DAPHNE FLAT

Residential heat recovery unit

PARTNER
IN VENTILATION
2VV.CZ

SMART & SLEEK

Goddess of heat recovery units

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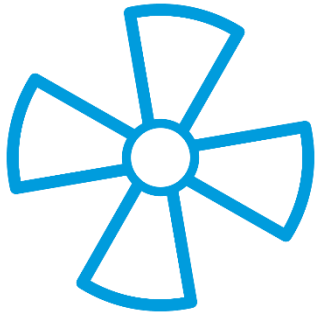
FAMILY
HOUSES

LOW-ENERGY &
PASSIVE HOUSES

FLATS &
APARTMENTS

DAPHNE FLAT



High efficiency

Smart construction

Intelligent control

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HIGH EFFICIENCY

Great comfort with minimized operation cost

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AIRFLOW PERFORMANCE

Size 030

350m³/h
@100Pa

Energy class **A**

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AIRFLOW PERFORMANCE

Size 030

350m³/h
@100Pa

Energy class **A**

Size 050

520m³/h
@100Pa

Energy class **A+**

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AIRFLOW PERFORMANCE

Size 030

350m³/h
@100Pa

Energy class **A**

Size 050

520m³/h
@100Pa

Energy class **A+**

Size 070

770m³/h
@100Pa

Energy class **A+**

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HEAT RECOVERY

Heat recovery ensured by **counter-flow aluminium** cell, which strength is a high thermal efficiency and air tightness.

HEAT RECOVERY

Heat recovery efficiency
up to 96%

HEAT RECOVERY

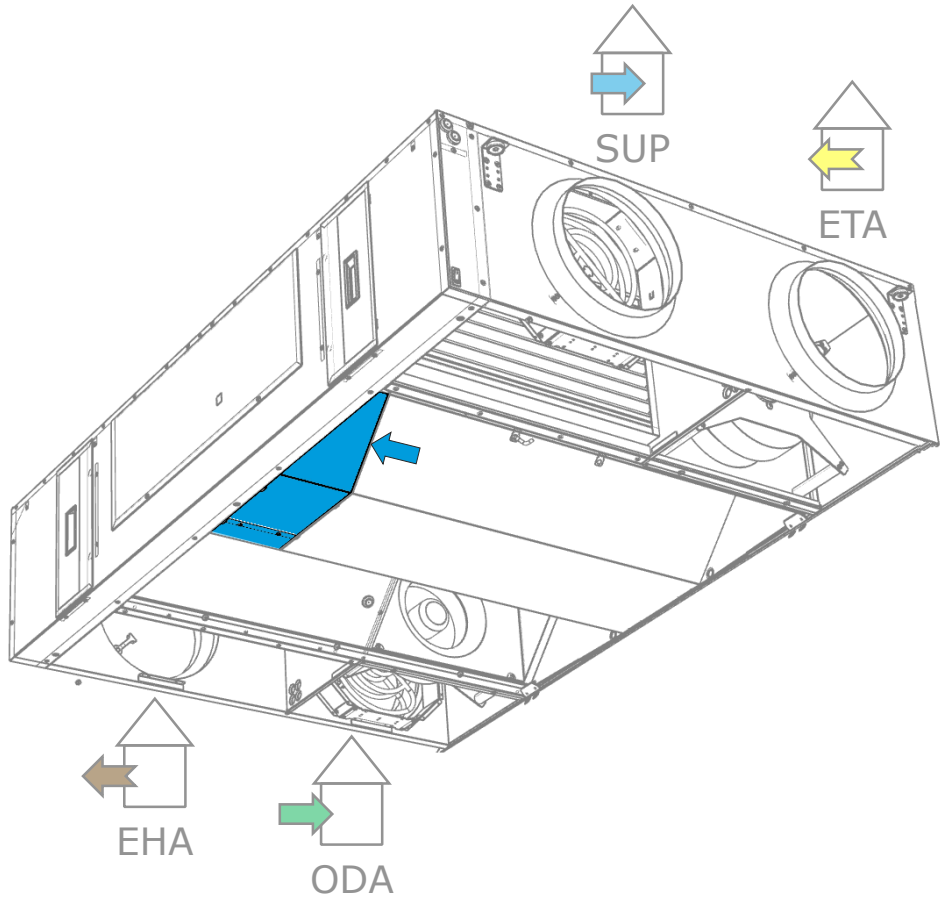
Heat recovery efficiency
up to 96%

At nominal speed it is
more than 81% (EN13141-7)

FLUENT BY-PASS

0-10V control secures temperature comfort at any time.

Even during anti-freeze protection mode it ensures partial **heat recovery whenever possible**.



EC FANS

Highly-efficient centrifugal EC fans with backward curved impellers and a variable speed drive motor.

Significant for its **low energy consumption** and quiet operation.

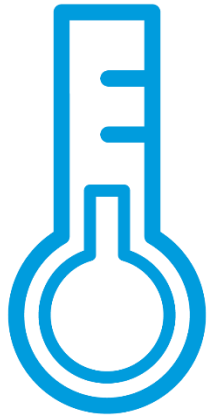
PRE-HEATER
POST-HEATER

Electric (pre/post) heater with **fluent control** of the heat output.

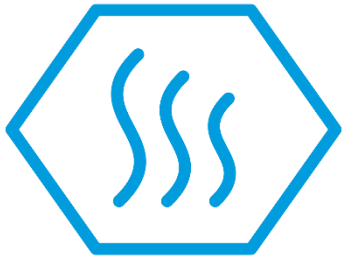
Integral part of the unit when such option selected.

TEMPERATURE CONTROL

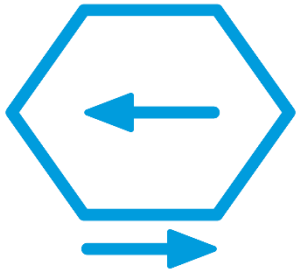
Integrated NTC temperature **sensors** (interior temperature control, fluent control of by-pass, anti-freeze protection) to ensure **most effective operation**.



HIGH EFFICIENCY



Thermal efficiency up to 96% ensured by aluminium counterflow cell



Constant **thermal comfort** thanks to a fluent control of by-pass

Low energy consumption and quiet operation

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SMART CONSTRUCTION

Clever solution focused on your needs

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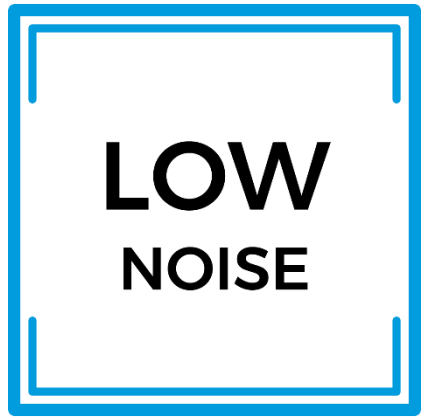
LOW SOUND

Sound-attenuating design, optimized air flow and attentive selection of components results in a **quiet operation** of the unit.



CEILING INSTALLATION

Valid for all 3 sizes:

030 (350m³/h @100Pa)

050 (520m³/h @100Pa)

070 (770m³/h @100Pa)

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LOW PROFILE

Super slim fit for an under-ceiling installation

Size 030 – **281mm**

Size 050 – 322mm

Size 070 – 364mm

WALL INSTALLATION

Only for size **030** (350m^3/h @100Pa)

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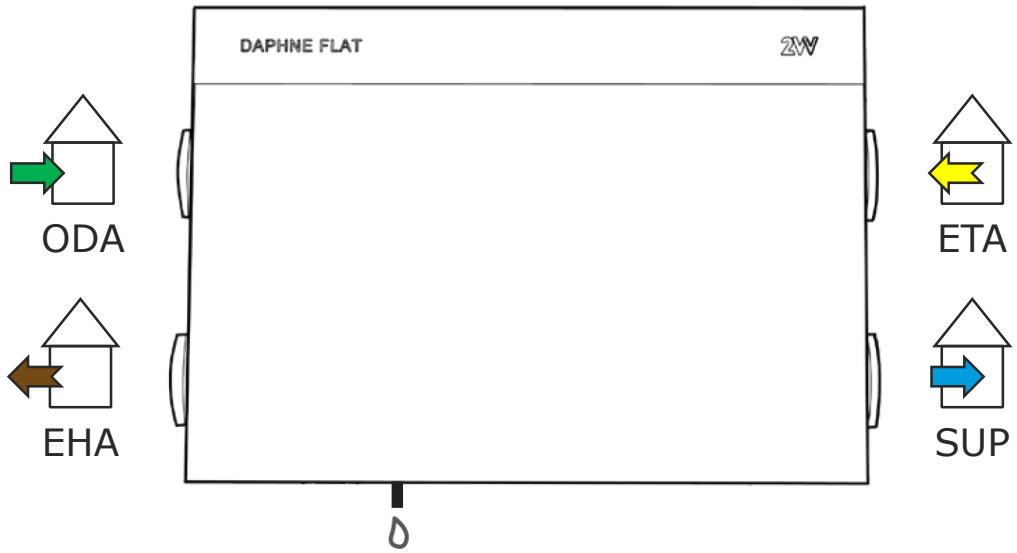
LOW PROFILE

Super slim fit ideal for installation with **limited space**

Size 030 – **281mm**

INSTALLATION SIDE

Right version (bottom view)



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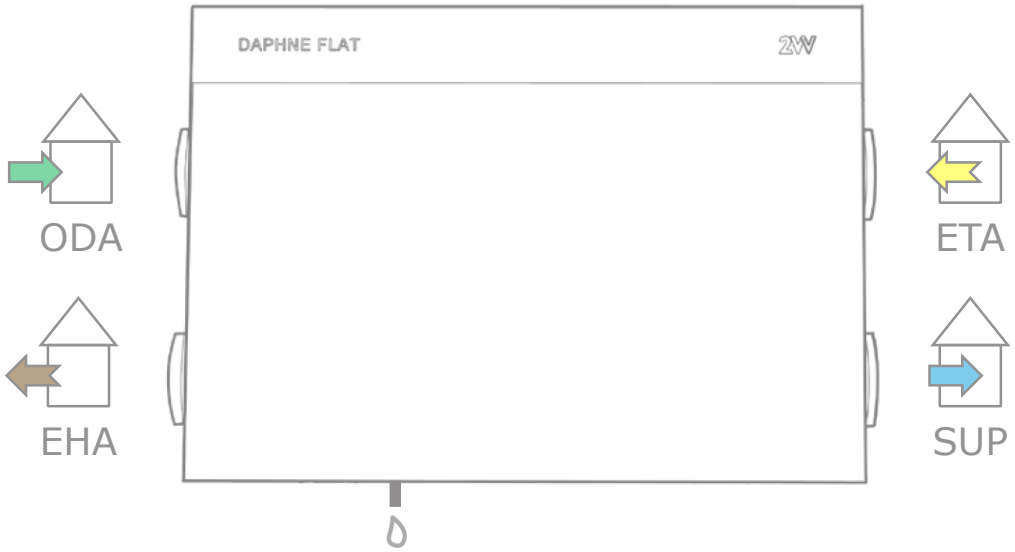
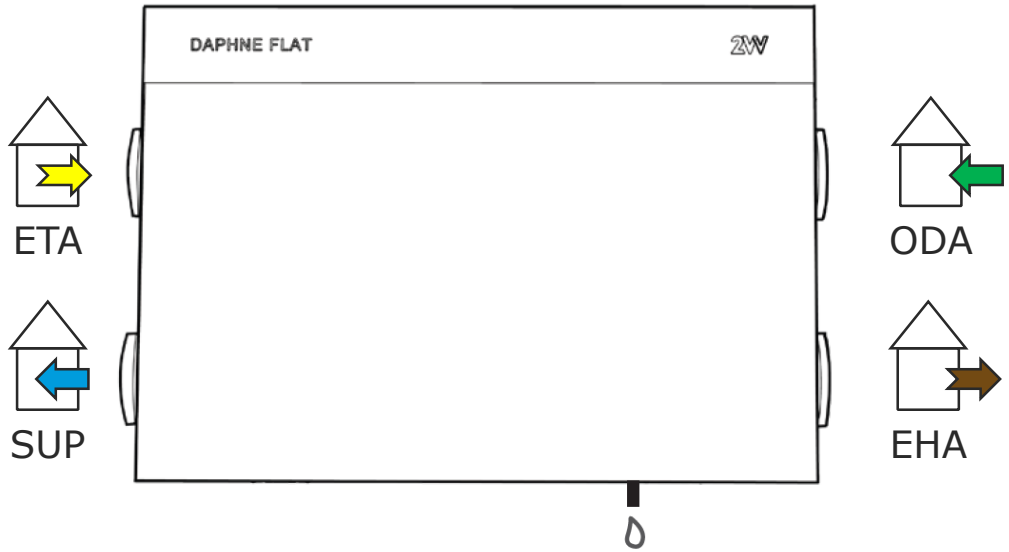
INSTALLATION SIDE

Right version (bottom view)



Left version (bottom view)



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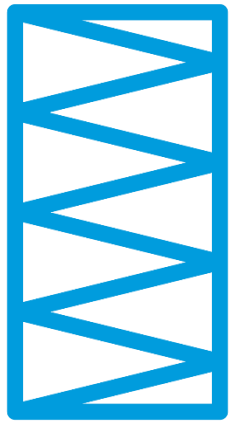
FILTERS

Inlet / **Outlet** filters are delivered with filter class: **Coarse 60%**.

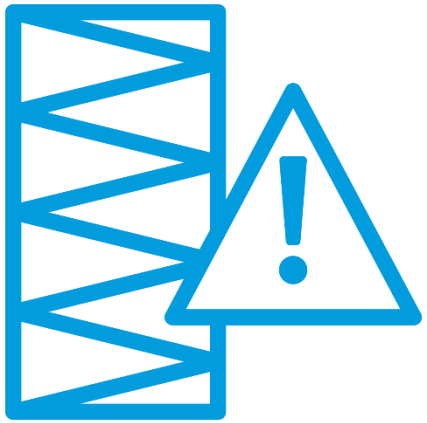
Available also filters with class **Coarse 90%** and **ePM 1 60%**.



FILTERS

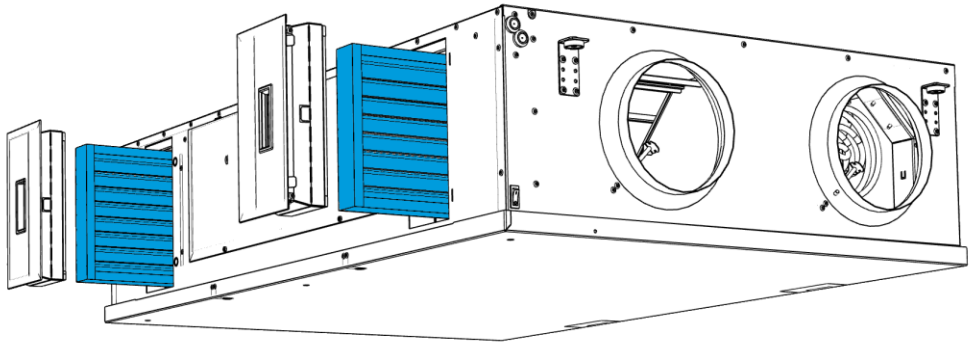
Time indication for clogged filters settable in service menu.

Clogged filters **signalization** displayed on the **control panel**.



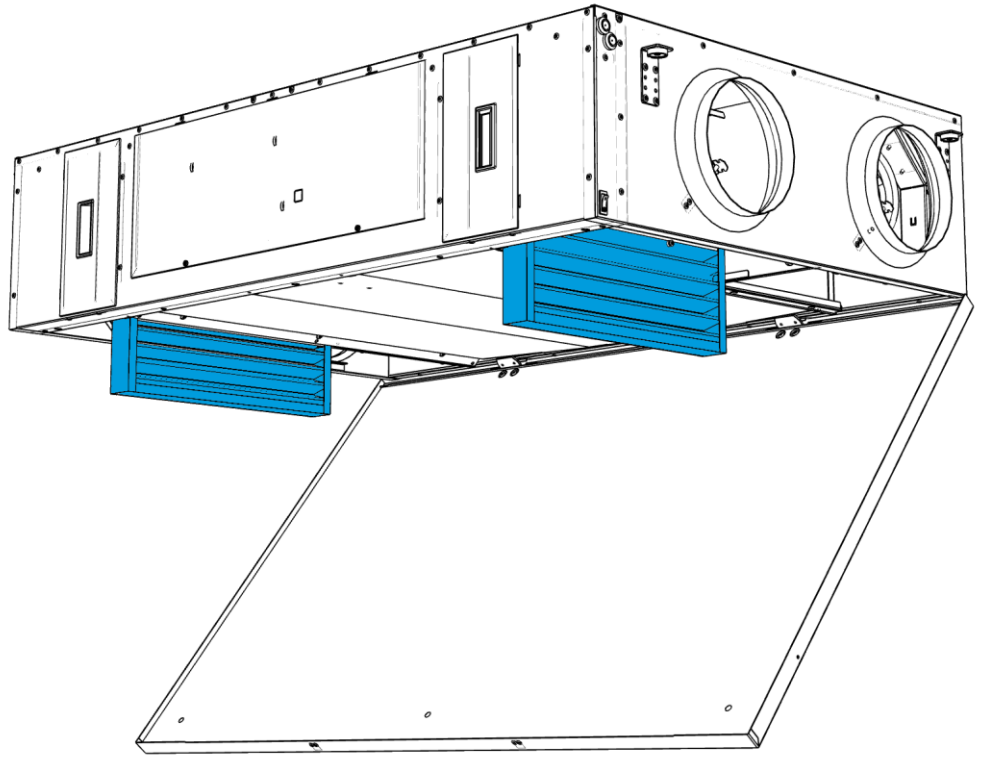
FILTERS

Side access to the filters exchange is through the filter doors (inlet / outlet).



FILTERS

Bottom access to the filters exchange is through the service door.

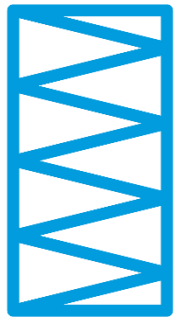


SMART CONSTRUCTION

Sound-attenuating design, optimised airflow and high-quality components

Ceiling installation and wall installation for size 030

Left / right version



Coarse 60%

Clogged filters time indication and easy exchange

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AirGENIO CONTROL

Intuitive – Intelligent - Innovative

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AirGENIO

Intuitive

Easy to set up
and operate

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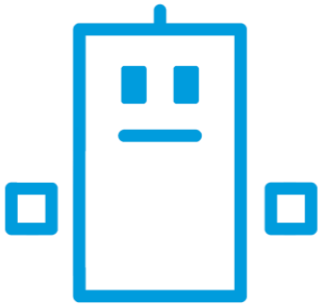
AirGENIO

Intuitive

Easy to set up
and operate



Intelligent

The brain of the
whole device

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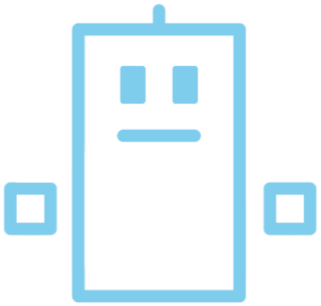
AirGENIO

Intuitive

Easy to set up and operate



Intelligent

The brain of the whole device

Innovative

Reflects market trends

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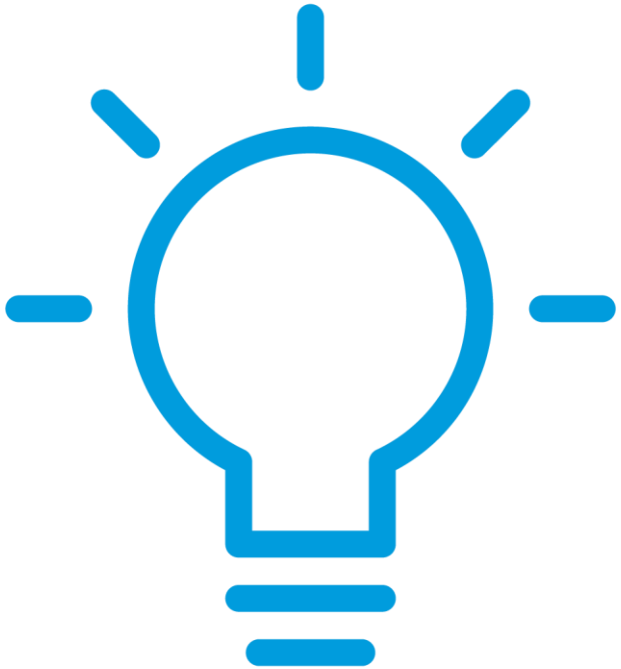
INTUITIVE

AirGENIO control



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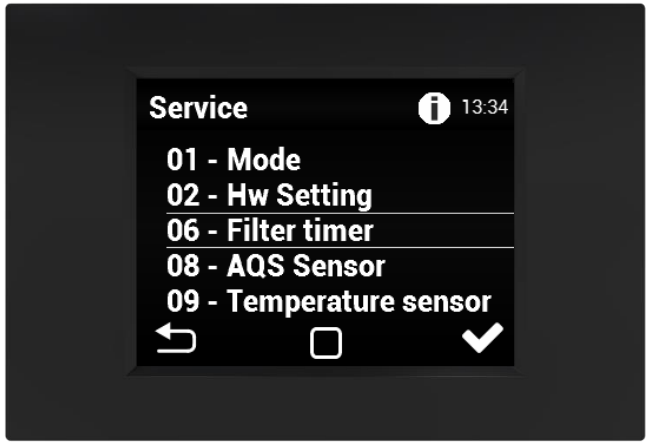
INTUITIVE

Easy control, setting up and device service

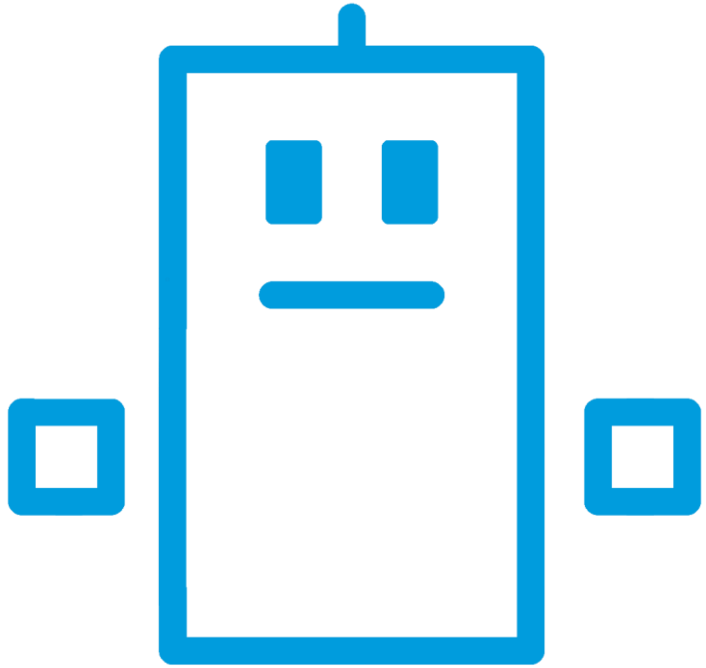
Clear icons

Users menu / Service menu



INTELLIGENT

AirGENIO control



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INTELLIGENT

Maximal comfort for minimal operation cost

Smart and complex algorithms

Integrated temperature sensors

INTELLIGENT

Manual / Automatic control

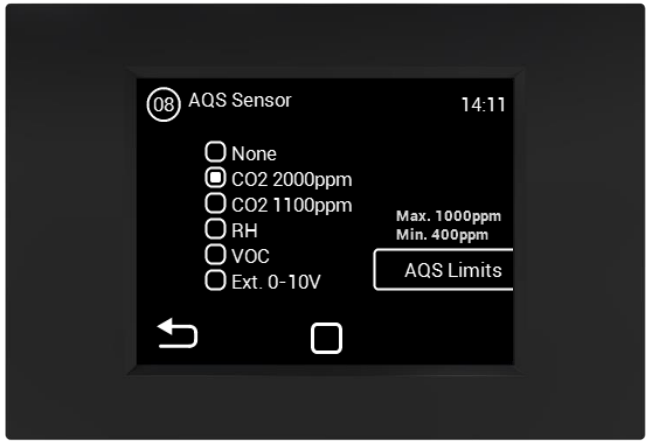
0-10V fan control
DCV mode when AQS connected

INTELLIGENT

Control based on AQS sensors

CO_2 sensor
RH sensor

Other 0-10V external sensor



INTELLIGENT

Supplementary modes:

BOOST

Free-cooling (Night mode)

Fire mode

Occupancy mode

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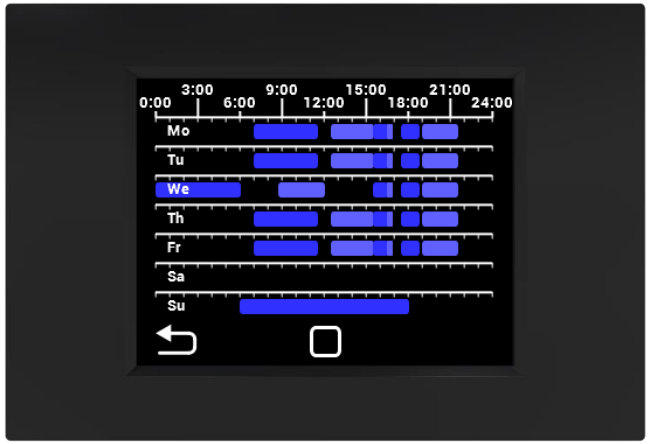
INTELLIGENT

Timer

Settable 6 different time interval
for year / week / day



INTELLIGENT

Warning / Error messages

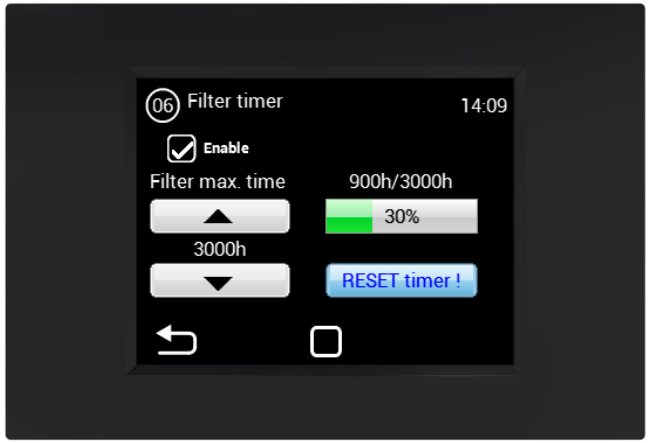
Notification displayed on the control panel

INTELLIGENT

Filter timer

Time period settable in the service menu.

Filter timer RESET in the same menu.



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INNOVATIVE

AirGENIO control

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INNOVATIVE

Easy unit operation via smart devices thanks to **2VV application**

Simple operation, display of run indication, error or warning messages (filter exchange, etc.)

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2VV.CZ

INNOVATIVE

Possibility to connect to **BMS** via different network protocols:

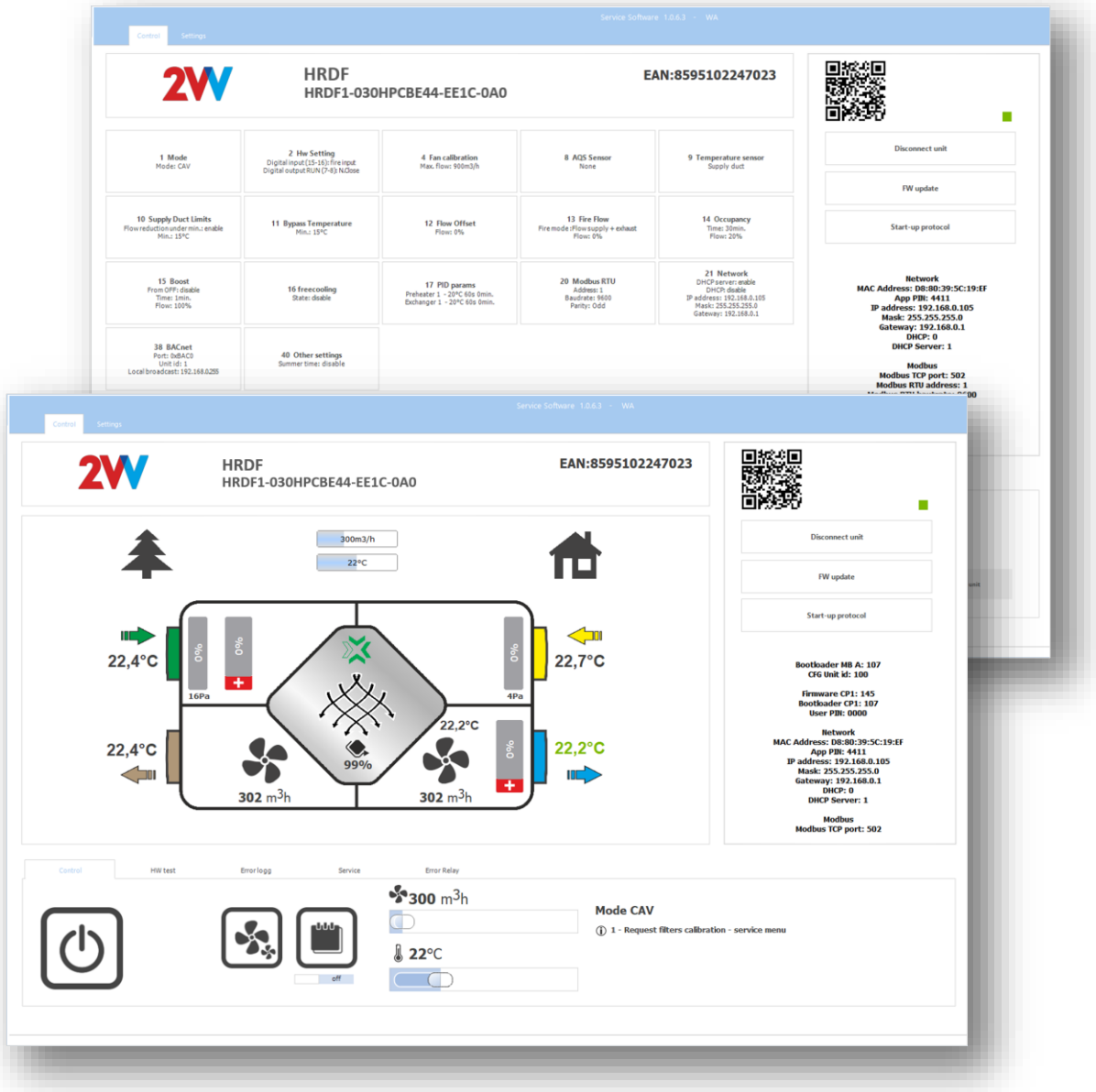
ModBUS RTU/TCP, BACnet

INNOVATIVE

Easy commissioning and service thanks to **Service SW**

Restore setting from backup

Error display, identification and history list



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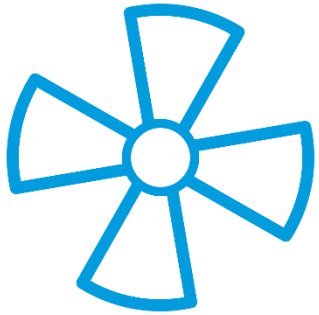
DAPHNE FLAT



High efficiency

Thermal efficiency and interior comfort at low operation cost

Smart construction

Quiet ventilation designed for ceiling (wall) installation

Intelligent control

Integrated control system optimazing the operation

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2VV SUPPORT

Sales and after-sales assistance

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TECHNICAL DOCUMENTATION

Technical sheet

Manuals

List of recommended accessories

AFTER-SALES SUPPORT

Technical support **hotline**

support@2vv.cz

Petr NEUMANN

Martin KRÁTKÝ

Lukáš BORŮVKA

Sergiy SHRAMKO

2VV PARTNER IN VENTILATION 2VV.CZ

PRODUCT REFERENCES

DAPHNE FLAT heat recovery unit

PARTNER
IN VENTILATION
2VV.CZ

DAPHNE FLAT
HISTORIC HOMESTEADS
OF AUSTRALIA

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