



BO VESTA R

Compact device
with rotary heat exchanger



BO VESTA R



4

Size

The BO VESTA R air handling unit is a compact device with a rotary heat exchanger. The product line includes 4 sizes with a capacity of 500 to 5000 m³/h.

The device is designed for indoor installation in a standing system. The compact dimensions of the device allow for installation in small spaces. Additionally, the unit has connections for flexible ventilation ducts from the top.

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.



Air flow [m³/h]

500 – 5 000



Compact device



Rotary heat exchanger



Internal execution



Self-supporting construction



Standing device

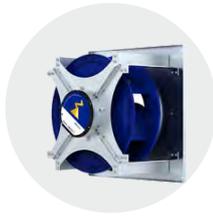


Plug&Play system

Device components



Highly efficient counterflow heat exchanger



Energy-saving fans with EC motors (IE4)



Panel filters



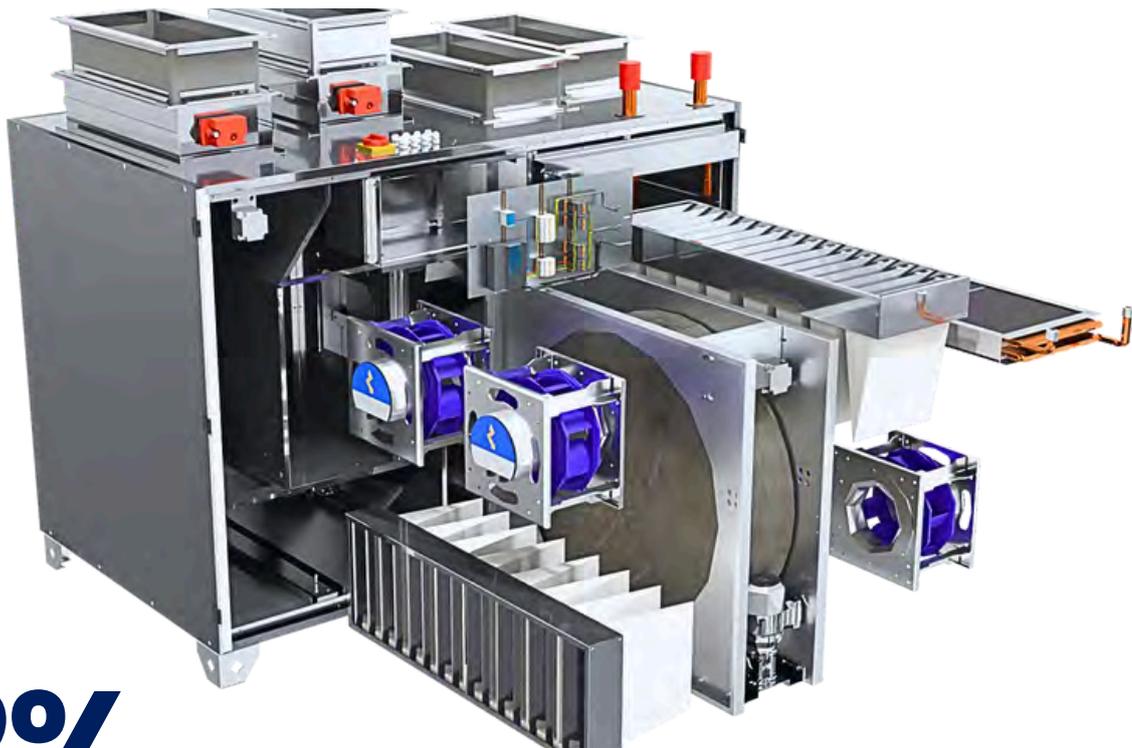
PTC electric or water heater



Flexible ventilation channels (from the top of the device)



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 or external execution
- 50mm thick device insulation
- Connecting the ventilation ducts and electricity from the top of the device



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

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



Fans

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



Automation

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



Additional sections

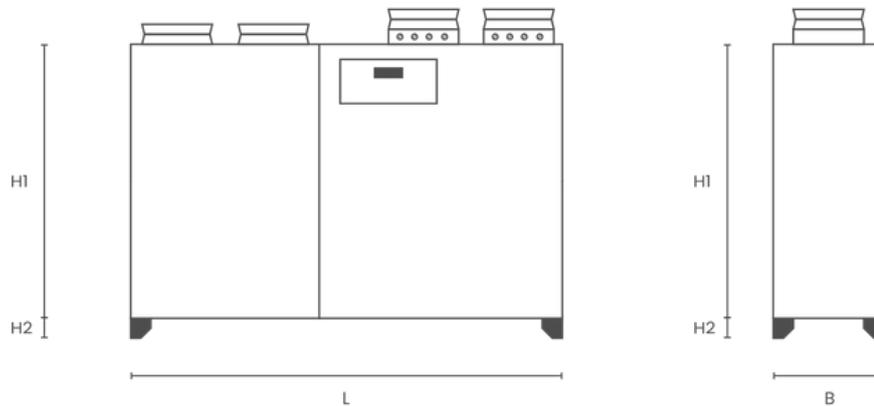
(the device can be expanded with additional cooperating sections)

- Channel section of water/freon cooler



Plug&Play

Technical data



Size			R-1	R-2	R-3	R-4
Air flow	min.	[m³/h]	500	900	1450	2100
	max.		1200	2100	3500	5000
External static pressure		[Pa]	300	300	400	400
Max. heat recovery efficiency		[%]	81,1	80,8	80,3	80,1
Weight		[kg]	183	267	360	439
Dimensions	L	[mm]	1 500	1 700	1 800	2 050
	B	[mm]	750	900	1 100	1 200
	H1	[mm]	900	1 100	1 250	1 400
	H2	[mm]	100	100	100	100
Insulation thickness		[mm]	50			
Connections size		[mm]	300x200	400x300	600x300	800x400
Energy consumption	engine power	[kW]	0,17/0,5	0,5/0,78	0,78/0,5/0,78	0,78/1,35
	max. power of electric heater	[kW]	6	12	21	27
	max. power of water heater	[kW]	3,8	7	10,3	15,5
Motor power (max.)		[A]	2x1,7/2x2,5	2x2,5/2x3,9	2x4/4x2,5/4x3,9	4x4/4x6,7
Voltage		[V,Hz]	3-400, 50			
Filters	ISO Coarse>65% (G4) , ISO ePM10>50% (M5), ISO ePM1>70% (F7)					

