



...more than **air**



BO VESTA **R**

COMPACT UNIT
WITH ROTARY HEAT EXCHANGER

www.vbw.pl

BO VESTA R

General information

The BO VESTA R air handling unit is a compact supply air and exhaust air device with rotary heat exchanger.

The product is available in 4 sizes covering the airflow range from 500 to 5000 m³/h.

The BO VESTA R air handling unit is designed for small objects. The air handling unit has a self-supporting structure and the duct connection on the top witch saves floor area. AHU-s configuration is available in left and right version.

The BO VESTA R air handling unit is delivered as complete device, equipped with full automatic power supply and control with internal wiring, operating in the Plug&Play system. This solution ensures that the customer receives a device that is ready to work immediately after initial configuration, connecting the necessary external accessories and supply voltage.

4

SIZE BASIC

up to
82% EFFICIENCY
HEAT RECOVERY

EFFICIENCY [m³/h]
500 - 5000



Rotary heat exchanger



Indoor unit



Self-supporting construction



Compact dimensions



Energy efficient device



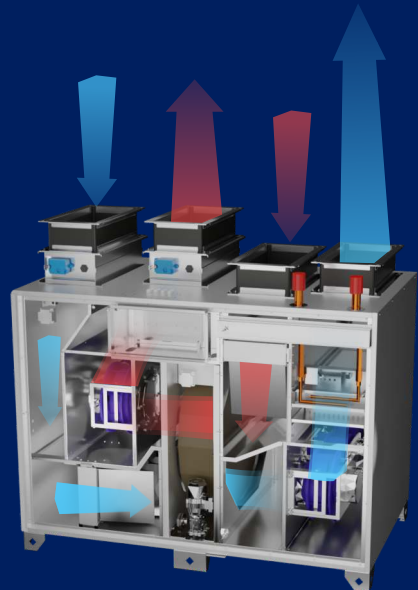
Plug&Play automation (standard)



Execution with a heat pump (size 2-4 option)



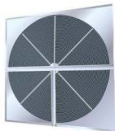
Execution pool *option



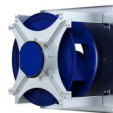
Technical Specifications

- 4 basic sizes
 - Air flow range from 500 to 5000 m³/h
 - Rotary heat exchanger
 - Heat recovery efficiency up to 82%
 - Internal version (standing on legs)
 - Panel filters:
 - ISO Coarse 65% (G4)
 - ISO ePM10 65% (M5)
 - ISO ePM1 50% (F7)
 - Insulation - 50mm (Glass mineral wool - reaction to fire A1 (non-combustible))
 - Panels coated by the Magnelis Zm310
 - Highly energy efficient EC fans (Ie4)
 - PTC electric heater / water heater
 - Connection of ventilation ducts and electrics from the top of the device
 - Power and control switchgear cabinet installed inside the AHU
 - Plug&Play automation
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- **Additional sections** (the device can be enriched with additional cooperating sections)
 - Water/ freon cooling coil

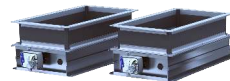
Elements of the device BO VESTA² R



Rotary heat exchanger



Highly energy efficient EC fans (Ie4)



Duct connections (located on top of the device)



Panel filters



PTC electric heater or water heater



Plug&Play automation

Application



SCHOOLS & KINDERGARTEN



OFFICES & MEETING ROOMS



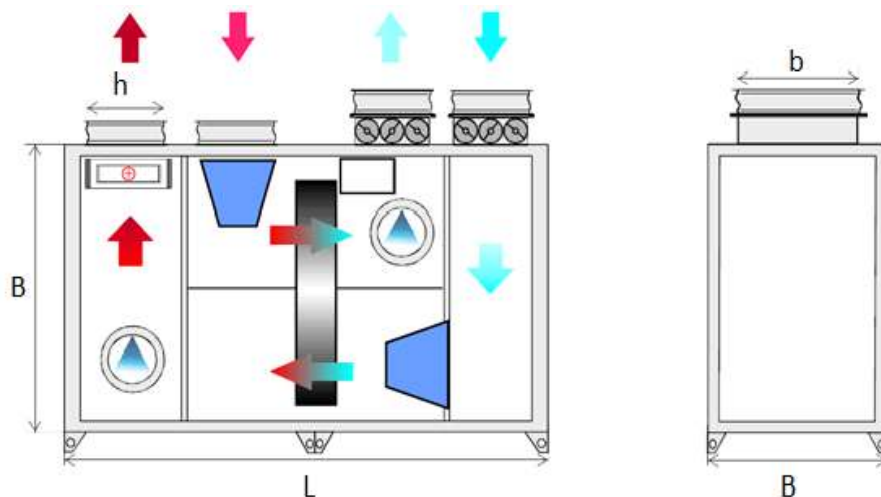
GYM & EXERCISE ROOMS

Technical data

SIZE OF UNITS			R1	R2	R3	R4
AIR VOLUME		[m³/h]	500-1200	900-2100	1450-3500	2100-5000
EXTERNAL STATIC PRESSURE		[Pa]	300	300	400	400
MAXIMUM HEAT RECOVERY EFFICIENCY		[%]	81,1	80,8	80,3	80,1
WEIGHT		[kg]	183	267	360	439
DIMENSIONS	L	[mm]	1500	1700	1800	2050
	B	[mm]	750	900	1100	1200
	H	[mm]	900	1100	1250	1400
INSULATION		[mm]	50			
COIL CONNECTIONS SIZE	b x h	[mm]	300x200	400x300	600x300	800x400
POWER CONSUMPTION	ENGINE POWER	[kW]	2x0,17/2x0,5	2x0,5/2x0,78	2x0,78/4x0,5/4x0,78	4x0,78/4x1,35
	POWER OF ELECTRIC HEATER (max)	[kW]	6	12	21	27
	POWER OF WATER HEATER (max)	[kW]	3,8	7	10,3	15,5
MAXIMUM SUPPLY FUN CURRENT		[A]	2x1,7/2x2,5	2x2,5/2x3,9	2x4/4x2,5/4x3,9	4x4/4x6,7
DEVICE POWER SUPPLY		[V,Hz]	3-400, 50			
SOUND LEVEL		[dBa]	45,3	43,2	46,4	54,4

FILTERS

ISO Coarse>85% (G4) ,
ISO ePM10>50% (M5),
ISO ePM1>70% (F7)



*the manufacturer reserves the right to update the data and photos in the catalogue.
*photos presenting the offered product are for illustrative purposes only.

Plug&Play System

The idea behind the control panels with the Plug&Play automation system is to produce and deliver to the customer a device ready for operation immediately after connecting the necessary external accessories and supply voltage.

Our offer includes the possibility of equipping the device with factory and proprietary automation systems. In this case, the devices have internal wiring and a power supply and control switchgear.

This solution ensures easy and quick commissioning of the device and immediate readiness to work on the site.

Advantages Plug&Play system

- + Reduced assembly time and commissioning (cost reduction)
- + Commissioning of the control panel without interruption
Factory configuration and full wiring guaranteed trouble-free operation
- + Electrical connection made and checked by qualified technicians
- + Certified cables, electrical terminals, certified boxes and cable connections



PREMIUM+ Automation

Discover the full possibilities of the proprietary automation system



Full control over device



Optimization of work and incurred running costs



Access to the device 24/7 (Remote Service Center)



Ability to send Email & SMS notifications



Reminding about inspections



Device integration cooperating with exchanges



Individual graphics developed on projects building



Intelligent systems energy management



Internet compatibility access from anywhere in the world



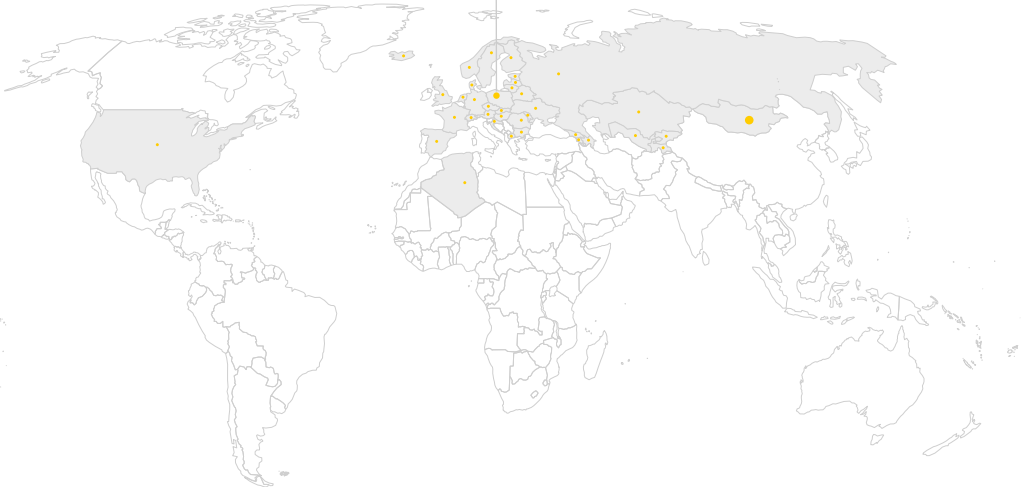
Smart Homes integrated systems smart home

*additional options possible when selecting the device.

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