

BO Vesta H

Compact unit
with a counterflow heat exchanger



BO Vesta H

The BO VESTA H air handling unit is a compact unit equipped with a high-efficiency counterflow heat exchanger. The product line includes 5 sizes with airflow capacities ranging from 300 to 6,000 m³/h.

The unit is designed for indoor installation in a floor-standing configuration. Its compact dimensions allow installation in confined spaces. The unit is equipped with top connections for flexible ventilation ducts. It is also available in a swimming pool version and in a version with a heat pump.

As standard, the unit is delivered as a complete, ready-to-operate system. Thanks to its 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 manufacturer-supplied controls.



Compact
unit



Counterflow
heat exchanger



Indoor
installation



Self-supporting
design



Floor-standing
unit



System
Plug&Play



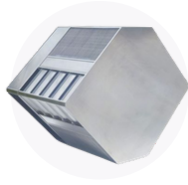
size **5**



airflow
capacity

300 · 6 000 m³/h

Elementy urządzenia



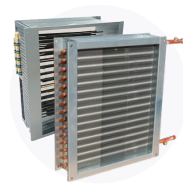
Counterflow heat exchanger



Energy-efficient EC fans (IE4)



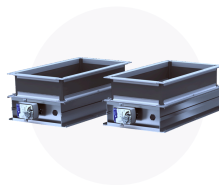
Panel filters



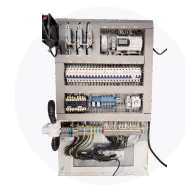
PTC electric or water heater



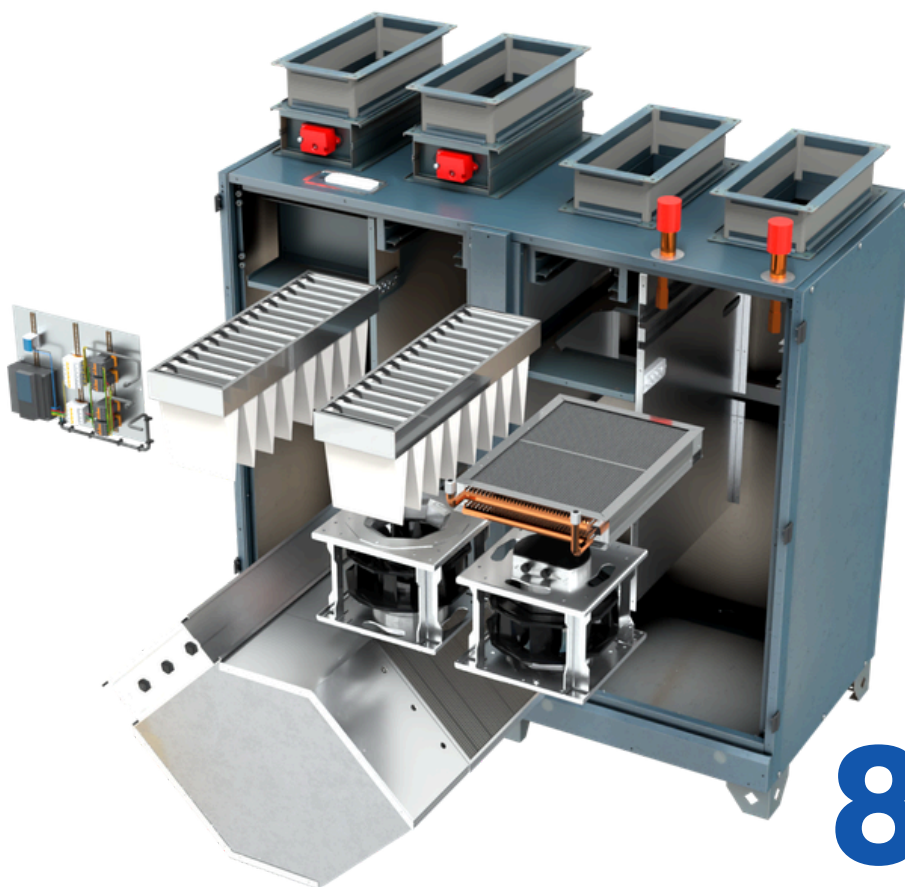
Heat pump (optional)



Flexible ducts from above



Full internal wiring Plug & Play



87%

heat recovery efficiency thanks to the use of a **counterflow** heat exchanger

Basic information



Casing

- The unit is made using self-supporting technology without aluminum profiles
- The external panels of the air handling unit are made of Magnelis ZM310 coated steel sheet; the internal panels are made of galvanized steel sheet
- Indoor version
- Ventilation duct and electrical connections from the top of the unit
- 50 mm thick unit insulation



Heat recovery

- Counterflow heat exchanger
- Heat recovery efficiency up to 87%



Fans

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



Filters

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



Heater

- Hot water coil
- Connection spigots flush with the internal surface of the unit casing, ensuring compact dimensions and transport safety
- Compact dimensions in relation to heating capacity
- Electric PTC heater (optional)



Automation

- Power and control panel integrated with the unit
- Unit cooperation with peripheral devices
- Plug & Play controls with internal wiring

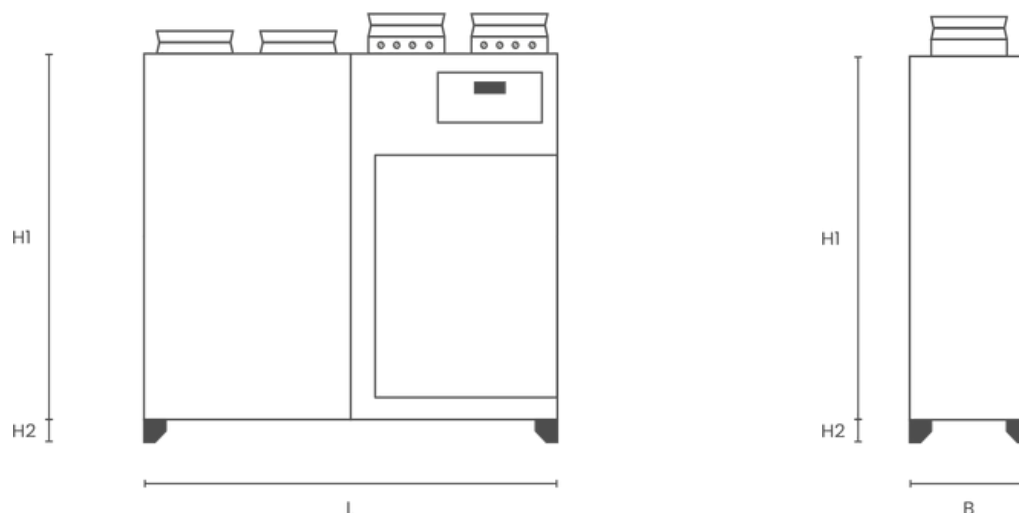


Additional sections

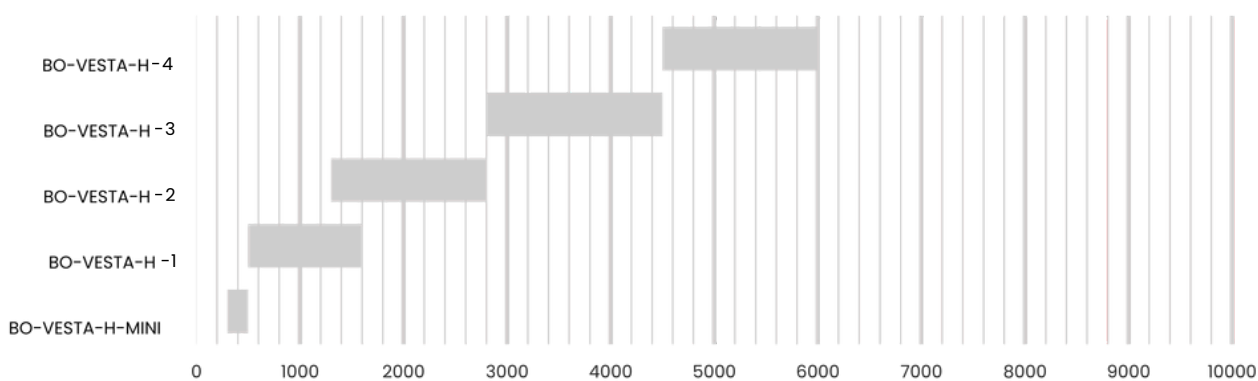
- Heat pump section (sizes 2-4)
- Reversible heat pump section (sizes 2-4)
- Recirculation section
- In-duct water cooling coil section
- Swimming pool version (sizes 1-4)



Technical data



unit size		MINI	H-1	H-2	H-3	H-4	
airflow range	min.	300	500	1300	2800	4500	
	max.	500	1600	2800	4500	6000	
available external static pressure	[Pa]	300	300	300	300	300	
heat recovery efficiency	[%]	83,7	86,5	82,9	81	80,7	
weight	[kg]	85	237	470	630	843	
dimensions	L	[mm]	1100	1600	2 050	2 200	2300
	B	[mm]	550	750	950	1150	1300
	H1	[mm]	600	1 350	1 600	1 650	1850
	H2	[mm]	100	100	100	100	100
insulation	[mm]			50			
connection size	[mm]	fi 200	450x200	600x300	800x400	1000x400	
power consumption	fan motor power	[kW]	0,17	0,5/0,78	0,78/1,35	1,35/2,5	2,5/2,5
	maximum electric heater power	[kW]	3	12	18	24	27
	maximum water heater capacity	[kW]	-	3,8	8,7	16,6	25
maximum motor current	[A]	2x1,7	2x2,5/2x4	2x3,9/2x6,7	2x6,8/2x4	2x4/2x4	
filters	[V,Hz]			3-400, 50			
unit size		ISO Coarse>65% (G4)		ISO Coarse>65% (G4) ISO ePM10>50% (M5) ISO ePM1>70% (F7)			



Air tailored to **your** needs



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