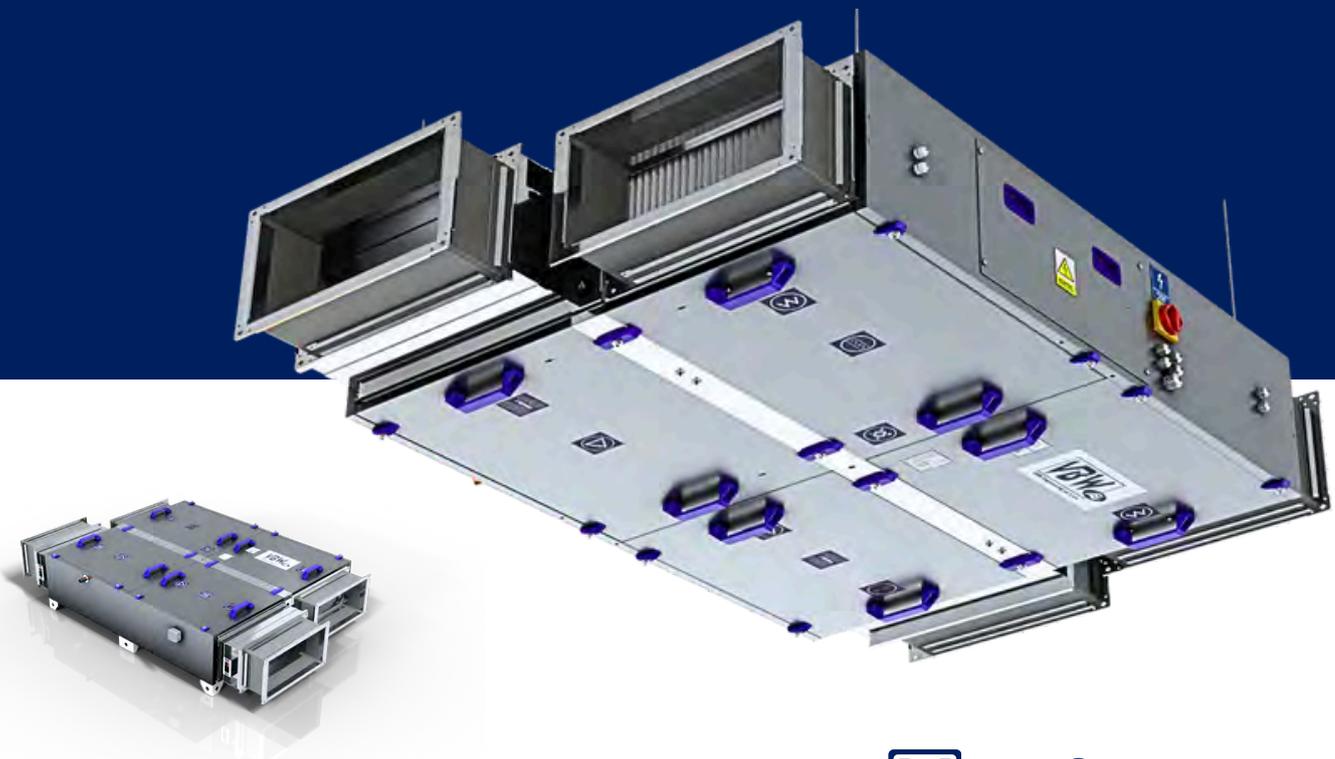




# SPS COMPACT H

Compact device  
with counterflow heat exchanger



## SPS COMPACT H

The SPS COMPACT H air handling unit is a compact device with a high-efficiency counterflow heat exchanger.

The product line includes 6 sizes with capacities from 300 to 4500 m<sup>3</sup>/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

6



Air flow [m<sup>3</sup>/h]

300 – 4 500



Compact device



Counterflow heat exchanger



Internal execution



Self-supporting construction

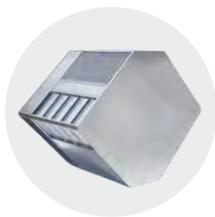


Suspending device

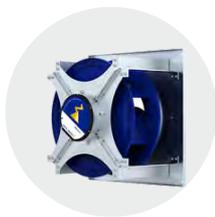


Plug&Play system

# Device components



Highly efficient counterflow heat exchanger



Energy-saving fans with EC motors (IE4)



Panel filters



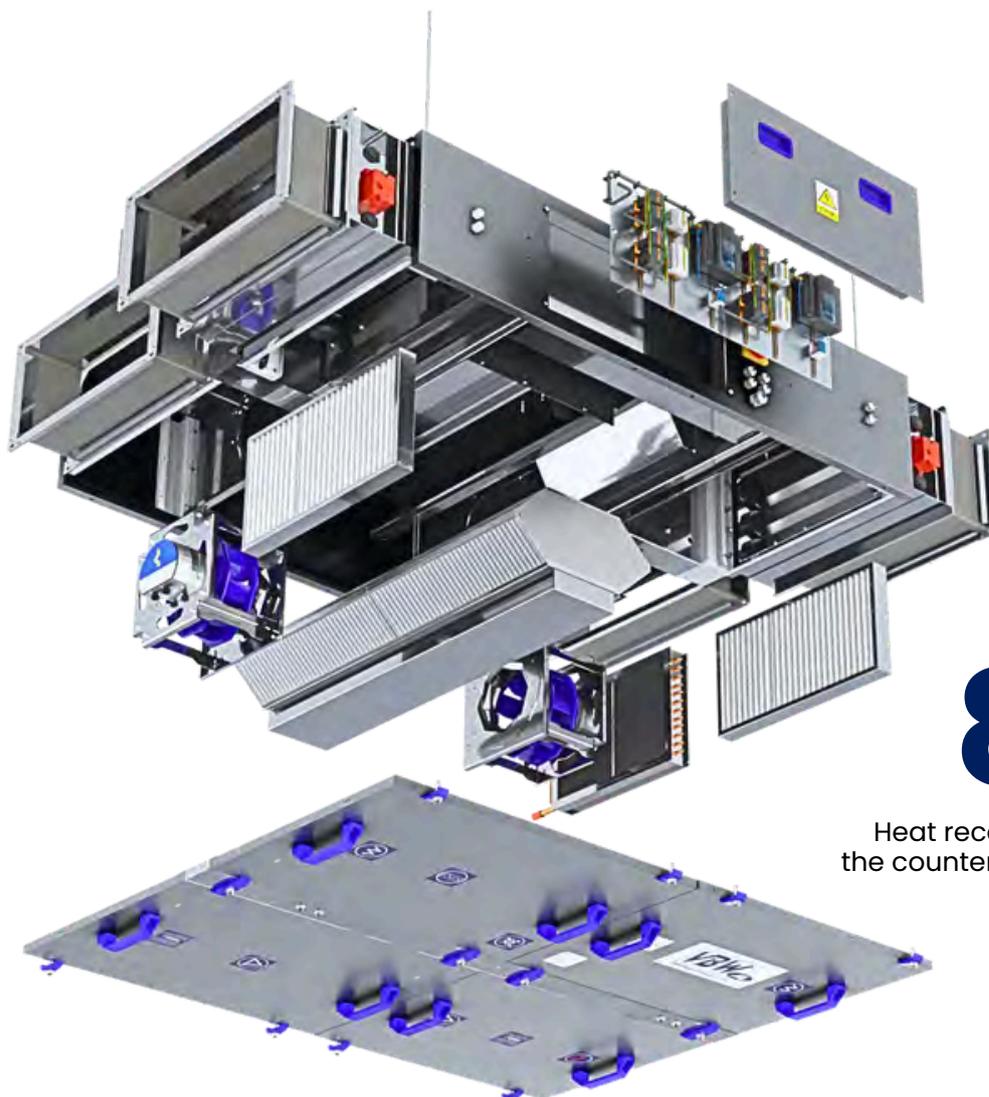
PTC electric or water heater



Convenient flexible connections



Fully internally wired, Plug & Play



# 85%

Heat recovery efficiency due to the counter-flow 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 Coarse >65% (G4)
- ISO ePM10 50% (M5)
- ISO ePM1 70% (F7)



## Heat recovery

- Counterflow heat exchanger
- Heat recovery efficiency up to 85%



## 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

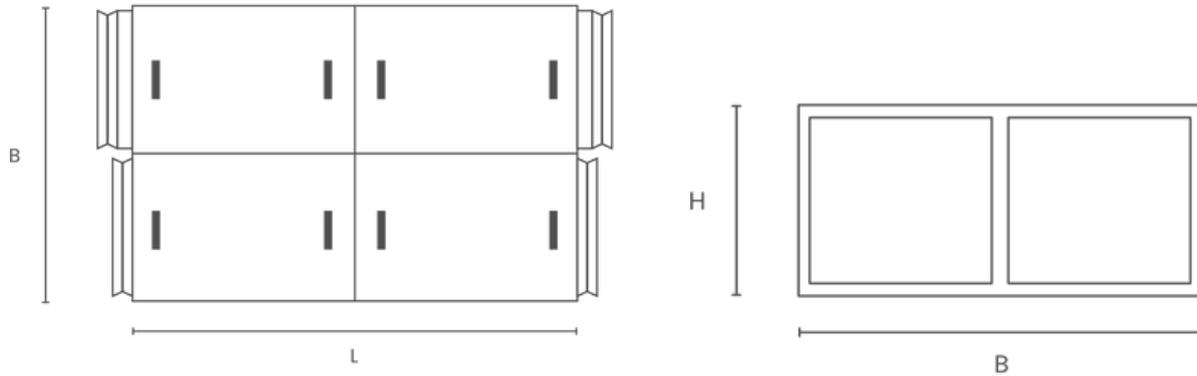
*(the device can be expanded with additional cooperating sections)*

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



**Plug&Play**

# Technical data



Size			H-MINI	H-1	H-2	H-3	H-4	H-5
<b>Air flow</b>	min.	[m <sup>3</sup> /h]	300	300	800	600	1200	3600
	max.		1000	2000	3000	2500	3750	4500
<b>External static pressure</b>		[Pa]	250/250	350/350	450/450	450/450	500/500	500/500
<b>Max. heat recovery efficiency</b>		[%]	84,2	84	84,8	84,7	84,7	84,6
<b>Weight</b>		[kg]	190	260	325	295	360	410
<b>Dimensions</b>	L	[mm]	1700	1700	1700	1800	1800	1800
	B	[mm]	1000	1560	2180	1560	2180	2700
	H	[mm]	395	395	395	495	495	495
<b>Insulation thickness</b>		[mm]	30					
<b>Connections size</b>		[mm]	400x300	700x300	1000x300	700x400	1000x400	1250x400
<b>Energy consumption</b>	engine power	[kW]	0,17/0,5	0,5/0,78	0,5/0,78	0,78/1,35	1,35/2,5	2,5
	max. power of electric heater	[kW]	6	12	12	15	24	30
	max. power of water heater	[kW]	9,9	20,9	30,6	28,1	39,6	43
<b>Motor power (max.)</b>		[A]	2x1,7/2x2,5	2x2,5/2x4	4x2,5/4x4	2x4/2x6,7	2x6,7/2x4	2x4
<b>Voltage</b>		[V,Hz]	3-400, 50					

## Filters

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

