

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



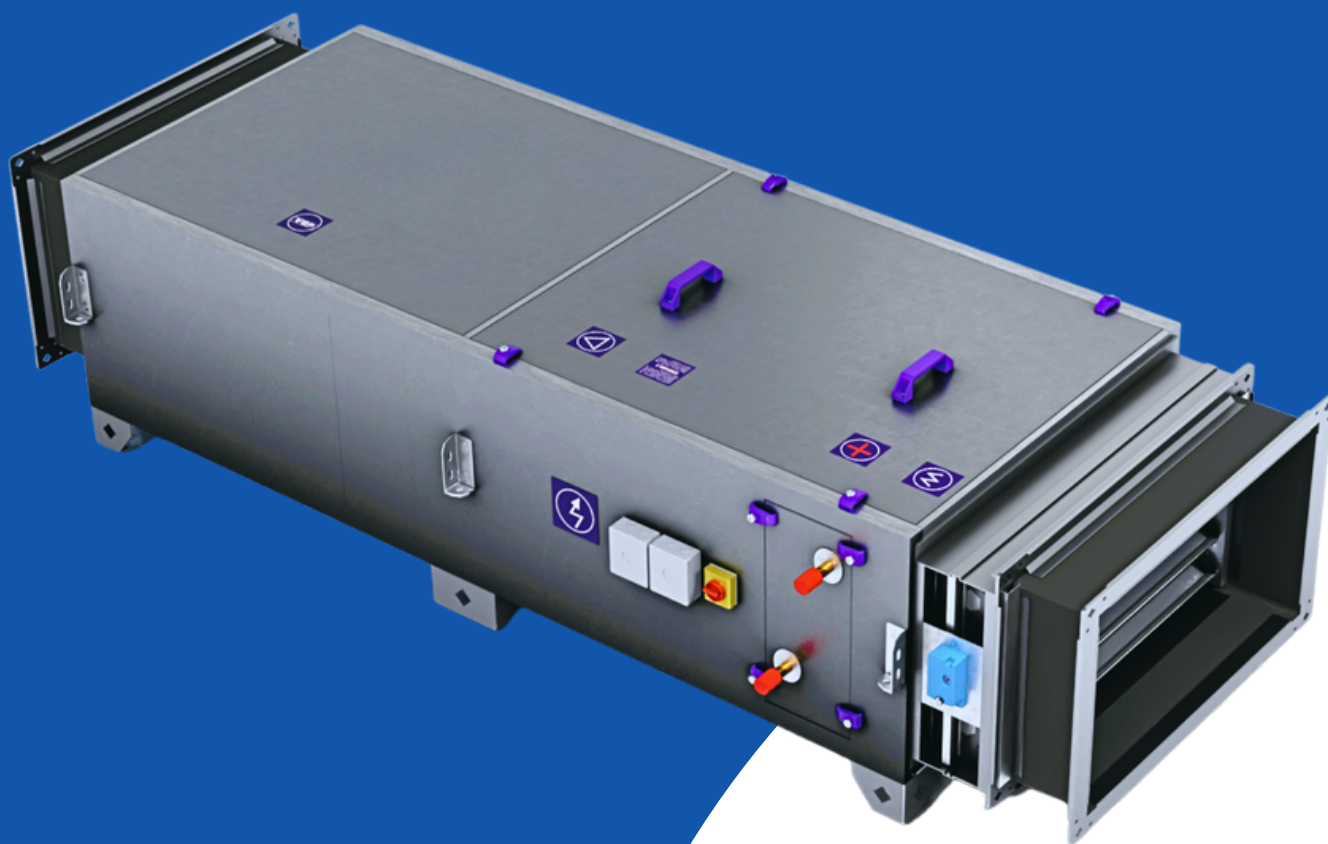
Wide range of
components



Custom unit
configuration



Smart
automation
system



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

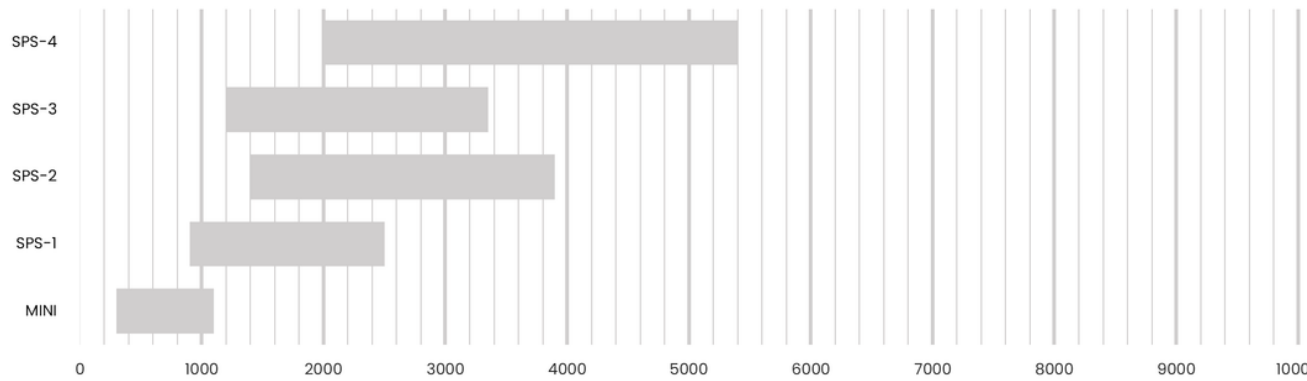
- Industrial and production halls
- Commercial facilities: office buildings, hotels
- Public institutions and facilities
- Recreation and sports centers



Technical data

size of the headquarters			MINI	SPS-1	SPS-2	SPS-3	SPS-4
expense range	min.	[m³/h]	300	900	1400	1200	2000
	max.		1100	2500	3900	3350	5400
dimensions	B	[mm]	500	780	1090	780	1090
	H	[mm]	435	435	435	535	535
insulation		[mm]	50				
size of the nozzles		[mm]	430X365	710X365	1020X365	710X465	1020X465
energy consumption	engine power	[kW]	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	[kW]	24	42	63	42	63
	maximum power of the water heater	[kW]	14,1	35,3	55,1	47,3	73,4
motor current (max.)		[A]	1,7	2,5/4,0	2,5/4,0	3,9/6,7	6,7/4,0
mains power supply of the device		[V,Hz]	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



Swimming pool

for medium and highly corrosive environments



Hygienic

for moderately aggressive environments with frequent condensation

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



Integration of units cooperating with air handling units



Full control over the unit



Optimization of operation and operating costs



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



+48 (58) 629 65 65



export@vbw.pl



ul. Chwaszczyńska 133D
81-571 Gdynia



www.vbw.pl