



...more than **air**



# BO - CK

**DEHUMIDIFIER**  
WITH HEAT RECOVERY EXCHANGER

[www.vbw.pl](http://www.vbw.pl)

## Dehumidifier

# BO – CK

### Basic information

The **BO-CK sorption** air dryer is an innovative device used in ventilation installations, where one of the most important processing parameters is maintaining a low level of process air humidity. Reduced air humidity in many cases determines the quality of products, reliability and efficiency of production and packaging processes.

The dehumidifier works on the principle of absorbing moisture through a specially prepared rotor based on an adsorbent. The rotor is insensitive to long periods of standstill of the dehumidifier, which means that even full moisture saturation does not affect the efficiency of the device.

The dehumidifier works with two air streams of different sizes. The larger air flow (process air) is dried as it passes through the dryer, while the smaller air flow (regeneration air) is used to take the accumulated moisture and throw it outside the dryer.

# 7

BASIC SIZES

AIR FLOW RANGE [m<sup>3</sup>/h]  
**1400 – 8000**



Rotor with gel silica



Drainage adsorption



Self-supporting construction



Indoor execution



Energy saving device

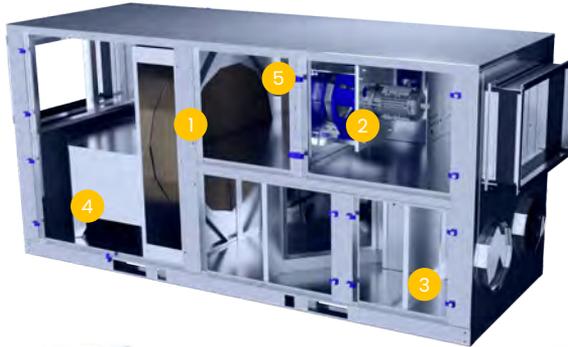


Plug&Play automation (option)



# Technical Specifications

- 7 basic quantities
- Device capacity from 1,400 to 8,000 m<sup>3</sup>/h
- Rotor with silica gel, environmentally friendly
- Self-supporting structure
- High drying efficiency thanks to the use of a rotor with excellent moisture adsorption
- Reducing energy demand due to the use of a highly efficient recuperator
- Consistent performance over a very wide range of air humidity and temperature
- Internal installation (standing on legs)
- Process and regeneration air filters
- Highly resistant Magnelis ZM310 coated housing plating
- Device insulation 50 mm thick (class A1 non-flammable wool)
- Energy-saving and quiet EC motors in IE4 class
- Optional: Plug&Play automation



1 Rotor with gel silica



2 Highly energy efficient EC fans (IE4)



3 Panel filters



4 PTC electric heater or water heater



5 Plug&Play automation



## Application



Maritime/fuel industry



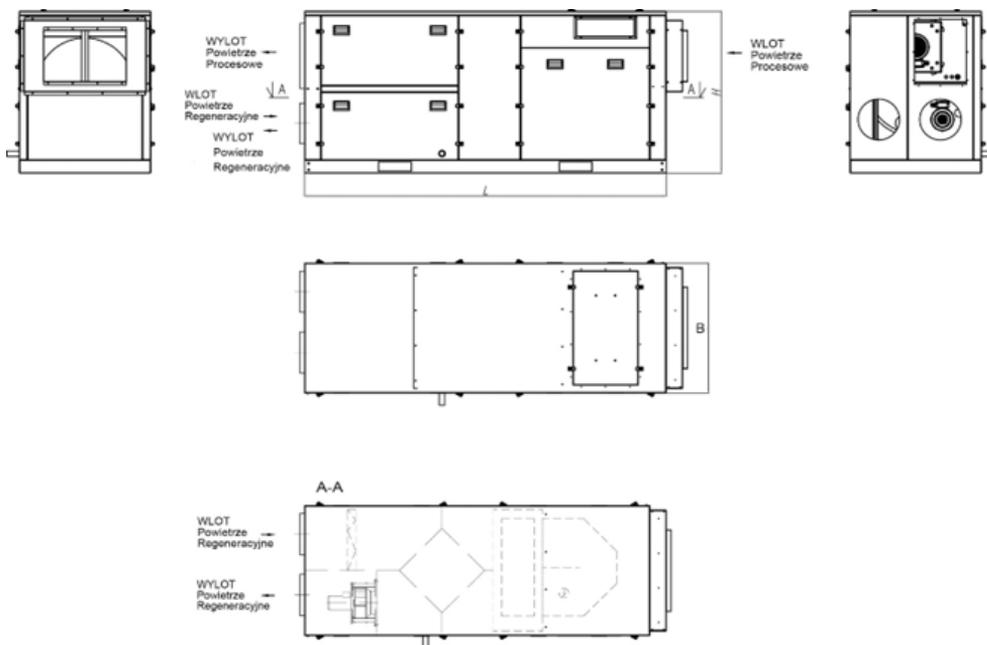
Chemical and pharmaceutical industry



Food industry

## Technical data

Model	Efficiency dehumidification	Air process	Air regenerative	Energy consumption	Weight
	[kg/h]	[m <sup>3</sup> /h]	[m <sup>3</sup> /h]	[kw]	[kg]
BO-CK 1400 SP	10,1	1400	500	10,5	290
BO-CK 2400 SP	16,5	2400	800	19,5	290
BO-CK 3400 SP	20,5	3400	1000	19,5	290
BO-CK 4500 SP	30	4500	1500	29,2	350
BO-CK 5000 SP	31,4	5000	1550	29,5	350
BO-CK 6000 SP	36,7	6000	1700	33	470
BO-CK 8000 SP	50,6	8000	2500	45,8	550



\*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 (optional)

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



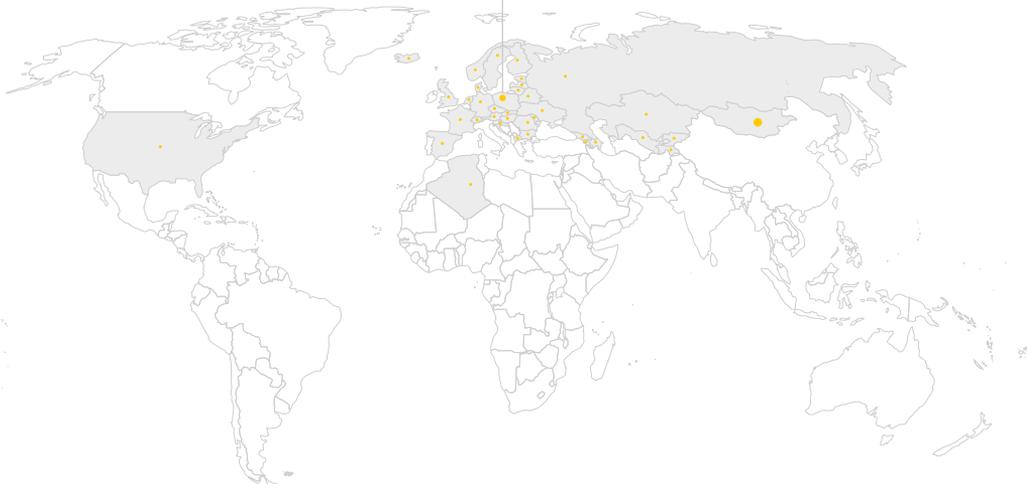
Smart Homes integrated systems smart home

\*additional options possible when selecting the device.

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