

SPS

Ceiling-suspended
modular air handling unit



EFFICIENCY [m³/h]

300 – 5400



SIZES

5

A switchboard tailored to you



Internal
execution



Suspended
device



Cross-flow or
counter-flow
exchanger



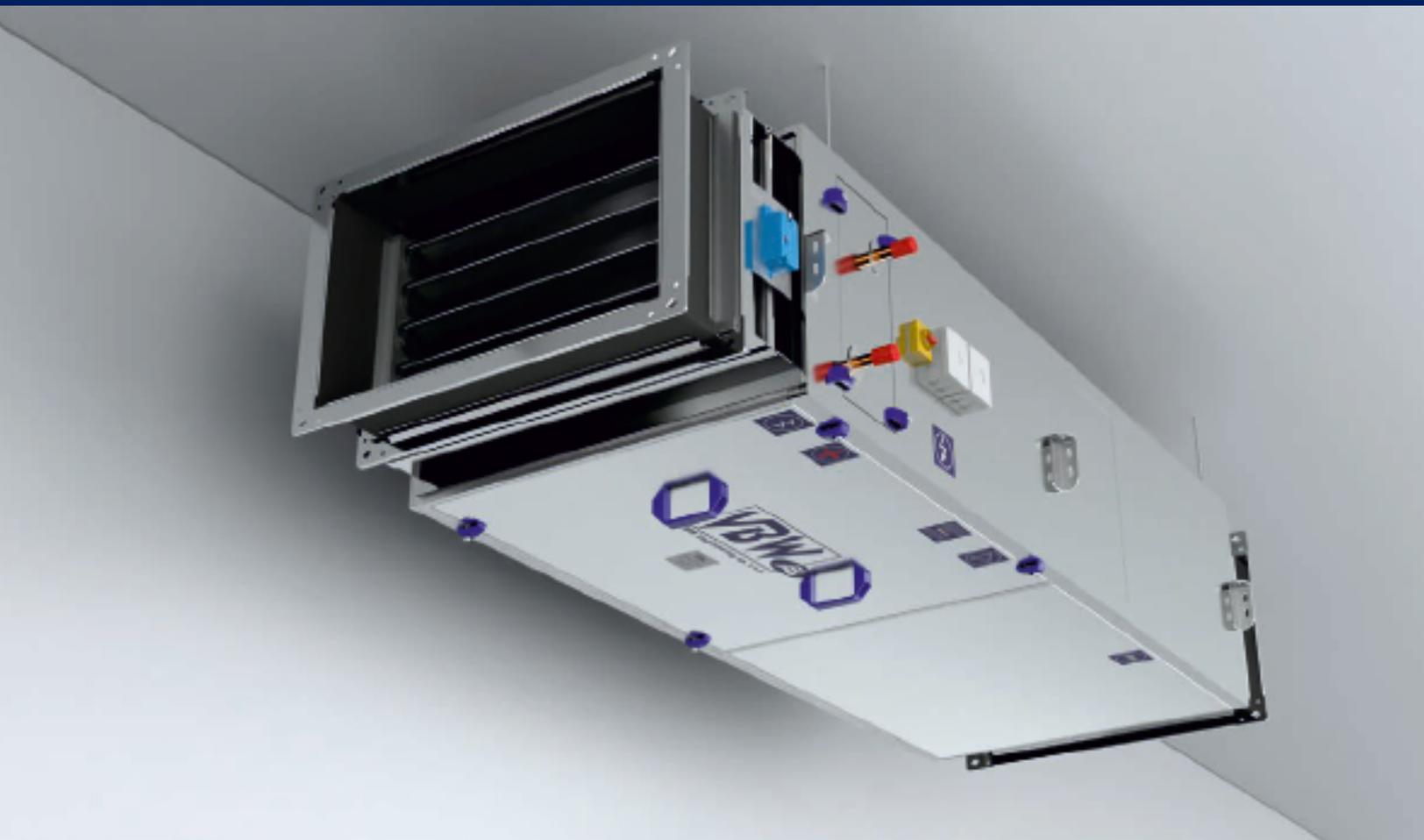
Wide range of
component selection



Individual device
configuration



Intelligent
automation system



SPS

General information

The SPS air handling unit is a modular, ceiling-suspended device designed for indoor installation. The unit stands out for its configuration flexibility, allowing it to be tailored to individual customer needs.

The product line includes 5 standard sizes, covering an airflow range from 300 to 5400 m³/h. The AHU is available in standard, swimming pool, and hygienic versions.

Technical Specification

- Basic sizes: 5
- Capacity: from 300 to 5400 m³/h
- Design: internal
- Foundation: Suspended
- Construction: sectional
- Special versions: swimming pool / hygienic
- Heat recovery: cross-flow / counterflow heat exchanger
- Filter classes: ISO Coarse 65% (G4) / ISO ePM10 50% (M5) / ISO ePM10 70% (F7) / ISO ePM10 85% (F9)
- Insulation: 50mm thick (non-flammable mineral wool, class A1)
- Certificates and approvals: PZH, ISO 9001
- Casing material: High-resistance coated Magnelis® ZM310
- Access panels: Removable, ensuring easy operation and maintenance access
- Fans: High-efficiency EC fans (IE4 class)

Additional options:

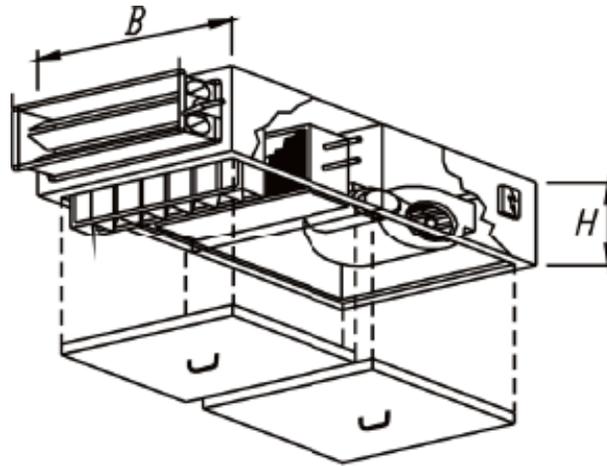
- Support legs for floor mounting
- **Custom Made** – configuration tailored to individual customer requirements

Application

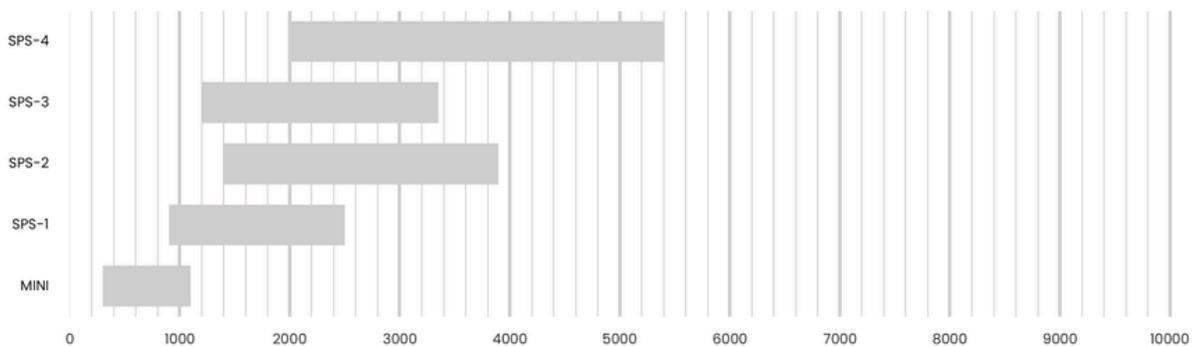
- Industrial and production halls
- Commercial buildings: office buildings, hotels
- Public institutions and facilities
- Sports and recreation centers



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 [mm]	500	780	1090	780	1090
	H [mm]	435	435	435	535	535
insulation	[mm]			50		
size of 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
	max. power of electric heater [kW]	24	42	63	42	63
	max. water heater power [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)					



Adjust the unit to your needs



Device performance

Tailor the unit's capacity to the individual requirements of your facility.



Device size

Adjust the unit size and individual sections to the available space in the facility.



Device cover

Customize the color, casing components, and finishes of the AHU to meet the specific requirements of your project.



Automation system

Get full control over your device and customize our proprietary control system to your needs.

Flexible selection of functional sections



Cross flow exchanger section



Counterflow exchanger section / MHR (hexagonal)



Fan assembly section



Mixing section



Heating section



Cooling section



Humidification section



Attenuation 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 potential of your device

Powered by VBW Engineering's proprietary automation.



Our proprietary automation system supports modern "Smart Home" solutions, providing our customers with full and intuitive control over their devices. Our experts offer comprehensive support, including installation and wiring between automation components and the power/control switchgear. Furthermore, we provide system commissioning, as well as full integration with third-party devices and other building systems.

PREMIUM+ Automation

Upon request, we provide units equipped with the PREMIUM+ automation system, tailored to meet specific customer requirements.



Full control over your device



Optimization of work and operating costs



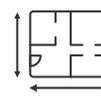
Access to the device 24/7 (Remote Service Center)



Reminders about inspections



Integration of devices cooperating with control panels



Individual graphics developed based on building designs



Possibility to send E-mail & SMS notifications



Intelligent energy management systems



Smart Homes integrated Smart home systems



Internet compatibility, access from anywhere on earth

*additional options available when selecting the device.

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