

SPS

Sectional air handling units
for suspended installation





AIRFLOW [m³/h]

300 – 5 400



AVAILABLE UNIT
SIZES

5



HEAT RECOVERY

even

85%

A unit tailored to your needs



Indoor installation



Suspended unit



Cross-flow or counter-flow heat exchanger



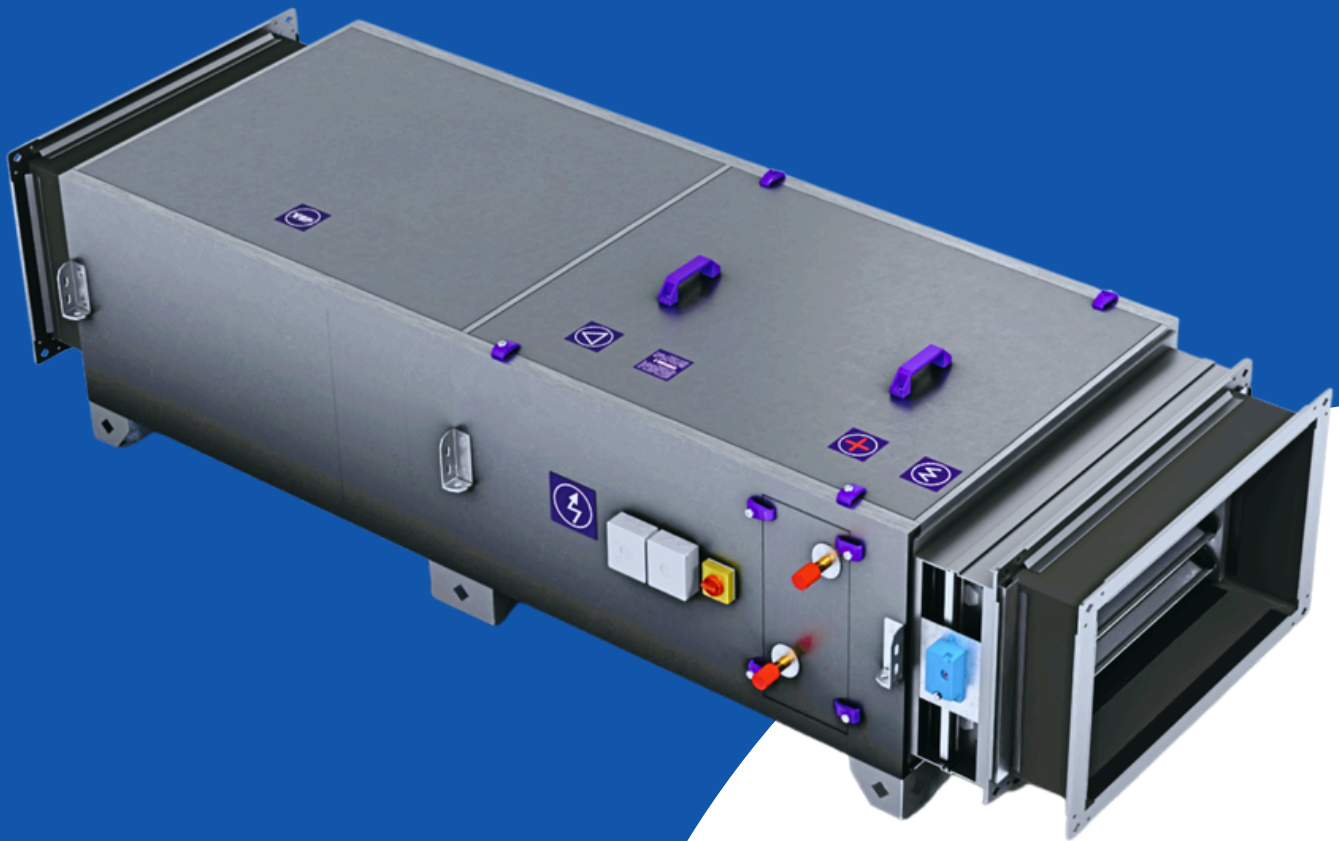
Wide range of components



Custom unit configuration



Smart automation system



PRODUKT Z ATESTEM
Nr B BK.60112.0108.2023
ważny do: 2028.05.18

SPS

General information

The SPS air conditioning and ventilation unit is a sectional device designed for suspended installation. It is intended for indoor use and features high selection flexibility to meet individual customer requirements.

The product line includes 5 basic sizes, covering a flow range from 300 to 5,400 m³/h. The unit is available in standard, swimming pool, and hygienic versions.

Technical specification

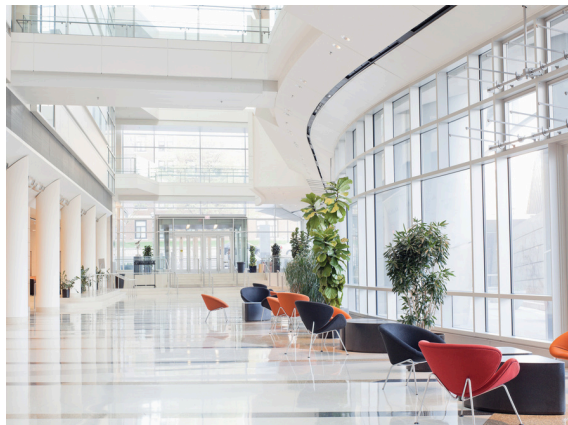
- **Basic sizes:** 5
- **Capacity:** from 300 to 5400 m³/h
- **Installation:** indoor
- **Mounting:** suspended
- **Construction:** sectional
- **Special versions:** swimming pool / hygienic
- **Heat recovery:** cross-flow/counter-flow exchanger
- **Filter classes:** ISO Coarse 65% (G4) / ISO ePM10 50% (M5) / ISO ePM10 70% (F7) / ISO ePM10 85% (F9)
- **Insulation:** 50mm thick (non-flammable wool class A1)
- **Certificates and approvals:** PZH, ISO 9001
- **Casing:** highly resistant, coated Magnelis Zm310
- **Access panels:** removable, facilitating access to the device for operation and maintenance
- **Fans:** high-efficiency EC motors (IE4 class)

Additional options:

- Placement on legs
- Custom Made – device configuration to individual customer requirements.

Application

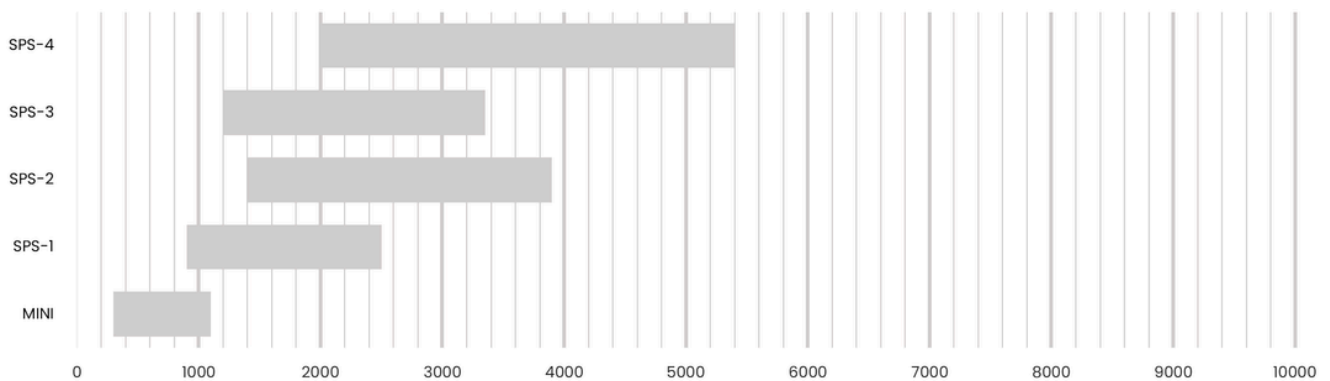
- Industrial and production halls
- Commercial facilities: office buildings, hotels
- Public institutions and facilities
- Recreation and sports centers




Technical data

| size of the headquarters | | MINI | SPS-1 | SPS-2 | SPS-3 | SPS-4 |
|----------------------------------|------------------------------------------------------------------------------------|----------|----------|----------|-----------|----------|
| expense range | min. | 300 | 900 | 1400 | 1200 | 2000 |
| | max. | 1100 | 2500 | 3900 | 3350 | 5400 |
| dimensions | B | 500 | 780 | 1090 | 780 | 1090 |
| | H | 435 | 435 | 435 | 535 | 535 |
| insulation | | | | 50 | | |
| size of the nozzles | | 430X365 | 710X365 | 1020X365 | 710X465 | 1020X465 |
| energy consumption | engine power | 0,17/0,5 | 0,5/0,78 | 0,5/0,78 | 0,78/1,35 | 1,35/2,5 |
| | maximum power of the electric heater | 24 | 42 | 63 | 42 | 63 |
| | maximum power of the water heater | 14,1 | 35,3 | 55,1 | 47,3 | 73,4 |
| motor current (max.) | | 1,7 | 2,5/4,0 | 2,5/4,0 | 3,9/6,7 | 6,7/4,0 |
| mains power supply of the device | | 230 | 230 | 230 | 230 | 230/400 |
| filters | ISO Coarse 65% (G4) / ISO ePM10 50% (M5) / ISO ePM10 70% (F7) / ISO ePM10 85% (F9) | | | | | |

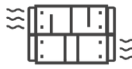
Performance table




Adjust the control panels to your needs




Device performance
Customize your unit's performance to meet your facility's specific requirements. Capacity reaches over 100,000 m³/h.



Device size
Adjust the size of the control panel and individual sections to the available space in the facility.



Device cover
Match the color, casing elements, and finishes to the specific requirements of your project.




Automation system
Gain full control over your device and customize your own automation system.


Flexible selection of functional sections



Counterflow heat exchanger section / MHR (hexagonal)



Cross-flow exchanger section




Fan assembly section




Heating section



Mixing section



Humidification section



Silencer section



Cooling section

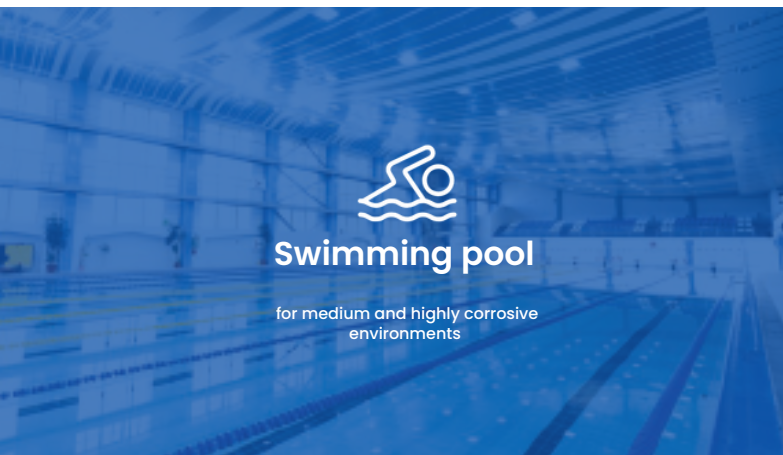


Filtration section



Glycol recovery system section

Special versions



Discover the full capabilities of the unit

with VBW Engineering proprietary automation



The proprietary VBW Engineering automation system provides full control over the unit operation and enables integration with building management systems.

We provide support in installation, cabling, selection of automation components and power/control switchgear.

If you expect more...

PREMIUM+ automation extends the capabilities of the standard control system with functions tailored to the requirements of the facility and the operating mode of the installation.

Discover the full potential of your unit

PREMIUM+ Automation



Full control over the unit



Optimization of operation and operating costs



Integration of units cooperating with air handling units



Individual graphics based on building design documentation



Intelligent energy management systems



Internet access from anywhere in the world



Integration with Smart Home systems

*additional options available during unit selection.

Air tailored to **your** needs



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