

Compact ventilation units

No big deal –
the new Helios AIR1® XVP series.



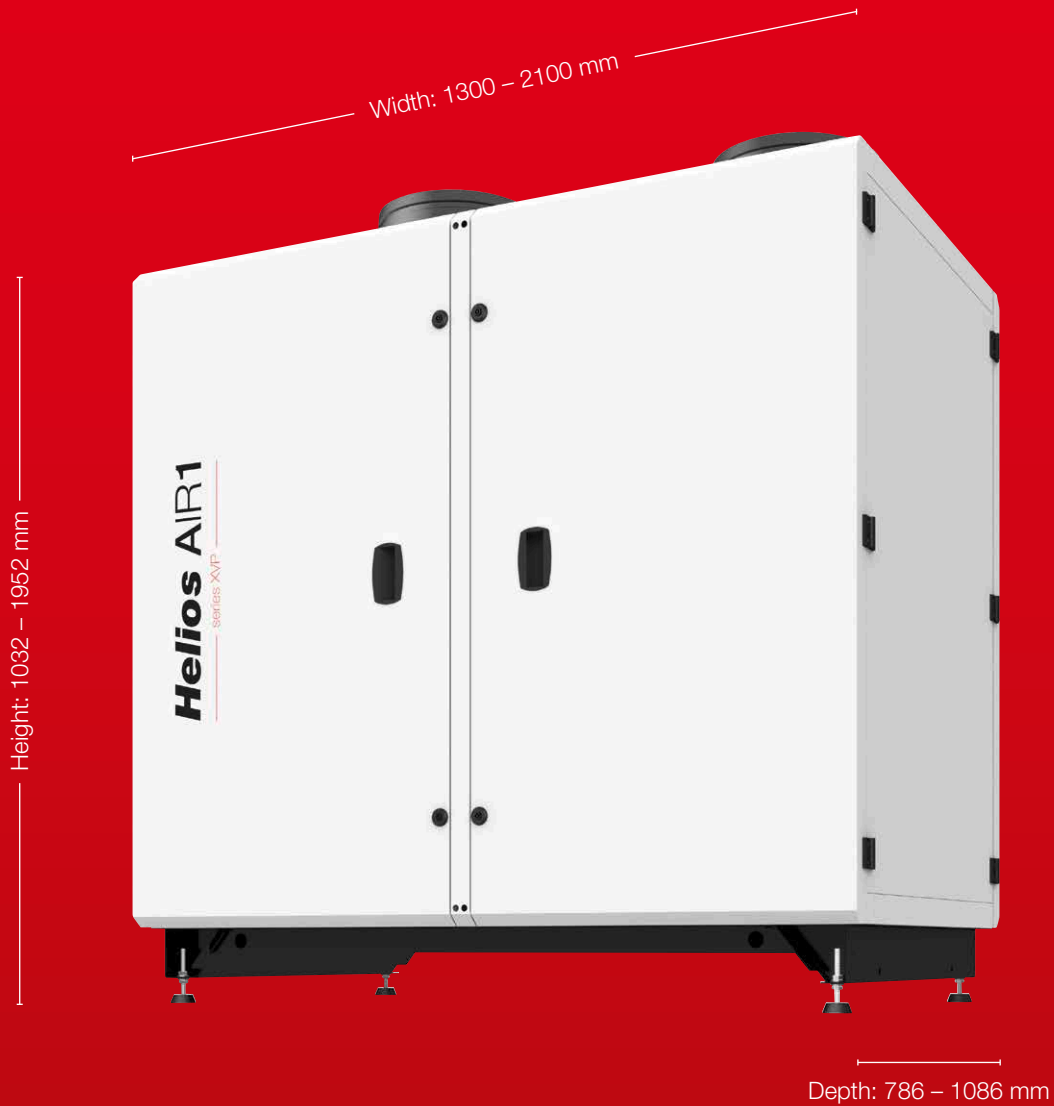
Performance:

XXL.

Format:

XXS.

Helios AIR1[®] series XVP



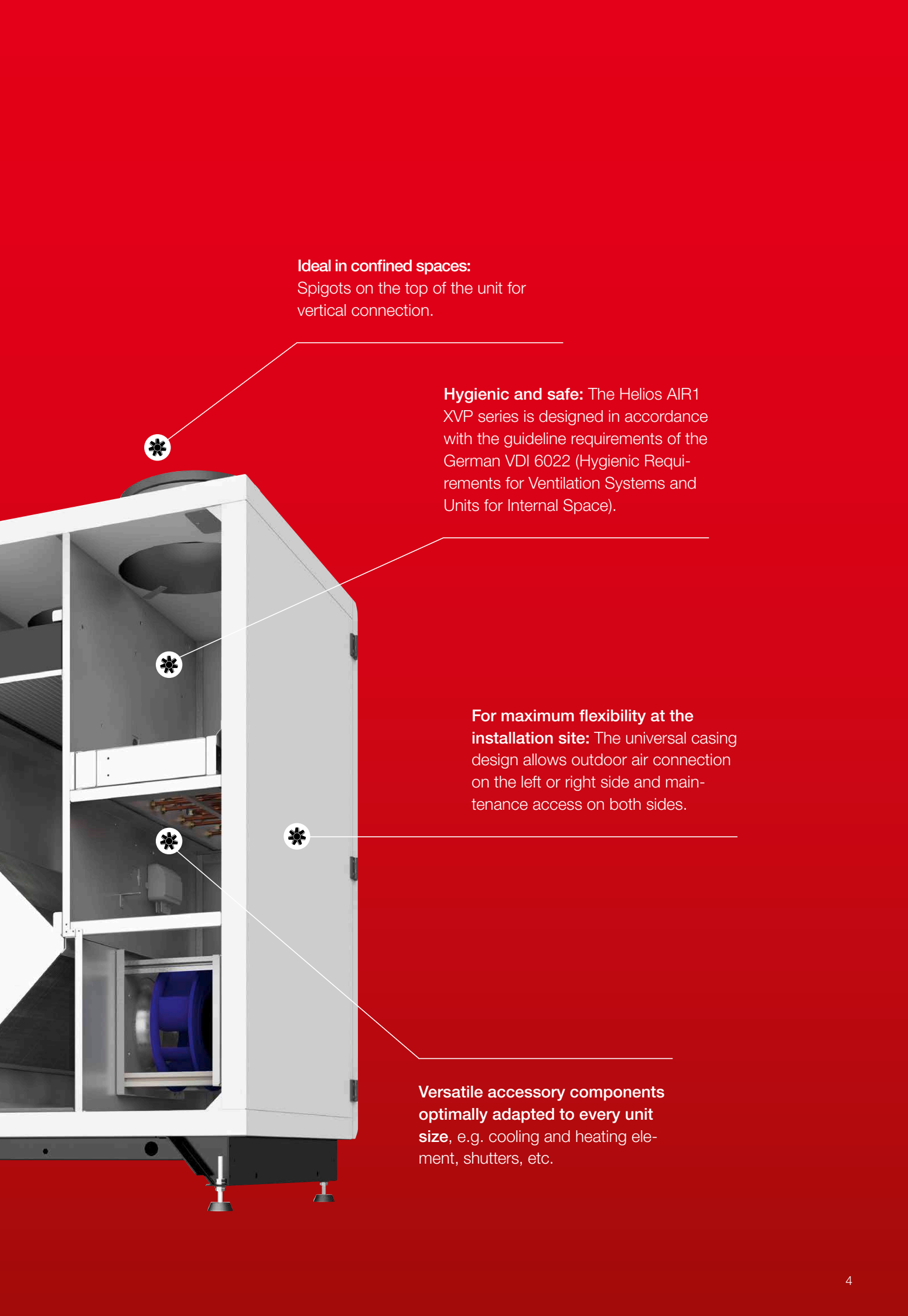
Extra strong and extra flexible.

Practical: The electrical terminal box is easily accessible at all times via the innovative “slide system”.

The modulating bypass not only allows a natural cooling on warm summer days, but also safe heat exchanger frost protection in the winter months.

Plug & Play: Helios AIR1 XVP is delivered with a pre-wired control system and pre-set basic functions that you can adjust individually at any time. Simply switch on and get started.





Ideal in confined spaces:
Spigots on the top of the unit for
vertical connection.

Hygienic and safe: The Helios AIR1
XVP series is designed in accordance
with the guideline requirements of the
German VDI 6022 (Hygienic Requi-
rements for Ventilation Systems and
Units for Internal Space).

**For maximum flexibility at the
installation site:** The universal casing
design allows outdoor air connection
on the left or right side and main-
tenance access on both sides.

**Versatile accessory components
optimally adapted to every unit
size, e.g. cooling and heating ele-
ment, shutters, etc.**

From a good home. For a good home.

Practically-oriented installation for unlimited applications.

Professionals know it: Utility rooms often lack space. And when bringing the ventilation system to the installation site, unit transportation also carries with it a significant risk due to narrow corridors or stairwells.

Our new Helios AIR1 XVP series provides the ideal solution in this respect. Not only thanks to the **compact dimensions, but also due to the vertical connectors on the top of the unit**, the units are optimally suited for use in confined spaces. The floor-standing installation and the universal casing concept ensure that subsequent maintenance can

be carried out easily and quickly in addition to the uncomplicated installation. This saves you valuable time on the construction site!

With an airflow range **up to 3,500 m³/h**, the XVP series is also ideally suited for various areas of application, e.g. kindergartens and educational institutions, small and medium-sized commercial units and public buildings. Doesn't that sound good?

Models

With round connectors:



Fan performance:

AIR1 XVP 850 → 850 m³/h

AIR1 XVP 1250 → 1,250 m³/h

AIR1 XVP 1800 → 1,800 m³/h

With rectangular connectors:



Fan performance:

AIR1 XVP 2500 → 2,500 m³/h

AIR1 XVP 3500 → 3,500 m³/h



Perfect when space is tight.

Whether in kindergartens, offices or restaurants – the new AIR1 XVP series is perfect whenever a lot of power is required in confined spaces.





Ingenious down to the smallest detail.

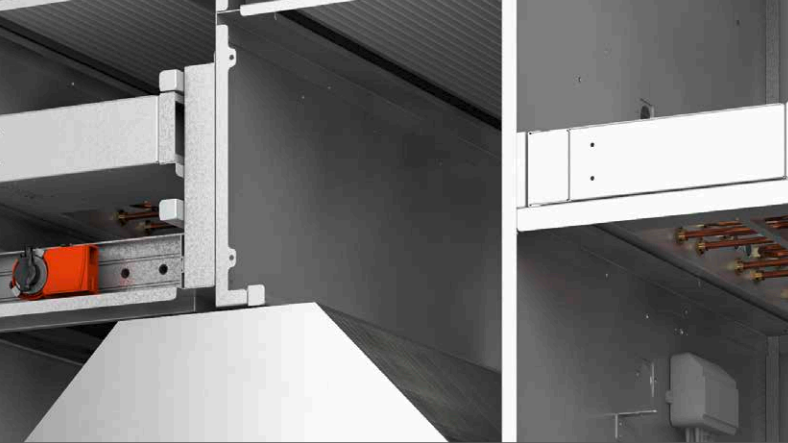


■ **Compact casing in panel design** made of Aluzink sheet metal, insulated on all sides with 50 mm mineral wool for optimal thermal and acoustic insulation. The outer shell has a corrosion-resistant coating on all sides and corresponds to corrosion class C4. The smooth inner surface meets all hygiene requirements for optimal cleaning in consideration of the German hygiene standard VDI 6022. Large inspection openings on both sides of the unit allow simple access to all unit components and provide optimal cleaning and maintenance options.

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Discover the excellent casing and tightness classes of Helios AIR1 XVP:

Casing and tightness classes according to DIN EN 1886:		Added value with Helios AIR1 XVP:
Thermal insulation:	T2	Whether summer or winter – energy consumption is significantly reduced
Thermal bridging factor:	TB2	Increased safety thanks to the prevention of undesired condensation
Mechanical stability:	D2	Mechanical stability and leakage resistance
Casing leakage: – in case of over/underpressure Filter bypass leakage:	L1 F9	Excellent leakage classes thanks to the ingenious seal design



■ **Option to integrate heating elements in unit:**

The electrical pre-heater element enables continuous operation – even at low external temperatures. The electric or hot-water post-heater element ensures a pleasant supply air temperature. Tip: Pre-heater and post-heater elements can be easily retrofitted at any time.

■ **Wide inspection openings** on both sides of the unit allow easy access to all unit components and provide optimal cleaning and maintenance options.

■ **High filter classes** (up to ISO ePM₁ 80 %) provide the best air quality in any application. The high-grade cartridge filters have dynamic pressure monitoring for long service lives. They can be replaced quickly and easily thanks to the insert frame and quick clamp device. Practical option: A pre-filter can be used directly in the unit.



■ **Maximum energy efficiency**, for example due to the Eurovent-certified cross-counterflow plate heat exchanger with its excellent thermal efficiency and low pressure losses. Modern EC fans also ensure top marks when it comes to energy consumption and noise levels.

- **Modern and versatile control system**, completely pre-wired and always optimally accessible via the innovative “slide system”.
- **New, modern frost protection control** by means of a modulating bypass and/or post-heater and pre-heater element.
- **Different operating modes available:** Constant airflow, constant pressure or 3 level, speed-controlled operation.
- **Simple connection to the building management systems** via BACnet IP or Modbus TCP.





Healthy air – hassle-free.

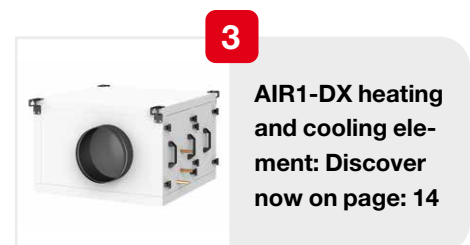
One thing has become clear in the last few years: A healthy indoor climate **in accordance with the required air exchange** is essential in highly frequented locations, e.g. educational institutions or kindergartens! Helios AIR1 XVP makes this as easy as can be. Compact dimensions, high heat recovery efficiency and top fan performances ensure optimal air quality with minimal space requirement. And all this without the need for user intervention because the intelligent sensors guarantee the air exchange fully **automatically and on demand**.

Maximum comfort is also ensured by the new DX element, which can both cool and heat, as well as many additional accessory components that make your system an individual solution.

Of course, this also applies to many other applications, e.g. offices or commercial facilities. The strengths of the new AIR1 XVP compact series always make a big impression when things are particularly tight!

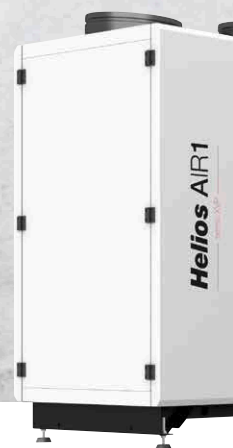
Highlights:

- **Best indoor air quality** thanks to the high-efficient ventilation system with heat recovery
- **Hygienic ventilation in highly frequented premises** thanks to the automatic air exchange
- **Intelligent sensors** guarantee demand-oriented ventilation that continuously adapts to current conditions
- **The new AIR1-DX element** can both cool and heat



A good thing rarely comes alone.

XVP series



**The Helios AIR1®
product range**

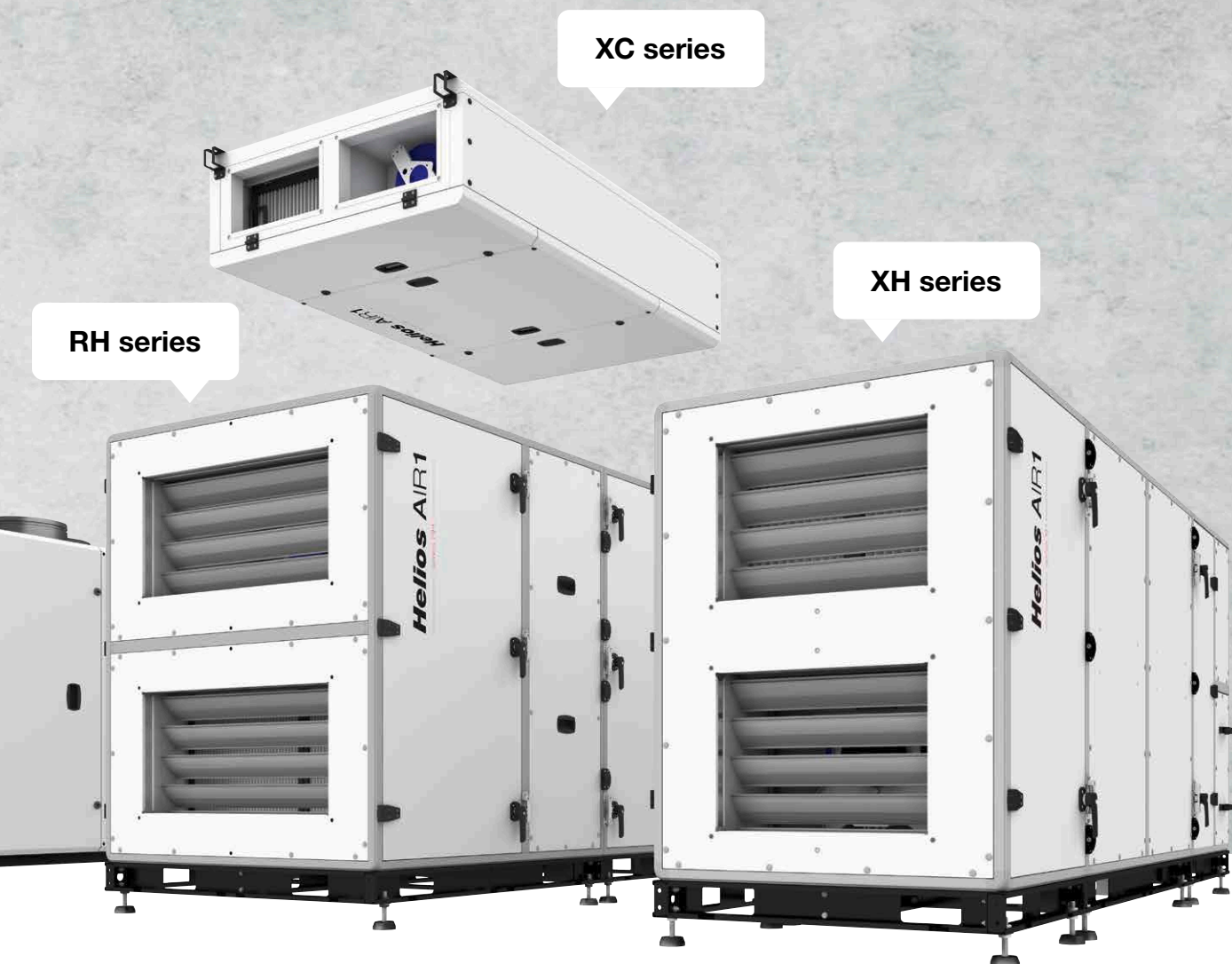


4 series

With the new XVP series, Helios AIR1 now offers even more options and technical variants: For ceiling installation or floor-standing installation, with highly efficient cross counterflow or rotary heat exchangers and for internal and external application.

27 models

No less than 27 models in a flow rate range up to 15,000 m³/h guarantee a suitable selection for virtually all areas of application and performance classes.



>100 options

The wide range of accessories with various heating and cooling options, numerous air quality sensors and a multi-level filter concept comprises well over 100 configuration options.

There are many additional highlights with Helios AIR1:

- **Fast delivery thanks to proactive warehousing**
- **Flexible and easy installation**
- **Immediately operational with integrated control system**
- **Eurovent-certified components**

The DX heating/cooling module: Helios pulls out all the stops once again.

New



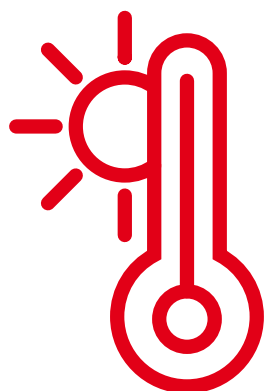
New for all Helios AIR1 series:

The AIR1 DX direct evaporator element is the ideal solution for connecting your ventilation system to an inverter or VRF system.

Combine heating and cooling functions in one technical system – your customers will benefit from increased comfort and a reduction of investment costs.

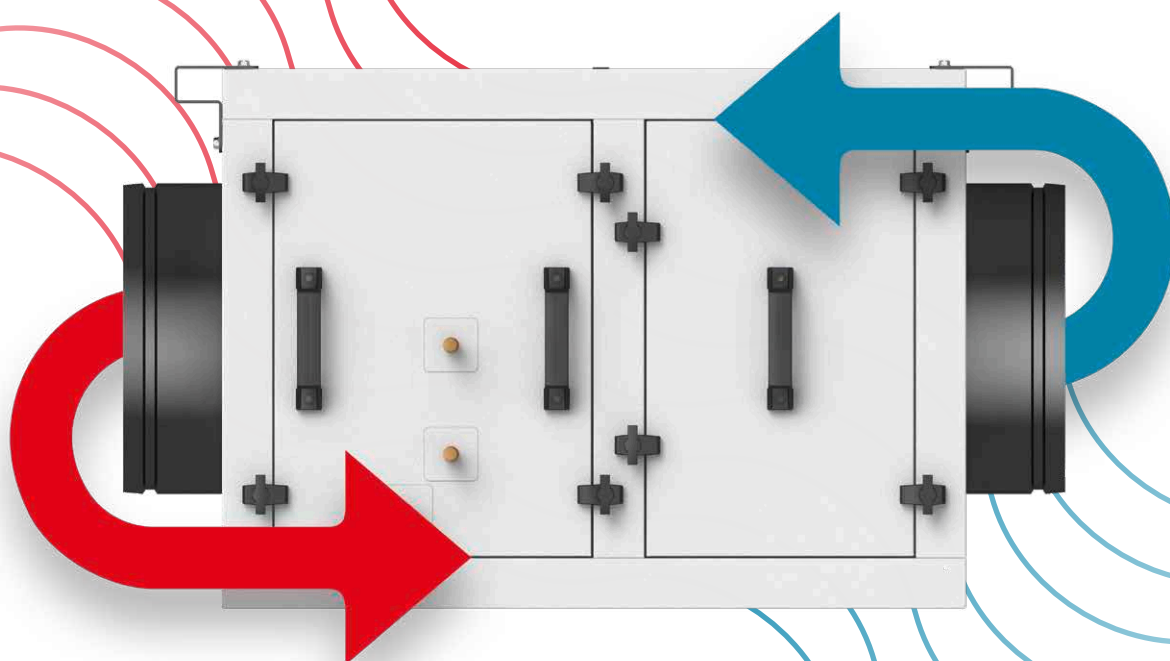
In this respect, the ventilation system controls can be easily integrated in the control system for all typical, power-controlled cooling systems. Alternatively, autonomous control via the cooling system is also possible.

- The new element can both **cool** and **heat**.
- The casing is insulated on all sides with 50 mm mineral wool to **minimise heat loss**. Additional, on-site insulation is therefore not required.
- The DX element is delivered **ready for connection**.
- The element can be **retrofitted** at any time.
- The new element is suitable for **all common refrigerant agents** – also for the latest generation.



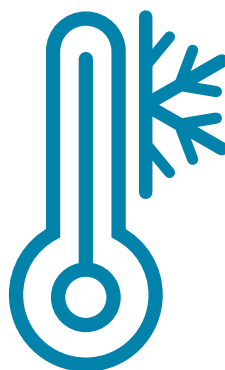
Heat up

The convenient heating function ensures additional supply air heating on particularly cold days.



Cool down

A freshness kick on hot summer days: The cooling function effectively reduces the supply air temperature – for a comfortable indoor climate.



Simply configure it yourself with AIR1Select.

With Helios AIR1, you can choose the perfect solution for your application from more than 100 configuration options. In order to assist you with the selection, we have developed AIR1Select - an online configuration tool specifically for Helios AIR1 ventilation units.

AIR1Select allows the configuration of your ventilation unit with a few, self-explanatory inputs. You can save, export and retrieve your results at any time.

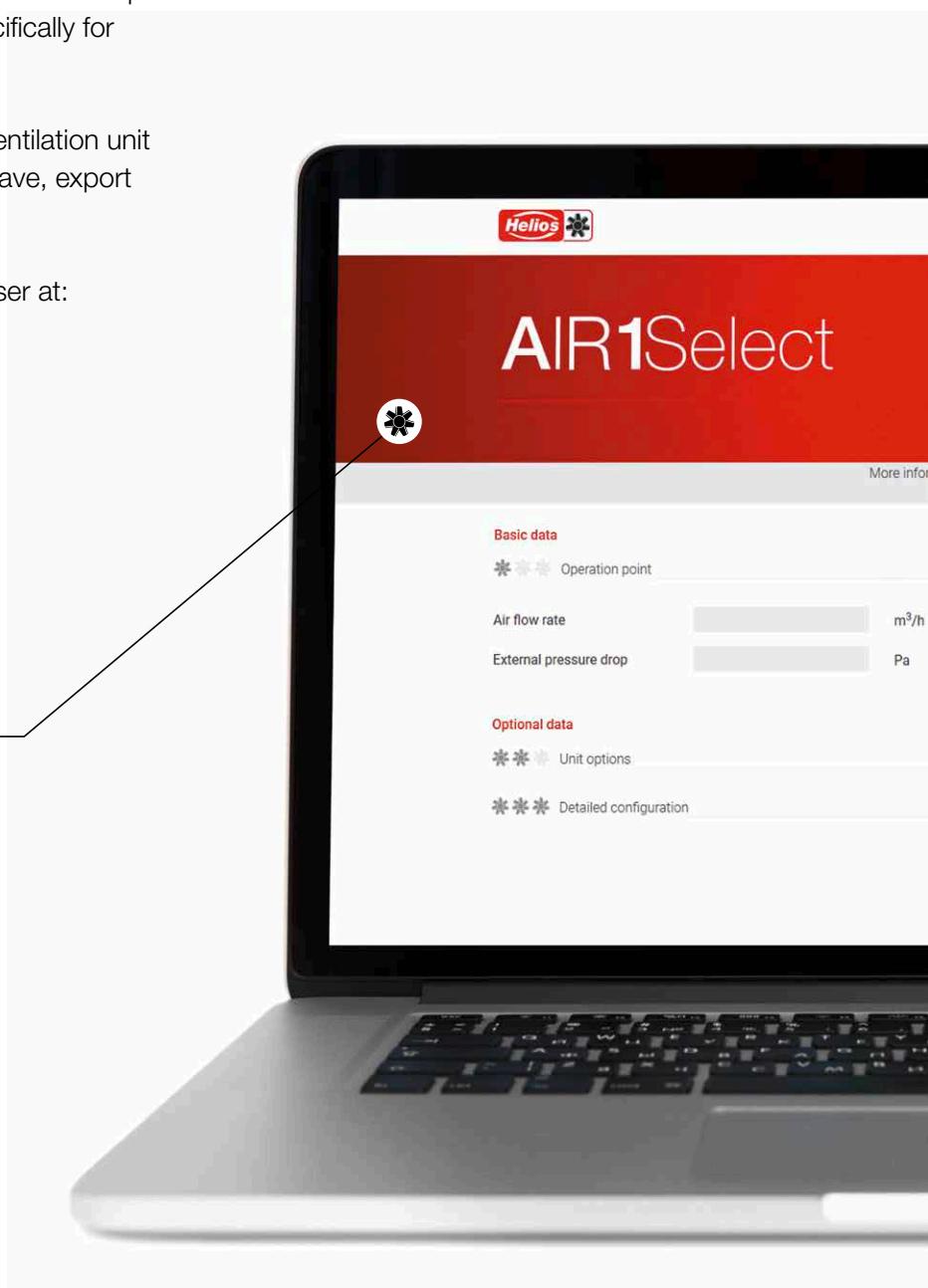
Simply start AIR1Select in your internet browser at:
www.AIR1Select.com



Simply precise!

Professional software has never been this uncomplicated:

- Intuitive and modern user interface.
- From the Cloud: Always up to date and available everywhere.
- Runs in browser: Optimised for PC, laptop and tablet.
- Advanced user management including team functions.

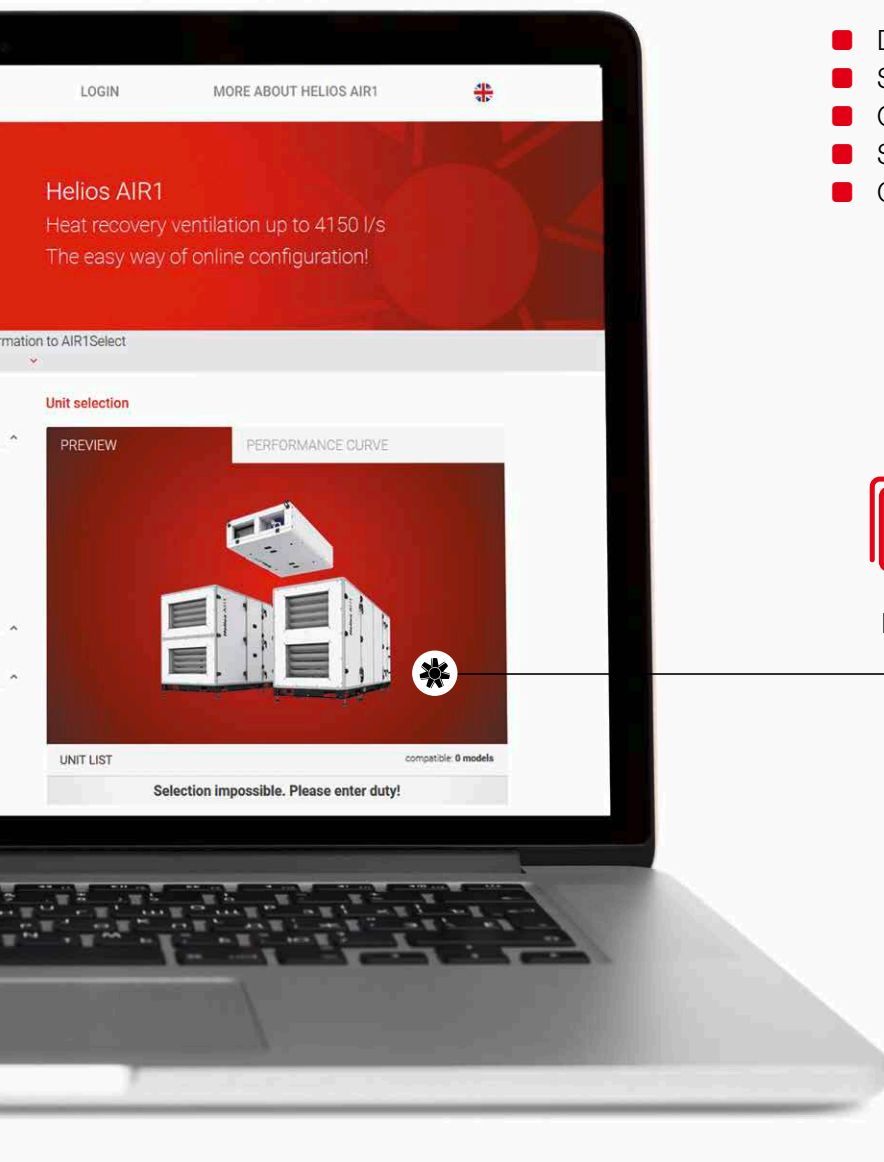


Make it count!

Just a few inputs and your calculation results will appear clearly arranged on the screen. All project-specific results can be saved, printed and exported in various data formats. AIR1Select also assists you with the quick and secure selection of optional accessory components.

AIR1Select offers the following:

- Detailed calculation results and diagrams.
- Selection of accessory components.
- Orderable material lists.
- Specification texts in Word format.
- CAD/BIM data for direct import into your system.



PDF



BIM



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