm, depth: 160 mm	B 160	038 342	<b>181,00</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 180 mm, depth: 180 mm	B 180	038 938	<b>199,00</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 200 mm, depth: 200 mm	B 200	038 873	<b>218,50</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 220 mm, depth: 220 mm	B 220	039 780	<b>240,50</b>	<b>L</b>
	LUNOtherm B for an insulation thickness of 240 mm, depth: 240 mm	B 240	039 899	<b>260,50</b>	<b>L</b>
	Insect screen LUNOtherm A and B, (H x W) 670 x 30 mm				
	In aluminium, white powder-coated, similar to RAL 9016	1/IL WE	041 137	<b>15,50</b>	<b>L</b>
	In aluminium, anthracite powder-coated, similar to RAL 7016	1/IL AZ	041 138	<b>15,50</b>	<b>L</b>

# LUNOS 160 series: Accessories

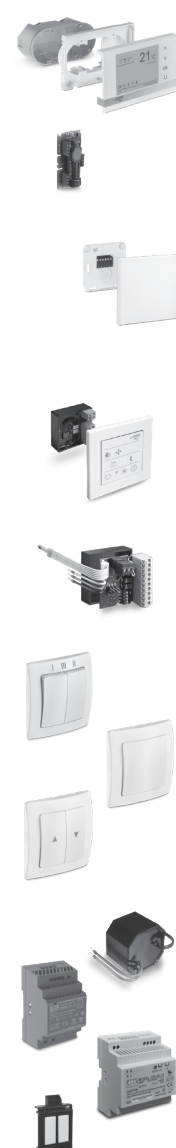
Note: DG = discount group

	Description	Type	Order No.	Price	DG
	Wall-mounted housing for 160 mm round ducts				
	Wall mounting housing made of EPS with a slope to the outside, shor-tenable, (H x W x D): 240 x 210 x 500 mm	9/MRD	041 139	<b>35,50</b>	<b>S</b>
	Filter				
	Replacement filter pack (5 pieces), for ALD and ALD-S, filter class G2, dimensions (Ø): 140 mm	9/FIB-2 5er-P	037 192	<b>11,00</b>	<b>S</b>
	Replacement filter pack (3 pieces) for ALD and ALD-S, filter class G2, dimensions (Ø): 140 mm, washable	9/FIB-2R 3er-P	037 205	<b>17,00</b>	<b>S</b>
	Replacement filter pack (3 pieces) for e <sup>2</sup> , AB 30/60 and RA 15-60, filter class G3, dimensions (Ø): 140 mm, washable	9/FIB-3R 3er-P	037 214	<b>18,50</b>	<b>S</b>
	Replacement filter pack (2 pieces) for inner panels 9/IBK-H and 9/IBG-H, Filter class F7, dimensions (W x H): 145 x 145 mm	9/FIB-F7 2er-P	040 181	<b>15,00</b>	<b>S</b>
	Pollen filter pack (3 pieces) for ALD and ALD-S and e <sup>2</sup> , Dimensions (Ø): 140 mm	9/FIB-P 3er-P	039 004	<b>22,50</b>	<b>S</b>
	Replacement filter pack (4 pieces) for e <sup>90</sup> , filter class G3, dimensions (W x H): 70 x 140 mm, washable	9/FEGO-3R 4er-P	039 998	<b>14,00</b>	<b>S</b>
	Pollen filter pack (4 pieces) for e <sup>90</sup> , dimensions (W x H): 70 x 140 mm	9/FEGO-P 4er-P	039 982	<b>18,00</b>	<b>S</b>
	Replacement filter pack (3 pieces) for sound insulation screen 9/IBS, filter class G2, dimensions (Ø): 140 mm, washable	9/FIB-2RL 3er-P	039 983	<b>17,00</b>	<b>S</b>
	Replacement filter pack (3 pieces) for sound insulation screen 9/IBS, filter class G3, dimensions (Ø): 140 mm, washable	9/FIB-3RL 3er-P	039 984	<b>18,50</b>	<b>S</b>
	Pollen filter pack (3 pieces) for sound insulation screen 9/IBS, dimensions (Ø): 140 mm	9/FIB-PL 3er-P	039 985	<b>22,50</b>	<b>S</b>
	Wind pressure protections				
	Wind pressure protection for e <sup>2</sup>	9/WDSE	039 860	<b>28,50</b>	<b>S</b>
	Non-return damper for RA 15-60 and AB 30/60	9/WDS ABL	039 970	<b>16,00</b>	<b>S</b>
	Wind pressure protection for ALD, dimensions: (Ø x L) 152 x 114 mm	9/WDS	037 230	<b>29,00</b>	<b>S</b>
	Sound insulations				
	Sound insulation set for e <sup>2</sup> to increase external sound insulation	9/SW	039 850	<b>13,50</b>	<b>S</b>
	Star-shaped sound absorber for ALD, ALD-SV and RA 15-60, Length: 69 mm	9/SD-S	039 919	<b>6,00</b>	<b>S</b>
	Star-shaped sound absorber for ALD-S, Length: 69 mm	9/SD-SK	041 134	<b>6,00</b>	<b>S</b>
	Accessories e <sup>90</sup> and mounting glue				
	Replacement inner screen for fan type e <sup>90</sup> , dimensions (H x W x D): 217 x 237 x 63 mm	2/EGI	040 018	<b>138,00</b>	<b>A</b>
	Adapter for separate channels in the 160 round duct. For e <sup>90</sup> with round duct lengths over 500 mm, dimensions (Ø x L): 152 x 100 mm	2/AD	039 965	<b>15,00</b>	<b>S</b>
	Mounting glue (310 ml) for gluing and sealing the 160 round duct in the outer wall. Sufficient for approx. 15 round ducts.	MK	038 733	<b>20,50</b>	<b>S</b>




# Control Systems

Note: DG = discount group

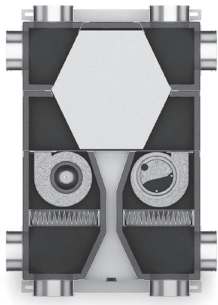
	Description	Type	Order No.	Price	DG
	<b>Touch Air Comfort (TAC)</b>				
	Controller for LUNOMAT, Ne <sup>xt</sup> , series e <sup>2</sup> , e <sup>90</sup> , RA 15-60 and Silvento ec with time functions, integrated humidity and temperature sensor, touch function and filter change indicator, incl. electronic box, for 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	<b>503,00</b>	<b>A</b>
	CO <sub>2</sub> -Sensor for TAC control	SCO2-TAC	040 000	<b>207,00</b>	<b>A</b>
	<b>Gesture Control</b>				
	Gesture Control for operation of up to two Universal Controls, LUNOMAT, Ne <sup>xt</sup> and/or Silvento ec; with humidity and temperature sensor, connection of series e <sup>2</sup> , e <sup>90</sup> and RA15-60 via Universal Control (not included in scope of delivery), power supply required, see „Controls Accessories“.	5/GS	040 092	<b>229,00</b>	<b>A</b>
	<b>Smart Comfort Control</b>				
	Controller for LUNOMAT, series e <sup>2</sup> , e <sup>90</sup> and RA15-60 with humidity and temperature sensor, incl. control unit, power supply required, see „Controls Accessories“	5/SC-FT	040 113	<b>159,50</b>	<b>A</b>
	<b>Universal Control</b>				
	The Universal Controller 5/UNI-FT for LUNOMAT, Series e <sup>2</sup> , e <sup>90</sup> 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	5/UNI-FT	040 089	<b>73,50</b>	<b>A</b>
	Switch for Universal Control to control up to four ventilation stages and/or for de-/activation of summer ventilation. Suitable for LUNOMAT, Series e <sup>2</sup> , e <sup>90</sup> and RA 15-60	5/W2U	039 972	<b>31,00</b>	<b>A</b>
	Single rocker switch, e.g. for changing the volume levels of a fan or activating time functions, in conjunction with TAC control	5/WT	040 010	<b>22,50</b>	<b>A</b>
	Two-rocker switch for operating the Universal Control, in conjunction with TAC control	5/W2T	040 011	<b>31,00</b>	<b>A</b>
	<b>Controls accessories</b>				
	Power supply unit, 18 W for installation in flush mounted switch box, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT18	039 973	<b>41,50</b>	<b>A</b>
	Power supply unit, 60 W for mounting on the top-hat rail, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT60	039 974	<b>41,50</b>	<b>A</b>
	Power supply unit, 100 W for mounting on the top-hat rail, input voltage 230 V AC, output voltage 12 V DC SELV	5/NT100	040 096	<b>73,50</b>	<b>A</b>
	Top-hat rail clip for Universal Controller	HC	040 001	<b>6,50</b>	<b>A</b>
	Service & Support Kit for Silvento ec, Ne <sup>xt</sup> , TAC and Gesture Control	SW-Kit	040 183	<b>79,00</b>	<b>A</b>

## Smart Home: Wireless and control components for home automation

	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 <a href="http://www.hom.ee">www.hom.ee</a>				
	External humidity/temperature wireless sensor with solar power supply and bidirectional wireless technology for connection with UNI-EO and FM-EO	SFT-EO	040 090	<b>129,00</b>	<b>A</b>
	Wireless module for Universal Control 5/UNI-FT with bidirectional wireless technology for connecting homee, wireless sensors or switches	UNI-EO	040 091	<b>89,00</b>	<b>A</b>
	Wireless module with bidirectional wireless technology for the integration of homee, wireless sensors or switches	FM-EO	040 083	<b>89,00</b>	<b>A</b>
	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	041 141	<b>140,00</b>	<b>A</b>
	Flush-mounted module for cable-supported transmission of bidirectional wireless control signals to a 230 V AC fan or lighting system	UPM-EO	041 142	<b>109,00</b>	<b>A</b>
	KNX Controller for integration of e2, e90 and RA 15-60 (without wireless)	KNX Control4	039 977	<b>259,00</b>	<b>A</b>



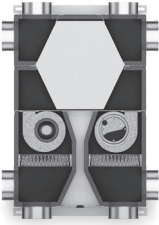
# LUNOMAT: Central Ventilation from LUNOS



- Pressure-resistant and highly efficient ec-Radial motors for volume flows of up to 125 m<sup>3</sup>/h
- Highly efficient enthalpy heat exchanger with a heat recovery efficiency of up to 95%.

The LUNOMAT can be operated by almost all LUNOS control systems: TAC, Universal Control and Gesture Control. Of course, it is also possible to receive commands from standard Smart Home Controls, speech assistants and homee via its optional wireless sensor technology.

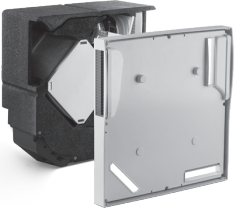
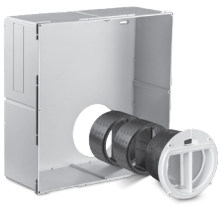
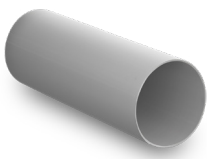


Note: DG = discount group

	Description	Type	Order No.	Price	DG
	LUNOMAT home ventilation system				
	LUNOMAT central unit for installation in partition walls and suspended ceilings, (H x W x D): 802 x 551 x 183 mm	LUNOMAT	040 149	on request	
	Service				
	LUNOMAT balancing: commissioning, checking and, if necessary, adjustment of the volume flows, incl. brief on-site instruction		040 184	on request	
	Air distribution system				
	Air distributor set DN125 to 2x4 DN75		040 188	on request	
	Air volume regulator system duct		040 189	on request	
	Insulating pipe DN125, length: 2 m		040 195	on request	
	Insulating pipe bend 90° DN125		040 196	on request	
	Flexible round duct DN75		040 197	on request	
	Room air valves and accessories				
	Disc valve exhaust air DN125, white		040 192	on request	
	Disc valve supply air DN125, white		040 193	on request	
	Ceiling/wall outlet set 2x DN75 to DN125		040 190	on request	
	Sealing ring DN75		040 191	on request	
	Filter Disc valve exhaust air DN125		040 194	on request	
	External closures				
	Outer hood with sound insulation, aluminium, white powder-coated, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 9016	1/HWE	040 020	<b>148,00</b>	<b>S</b>
	Outer hood with sound insulation, aluminium anthracite powder-coated, dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ	040 021	<b>148,00</b>	<b>S</b>

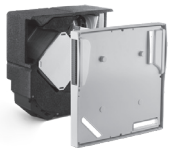
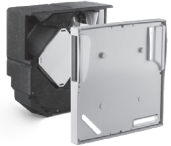




# LUNOS Ne<sup>xt</sup> Configuration







Ne<sup>xt</sup> 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 Ne<sup>xt</sup> 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
				
e.g. NXT-K	e.g. 3/NXT	e.g. 9/R 160-500	e.g. 9/NXT-IBF	e.g. 1/HAZ-2

Note: DG = discount group

	Description	Type	Order No.	Price	DG
<b>1. Ne<sup>xt</sup> Built-in devices</b>					
	<b>Ne<sup>xt</sup> NXT-E: Ventilation with heat recovery</b> EPP insert with two radial ec motors, incl. enthalpy heat exchanger, humidity /temperature sensors and two M5 filters	NXT-E	040 130	<b>899,00</b>	<b>A</b>
	<b>Ne<sup>xt</sup> NXT-K: Ventilation with heat recovery</b> EPP insert with two radial ec motors, incl. cross-flow heat exchanger, humidity/temperature sensors and two M5 filters	NXT-K	040 101	<b>789,00</b>	<b>A</b>
<b>2. Ne<sup>xt</sup> Housings</b>					
	<b>Ne<sup>xt</sup> installation housing 3/NXT</b> Housing for flush mounting incl. two adapters 2/AD. 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	040 102	<b>129,00</b>	<b>A</b>
	<b>Ne<sup>xt</sup> surface-mounted set 3/NXT-AP</b> 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	040 103	<b>99,00</b>	<b>A</b>

Note: DG = discount group

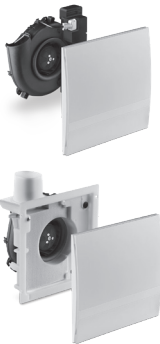


	Description	Type	Order No.	Price	DG
<b>3. Round ducts and accessories</b>					
	<b>Spare Parts/Accessories</b>				
	Round duct for wall ducting, dimensions (Ø x L): 160 x 500 mm	9/R 160-500	036 765	<b>42,50</b>	<b>S</b>
	Round duct for wall ducting, dimensions (Ø x L): 160 x 700 mm	9/R 160-700	039 891	<b>59,50</b>	<b>S</b>
	Adapter for separate channels in the 160 round channel. Required quantity depends on housing type and wall thickness, see „Ne <sup>xt</sup> Housings“, Dimensions (Ø x L) 152 x 100 mm	2/AD	039 965	<b>15,00</b>	<b>S</b>
	Electric damper lock, 12 V DC, Dimensions (Ø x L) 153 x 105 mm	9/KVEN-2	040 095	<b>153,50</b>	<b>A</b>
<b>4. Inner screen</b>					
	Inner screen with integrated control element, function and filter change indicator, Dimensions (H x W x D): 510 x 510 x 45 mm	9/NXT-IBF	040 105	<b>184,00</b>	<b>A</b>
<b>5. External closures</b>					
	Outer hood with sound insulation for dual duct ventilation systems, Aluminium white powder-coated for fan types e <sup>90</sup> and Ne <sup>xt</sup> , Dimensions (h x w x d): 235 x 205 x 72 mm, similar to RAL 9016	1/HWE-2	040 107	<b>154,50</b>	<b>S</b>
	Outer hood with sound insulation for dual duct ventilation systems, Aluminium anthracite powder-coated for fan types e <sup>90</sup> and Ne <sup>xt</sup> , Dimensions (H x W x D): 235 x 205 x 72 mm, similar to RAL 7016	1/HAZ-2	040 108	<b>154,50</b>	<b>S</b>
<b>Accessories</b>					
	<b>Filter</b>				
	Replacement filter pack (2 pieces), for Ne <sup>xt</sup> , filter class M5	9/FNXT-5 2er-P	040 109	<b>30,00</b>	<b>S</b>
	Replacement filter pack (2 pieces), for Ne <sup>xt</sup> , filter class F7	9/FNXT-7 2er-P	040 110	<b>35,00</b>	<b>S</b>
	Replacement filter pack (2 pieces), for Ne <sup>xt</sup> , filter class F9	9/FNXT-9 2er-P	040 111	<b>40,00</b>	<b>S</b>
	<b>Module</b>				
	Wireless module with bidirectional wireless technology for connection of home, wireless sensors or switches	FM-EO	040 083	<b>89,00</b>	<b>A</b>



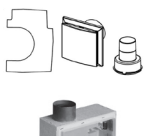

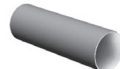

# LUNOS Silvento ec Configuration

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)
 e.g. V-EC & KL-EC	 e.g. 5/EC-FK	 e.g. 3/UP


Note: DG = discount group

	Description	Type	Order No.	Price	DG
<b>1. Silvento ec: Fan insert and clip fan</b>					
	<b>Silvento ec-V:</b> 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	040 078	<b>227,50</b>	<b>S</b>
	<b>Silvento ec-KL:</b> Clip fan for installation in drywall walls or ceilings with cut-out (W x H) 210 x 230 mm, 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.	KL-EC	040 079	<b>238,50</b>	<b>S</b>
<b>2. Silvento ec: Control boards</b>					
	Control boards, necessary for the operation of fan insert and clip fan				
	Basic board with step switching, time follow-up, interval switching, basic and demand ventilation steps 0/15/20/30/40/45/50/60 m³/h configurable via DIP switches	5/EC-ZI	040 080	<b>52,00</b>	<b>S</b>
	Basic board with additional ventilation stage 90 m³/h	5/EC-ZI 90	040 126	<b>52,00</b>	<b>S</b>
	Comfort board: Basic board + humidity and temperature sensor with infinitely variable, intelligent control in humidity mode from 0-60 m³/h	5/EC-FK	040 081	<b>189,50</b>	<b>S</b>
	Comfort board with additional ventilation stage 90 m³/h	5/EC-FK 90	040 127	<b>189,50</b>	<b>S</b>
	Comfort board: with programming for the special requirements of cellar ventilation	5/EC-KE	040 133	<b>184,00</b>	<b>S</b>
	Additional modules for function expansion (only one slot available)				
	Radar-based motion detector	5/BM	040 082	<b>120,00</b>	<b>S</b>
<b>3. Silvento ec: Housing for fan inserts type „V“</b>					
	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 wall and ceiling installation: with rear exhaust air connection DN 80 and leakage air-tight non-return damper	3/AP	039 144	<b>58,00</b>	<b>S</b>
	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	039 152	<b>153,50</b>	<b>S</b>

	Description	Type	Order No.	Price	DG
<b>3. Silvento ec: Housing for fan inserts type „V“</b>					
	<b>Silvento flush-mounted housing for single-room ventilation</b>				
	Flush-mounted housing for shaft wall installation and ceilings can be used as axial or radial variant: Exhaust air connection DN 80 can be plugged in either at the side or at the rear, incl. radial/axial connection piece and leakage air-tight non-return damper, Dimensions (h x w x d): 262 x 262 x 90.6 mm, incl. mounting bracket	3/UP	040 125	<b>61,00</b>	<b>S</b>
	Flush-mounted fire protection housing for shaft wall installation: 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 x 270 x 102.5 mm, incl. mounting bracket	3/UP-BR	039 160	<b>174,00</b>	<b>S</b>
	Flush-mounted fire protection housing for shaft wall installation: 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, incl. mounting bracket	3/UP-BA	039 179	<b>174,00</b>	<b>S</b>
	<b>Silvento flush-mounted housing for the exterior wall</b>				
	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	039 832	<b>105,00</b>	<b>A</b>
	Flush-mounted housing for installation in the outside wall: with rear exhaust air connection DN 80, connection pipe (Ø 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	039 842	<b>124,00</b>	<b>A</b>
	Styrofoam adapter for 3/UP-AS, dimensions (H x W x D): 270 x 270 x 53 mm	3/AD-UP	039 841	<b>9,50</b>	<b>A</b>
	<b>Silvento flush-mounted housing for two-room ventilation</b>				
	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	039 209	<b>34,00</b>	<b>S</b>
	Two-room fire protection housing for shaft wall installation: 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, incl. mounting bracket	3/UP-2BR	039 187	<b>202,00</b>	<b>S</b>
	Two-room fire protection housing for shaft wall installation: with metal exhaust air spigot 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, incl. mounting bracket	3/UP-2BA	039 195	<b>202,00</b>	<b>S</b>
<b>Exhaust air: Accessories and switches</b>					
	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	039 535	<b>107,00</b>	<b>S</b>
	Fire protection shut-off device for surface-mounted housing 3/AP, included in the scope of delivery of the 3/AP-B	8/BA	039 527	<b>91,00</b>	<b>S</b>
	<b>Regenerative replacement filter</b>				
	for Silvento series, dimensions (H x W): 191 x 166 mm	2/FSI-R 3er-P	039 721	<b>20,00</b>	<b>S</b>
	<b>Wall-mounted duct for use of Silvento with 3/AP and 3/UP-AS housing as external wall fan</b>				
	Wall duct without plaster frame, dimensions (Ø x L): 98 x 300 mm	9/J 30	039 845	<b>9,50</b>	<b>S</b>
	<b>Switches</b>				
	ON/OFF, bipolar, colour white	5/W	036 641	<b>23,00</b>	<b>S</b>
	ON/OFF, two-stage, colour white	5/W2	036 986	<b>29,00</b>	<b>S</b>
	Switch for humidity control, colour white	5/W2FK	039 840	<b>34,00</b>	<b>S</b>

# External Closures – Silvento Compatibility – ErP Directive

Note: DG = discount group

	Description	Type	Order No.	Price	DG
<b>Exhaust air: External closures</b>					
	<b>External closures plastic</b>				
	Outer grille for round duct inner diameter 90-100 mm, insect screen, white, similar to RAL 9016, with claw fixing, Ø = 115 mm	1/WE 115	039 951	<b>13,50</b>	<b>S</b>
	as above, anthracite, similar to RAL 7016	1/AZ 115	041 144	<b>13,50</b>	<b>S</b>
	as above, sanded	1/BE 115	039 953	<b>16,00</b>	<b>S</b>
	<b>External closures metal</b>				
	Outer grille for round duct inner diameter 80-125 mm, insect screen, stainless steel pluggable, Ø = 150 mm	1/RME 150	039 907	<b>34,00</b>	<b>S</b>
	as above, in copper	1/RMK 150	039 908	<b>31,00</b>	<b>S</b>
	Outer hood with sound insulation for round duct inner diameter up to 105 mm, aluminium, white powder-coated, Dimensions (h x w x d): 170 x 140 x 72 mm, similar to RAL 9016	1/HWE 115	040 128	<b>104,00</b>	<b>S</b>
	as above, aluminium anthracite powder-coated, similar to RAL 7016	1/HAZ 115	040 129	<b>104,00</b>	<b>S</b>

## Replacement of the Skalar, Saphir and Silvento AC ventilation series

BWhen 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 ec clip 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	V-EC	5/EC-ZI
Saphir-60 ZI	V 60ZII	3/AP	V-EC	5/EC-ZI
Saphir-60 LZI	V 60BZII	3/AP	V-EC	5/EC-ZI + 5/BM
Saphir-F	V 30-60FK	3/AP	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 [www.lunos.de](http://www.lunos.de).

Specific energy consumption (SEV) classes of domestic ventilation equipment, calculated for average climate:

SEV class	SEV in kWh/a-m <sup>2</sup>
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

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.

### I. Quotations

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.

### 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.





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