

SPS Minibox

Compact unit
with a counterflow or cross-flow heat exchanger



SPS Minibox

The SPS MINIBOX air handling unit is a compact unit available in supply air and extract air versions. The product line includes 5 sizes with airflow capacities ranging from 200 to 2,100 m³/h.

The unit is designed for operation with internal ventilation duct systems. It is intended for indoor installation in a suspended configuration or in a horizontal floor-mounted version on feet. Its compact dimensions allow installation in confined spaces.

As standard, the unit is delivered as a complete, ready-to-operate system. Thanks to its innovative self-supporting design, all essential components have been integrated into the compact casing, including the power and control panel, complete internal wiring operating in a Plug & Play system, and intuitive manufacturer-supplied controls.



Compact
unit



Supply or exhaust
unit



Indoor
installation



Self-supporting
design



Suspended or horizontal
unit



System
Plug&Play

 size **10**

 airflow
capacity

200 · 2 100 m³/h

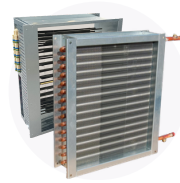
Unit components



Energy-efficient EC fans (IE4)



Panel filters



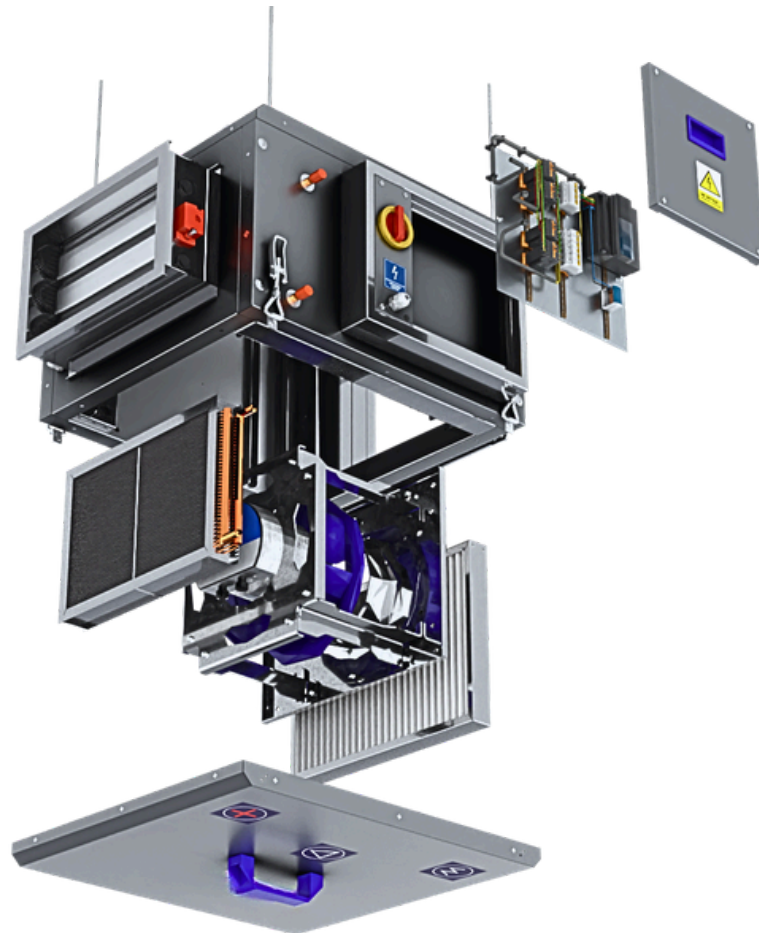
PTC electric or water heater



Metal connection spigots



Full internal wiring Plug & Play



Unit designed to operate with **internal ventilation duct systems**

Basic information



Casing

- Self-supporting unit design without aluminium profiles
- External panels made of Magnelis ZM310 coated sheet steel; internal panels made of galvanised steel sheet
- Internal design in suspended or horizontal version on legs
- Double-panel casing with removable panels
- Adjustable panel clamping force
- Flexible connection spigots finished with a P30 frame, eliminating vibrations and noise transmitted through ventilation systems
- 30 mm unit insulation



Fans

- High-efficiency EC motors
- Motor operation within the optimum speed range
- Reduced heat emission



Heater

- Water heater
- Connections integrated inside the unit casing, ensuring compactness and safety during transport
- Small dimensions in relation to heating capacity
- PTC electric heater (optional)



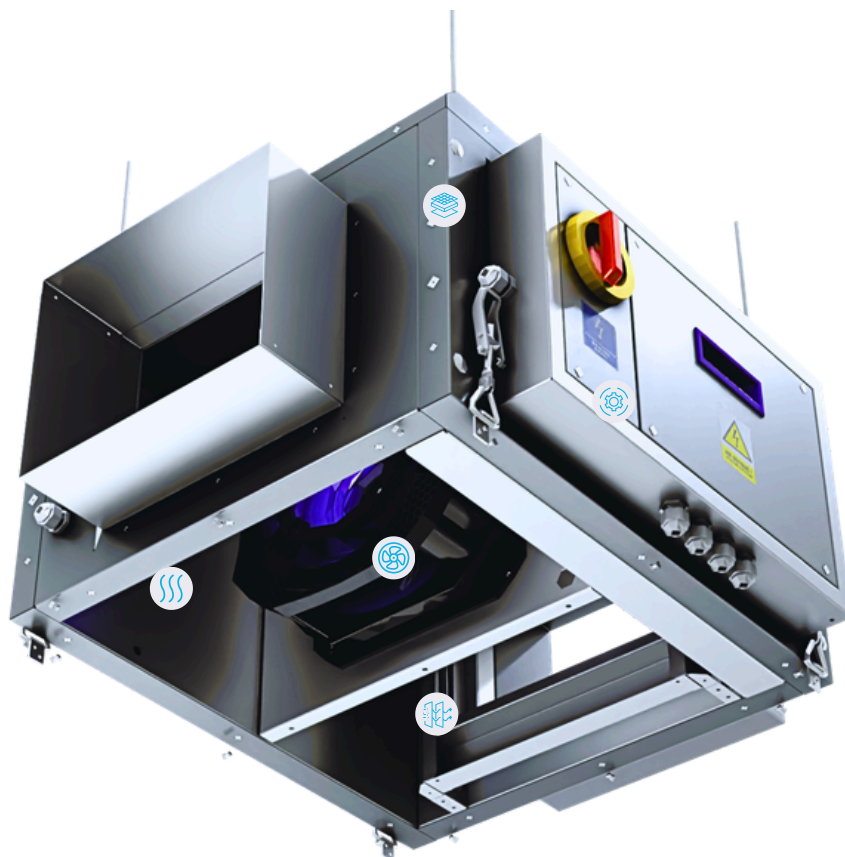
Filters

- ISO Coarse >65% (G4)
- ISO ePM10 50% (M5)
- ISO ePM1 70% (F7)

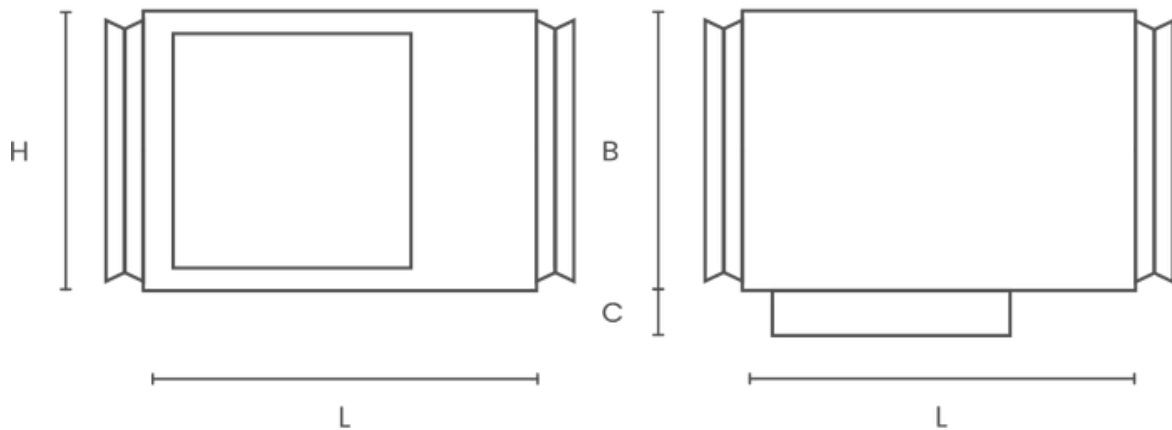


Automation

- Integrated control and power distribution panel
- Unit cooperation with peripheral devices
- Plug&Play automation with internal wiring



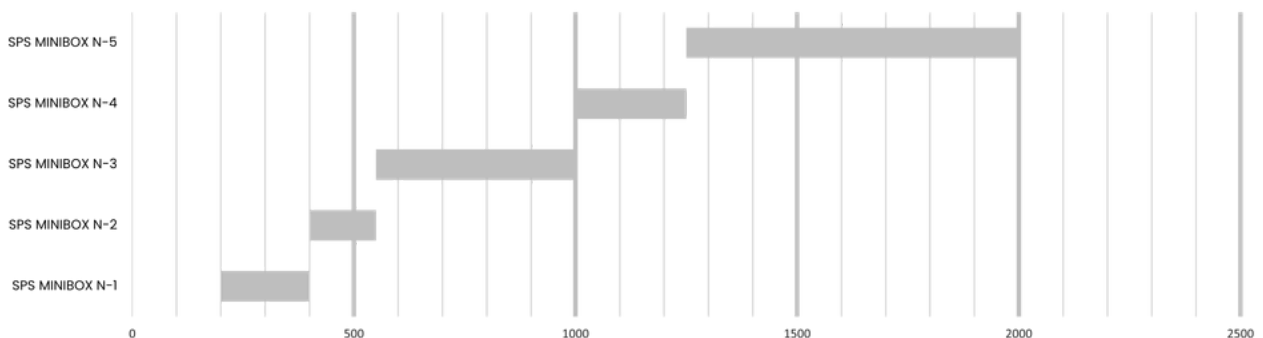
Technical data



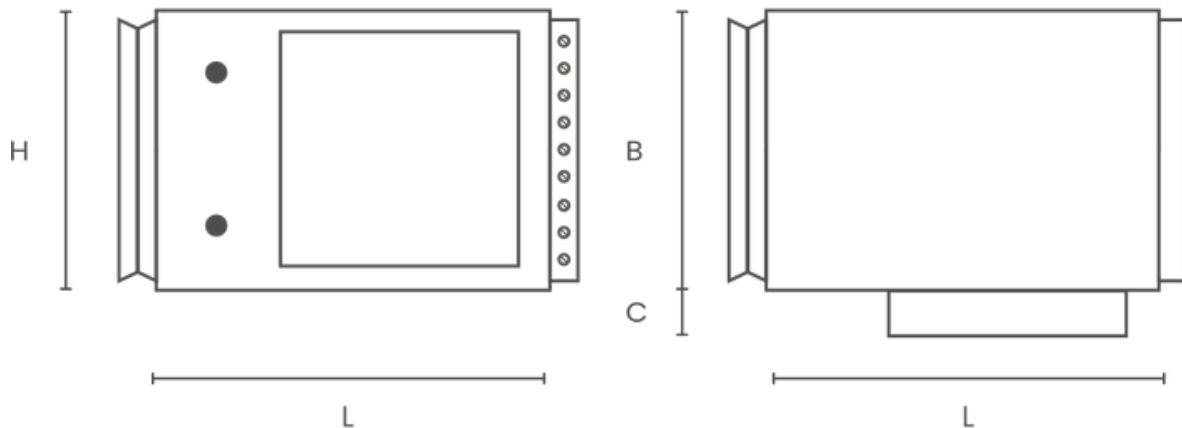
unit size			NE-1	NE-2	NE-3	NE-4	NE-5
airflow range	min.	[m³/h]	200	400	550	1000	1250
	max.		400	550	1000	1250	2000
available external static pressure		[Pa]	300	300	300	400	500
heat recovery efficiency		[%]			-		
weight		[kg]	36	39	43	61	67
dimensions	L	[mm]	750	750	750	950	950
	B	[mm]	450	450	500	650	780
	H1	[mm]	105	105	105	105	105
	H2	[mm]	340	340	415	435	435
insulation		[mm]			30		
connection size		[mm]	fi200	250x200	300x250	375x300	500x300
power consumption	fan motor power	[kW]	0,17	0,17	0,17	0,5	0,5/0,78
	maximum electric heater power	[kW]	6	12	18	24	30
	maximum water heater capacity	[kW]			-		
maximum motor current		[A]	1,7	1,7	1,7	2,5	2,5/4
filters		[V,Hz]			3-400, 50		

unit size

ISO Coarse >65% (G4)
ISO ePM10 >50% (M5)
ISO ePM1 >70% (F7)



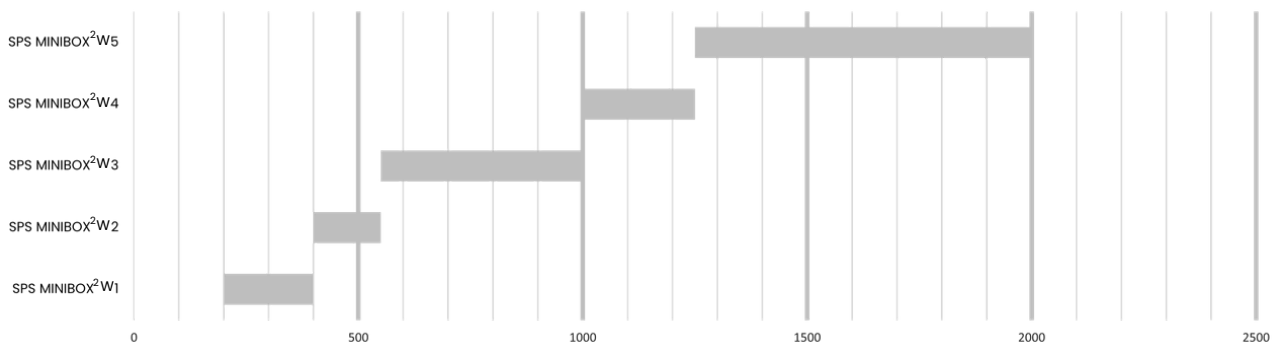
Technical data



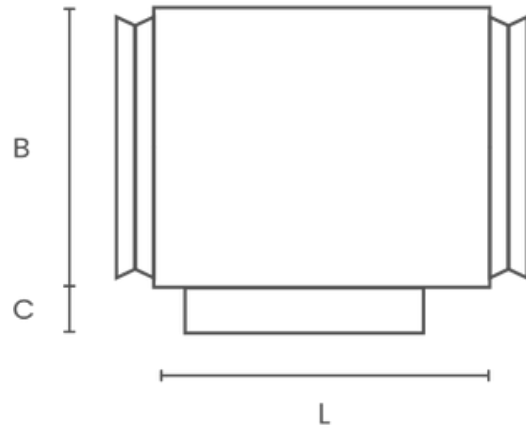
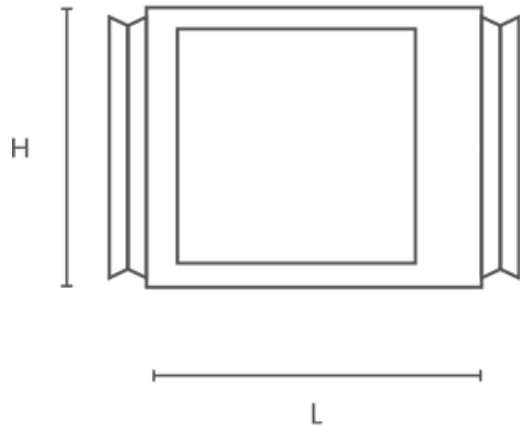
unit size		NW-1	NW-2	NW-3	NW-4	NW-5	
airflow range	min.	200	400	550	1000	1250	
	max.	400	550	1000	1250	2000	
available external static pressure	[Pa]	300	300	300	400	500	
heat recovery efficiency	[%]			-			
weight	[kg]	38	38	46	49,5	54,3	
dimensions	L	[mm]	680	680	680	800	800
	B	[mm]	450	450	500	550	700
	H1	[mm]	50	50	50	50	50
	H2	[mm]	340	340	400	400	400
insulation	[mm]			30			
connection size	[mm]	fi200	250x200	300x250	375x300	500x300	
power consumption	fan motor power	[kW]	0,17	0,17	0,17	0,5	0,5/0,78
	maximum electric heater power	[kW]			-		
	maximum water heater capacity	[kW]	6,3	8,7	16,9	21,5	34,2
maximum motor current	[A]	1,7	1,7	1,7	2,5	2,5/4	
filters	[V,Hz]			3~400, 50			

unit size

ISO Coarse > 65% (G4),
ISO ePM10 > 50% (M5),
ISO ePM1 > 70% (F7)



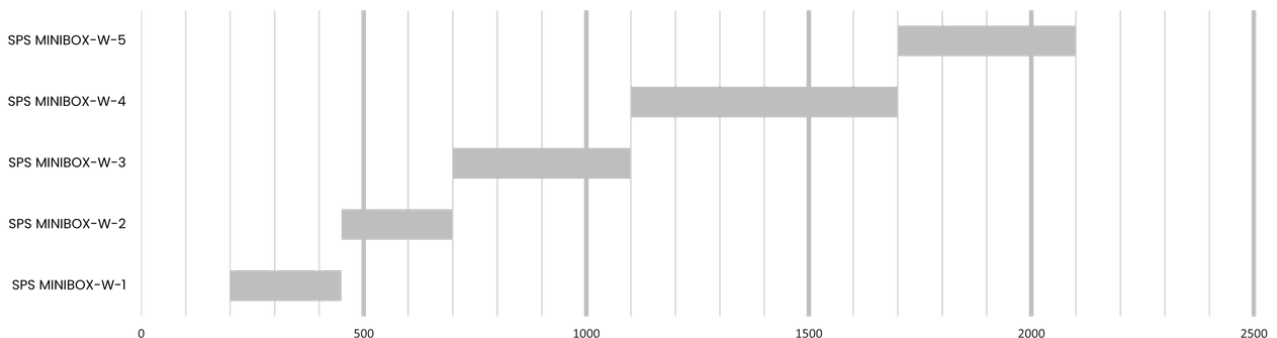
Technical data



unit size			W-1	W-2	W-3	W-4	W-5
airflow range	min.	[m³/h]	200	450	700	1100	1700
	max.		450	700	1100	1700	2100
available external static pressure		[Pa]	300	300	300	400	500
heat recovery efficiency		[%]			-		
weight		[kg]	29	29	31	38	42
dimensions	L	[mm]	500	500	500	500	500
	B	[mm]	450	450	500	550	700
	H1	[mm]	340	340	340	400	400
	H2	[mm]			30		
insulation		[mm]	fi200	250x200	300x250	375x300	500x300
connection size		[kW]	0,17	0,17	0,17	0,5	0,5/0,78
power consumption	fan motor power	[kW]			-		
	maximum electric heater power	[kW]			-		
	maximum water heater capacity	[A]	1,7	1,7	1,7	2,5	2,5/4
maximum motor current		[V,Hz]			3~400, 50		

filters

ISO Coarse>65% (G4),
ISO ePM10>50% (M5),
ISO ePM1>70% (F7)



Air tailored to **your** needs



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