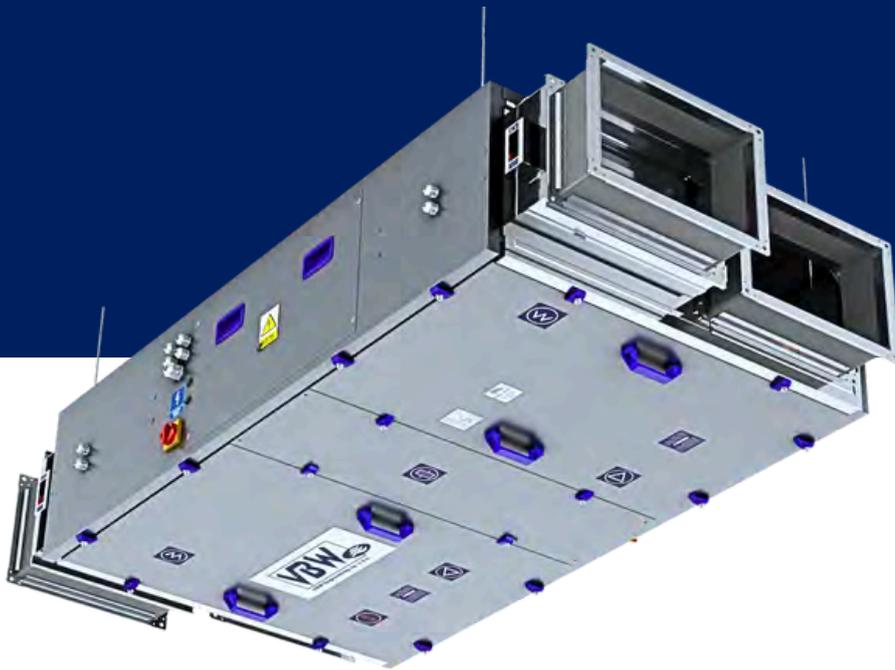




SPS COMPACT R

Compact device
with rotary heat exchanger



SPS COMPACT R

The SPS COMPACT R air handling unit is a compact device with a rotary heat exchanger.

The product line includes 5 sizes with capacities from 150 to 3880 m³/h. The device is designed for indoor installation in a suspended or lying system on legs.

The unit is delivered to the customer as a standard ready-to-use unit. With an innovative self-supporting design, we put all the necessary components in a small, compact case. There is a built-in power and control switchgear, full internal wiring (operating in Plug & Play system) and intuitive automation.



Size

5



Air flow [m³/h]

150 – 3 880



Compact device



Rotary heat exchanger



Internal execution



Self-supporting construction

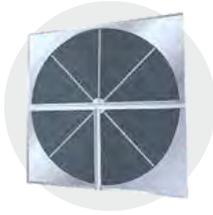


Suspend or standing device

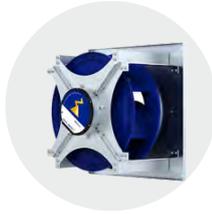


Plug&Play system

Device components



Rotary heat exchanger



Energy-saving fans with EC motors (IE4)



Panel filters



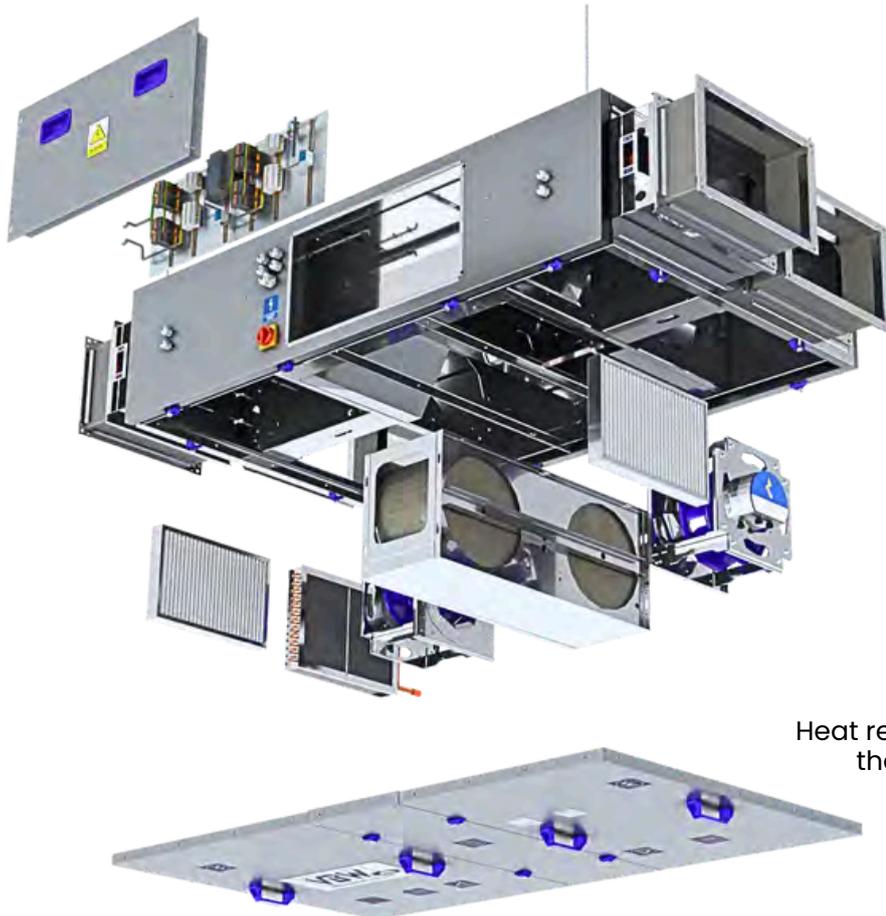
PTC electric or water heater



Convenient flexible connections



Fully internally wired, Plug & Play



82%

Heat recovery efficiency due to the rotary heat exchanger.

Basic information



Case

- The air handling unit is made in self-supporting technology without aluminum profiles
- The external covers of the air handling unit are made of coated sheet Magnelis ZM310, the internal ones are made of galvanized sheet
- Internal execution in a suspended or lying system on legs
- 30mm thick device insulation
- Panel type housing consisting of removable covers
- The lower and upper covers are mounted on convenient hinges.
- Flexible connection stubs finished with a P30 frame (eliminate vibrations and noise transmitted in ventilation systems)



Heater

- Water heater
- Connections flush with the inner surface of the unit cover ensuring compactness and safety during transport
- Small dimensions in relation to heating power
- PTC electric heater (option)



Filters

- ISO ePM10 50% (M5)
- ISO ePM1 70% (F7)
- ISO ePM1 85% (F9)



Heat recovery

- Rotary heat exchanger
- Heat recovery efficiency up to 82%



Automation

- Power and control switchboard integrated with the device
- Cooperation of the device with external elements
- Plug&Play automation with internal wiring



Fans

- Highly efficient EC motors
- Engine operation in the optimal speed range
- Reduced heat generation



Additional sections

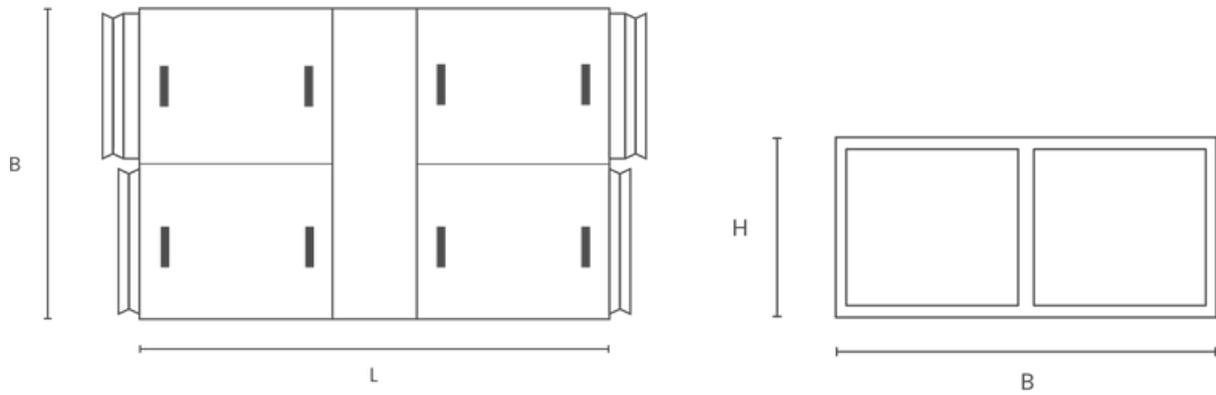
(the device can be expanded with additional cooperating sections)

- Water/freon cooler section
- Humidification section
- Damping section
- Secondary filtration section



Plug&Play

Technical data



Size		R-NANO	R-MINI	R-1	R-3	R-4	
Air flow	min.	150	300	450	810	1080	
	max.	500	1100	1650	2700	3880	
External static pressure	[Pa]	150/150	300/300	450/450	500/500	600/600	
Max. heat recovery efficiency	[%]	82,0	82,0	81,6	81,9	84,7	
Weight	[kg]	152	194	271	346	499	
Dimensions	L	1 300	1 700	1 750	2 050	2 300	
	B	800	1 000	1 560	1 560	2 180	
	H	300	395	395	495	495	
Insulation thickness	[mm]			30			
Connections size	[mm]	300x200	400x300	700x300	700x400	1000x400	
Energy consumption	engine power	[kW]	0,17	0,17/0,5	0,5/0,78	0,78/1,35	1,35/2,5
	max. power of electric heater	[kW]	3	6	12	15	24
	max. power of water heater	[kW]	9,9	20,9	30,6	28,1	39,6
Motor power (max.)	[A]	2x1,7/2x2,5	2x2,5/2x4	4x2,5/4x4	2x4/2x6,7	2x6,7/2x4	
Voltage	[V,Hz]			3-400, 50			
Filters		ISO ePM10>50% (M5) ISO ePM1>70% (F7)					

