

Auros series

VER305, VER405, VER505, VER605



iNEXT



ENTHALPY EXCHANGER



CONSTANT FLOW



MODBUS



MODULATED HEATER



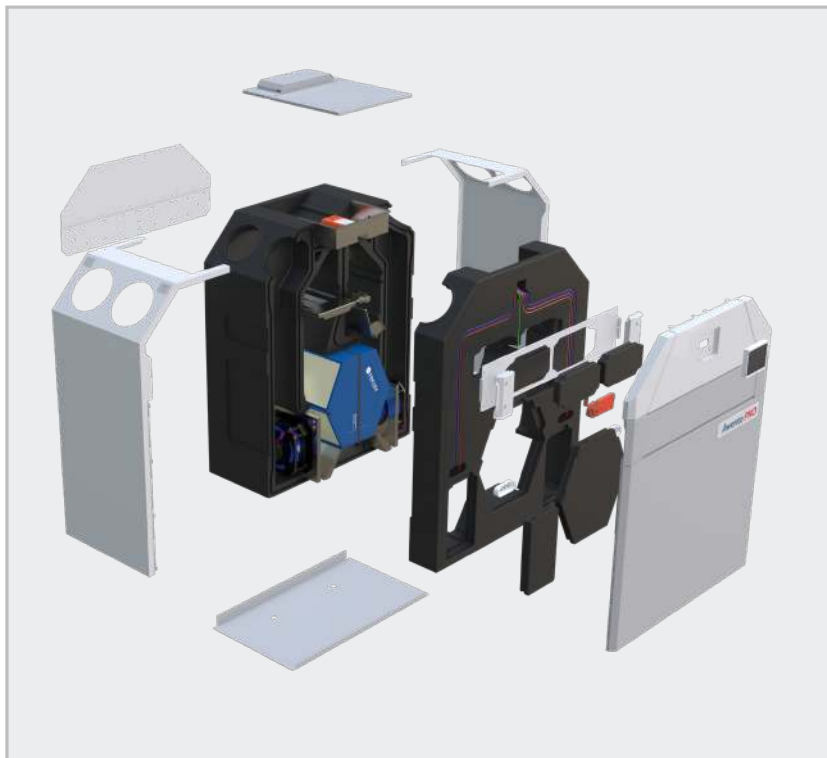
ENERGY EFFICIENCY



MATERIAL

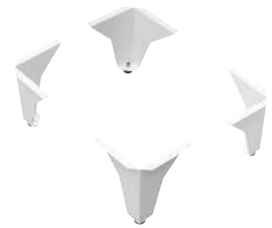
RECUPERATOR FEATURES

- Mounting position – wall-mounted (wall batten included) and floor-standing (VKNER legs sold separately)
- 360° rotating connection joints
- Counterflow heat exchanger with the efficiency of up to 95%
- Energy-efficient fans with the Ziehl-Abegg EC motors
- Automatic bypass, 100% bypass, isolated
- Modulating preheat coil with variable operating parameters
- Excellent insulation thanks to the use of the EPP (expanded polypropylene) housing
- Leak tight structure preventing the penetration of odours and pollutants from the exhaust air into the supply air
- Mobile application for smartphones – Android, iOS and possible remote control by using webpage (iNext module required)
- Automatic flow control system (constant flow) – in CF versions.
- Equipped with two filters (M5/ISO ePM10) as a standard
- Possibility of using fine filters (F7/ISO ePM1) with higher filtration class
- Possibility of using reusable pre-filter.
- Possible interoperation with the air quality, carbon dioxide and humidity sensor (VSPM, VSHC, VSHW)
- Option of cleaning heat exchanger
- Long service life
- Scratch resistance of painted parts at a value of 5 H
- Antimicrobial properties of painted parts according to ASTM E2149-13a



Supplementary products

LEGS
VKNER



FILTERS



PRODUCT DATA SHEET

optional equipment



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TECHNICAL INFORMATION

| | AUROS 305 | | AUROS 305 Enthalpy | | AUROS 405 | | AUROS 405 Enthalpy | |
|---|---|-------------------------|--------------------|----------------|-----------------------|-------------------------|--------------------|-----------|
| INDEX | VER305 | VER305E | VER305E | VER305E | VER405 | VER405 | VER405E | VER405E |
| Supply voltage | 230 V AC / 50 Hz | | | | | | | |
| IP protection class | IP33 | | | | | | | |
| Preheat coil power | 2 000 W | | | | | | | |
| Max. power consumption (without preheat coil) | 195 W | 145 W | 145 W | 145 W | 225 W | 225 W | 220 W | 220 W |
| Capacity (at 100 Pa) | 315 m ³ /h | | | | 418 m ³ /h | | | |
| Maximum engine speed | 3 550 RPM | 3 150 RPM | 3 150 RPM | 3 150 RPM | 3 700 RPM | 3 700 RPM | 3 600 RPM | 3 600 RPM |
| Noise level | 44 dB(A) | 43 dB(A) | 43 dB(A) | 43 dB(A) | 42 dB(A) | | | |
| Type of heat exchanger | Countercurrent | Countercurrent Enthalpy | | Countercurrent | | Countercurrent Enthalpy | | |
| Max. heat recovery efficiency | up to 95% | up to 90% | | up to 95% | | up to 90% | | |
| Heat exchanger material | Polystyrene | | | | | | | |
| Housing material | EPP + powder coated steel | | | | | | | |
| Filter - intake vent | VM5ER405 - M5 ISO ePM10 (optional VF7ER405 - F7 ISO ePM1) | | | | | | | |
| Filter - exhaust | VM5ER405 - M5 ISO ePM10 | | | | | | | |
| Pre-filter intake / exhaust | VFWER405 (optional) | | | | | | | |
| Diameter of air connector | 160 mm | | | | | | | |
| Diameter of condensate drain connector | 32 mm | | | | | | | |
| Controller type | AERO AP + AWENTA CONTROL | | | | | | | |
| Bypass | Automatic 100% | | | | | | | |
| Fans | 2x radial fan with EC motor | | | | | | | |
| System Constant Flow | YES, depend on version | | | | | | | |
| Modbus RTU Communication | YES | | | | | | | |
| Internet module | VLAN iNEXT (optional) | | | | | | | |
| Air quality sensor | VSPM (optional) | | | | | | | |
| CO ₂ concentration and humidity sensor | VSHC (optional) | | | | | | | |
| Humidity sensor | VSHW (optional) | | | | | | | |
| Weight | 42 kg | 47 kg | 47 kg | 47 kg | 46 kg | 46 kg | 44 kg | 44 kg |

| | AUROS 505 | | AUROS 505 Enthalpy | | AUROS 605 | | AUROS 605 Enthalpy | |
|---|---|-------------------------|--------------------|----------------|-----------------------|-------------------------|-----------------------|---------|
| INDEX | VER505 | VER505E | VER505E | VER505E | VER605 | VER605 | VER605E | VER605E |
| Supply voltage | 230 V AC / 50 Hz | | | | | | | |
| IP protection class | IP33 | | | | | | | |
| Preheat coil power | 2 000 W | | | | | | | |
| Max. power consumption (without preheat coil) | 280 W | 270 W | 270 W | 270 W | 340 W | | | |
| Capacity (at 100 Pa) | 515 m ³ /h | | | | 605 m ³ /h | | 585 m ³ /h | |
| Maximum engine speed | 3 950 RPM | 3 900 RPM | 3 900 RPM | 3 900 RPM | 4 400 RPM | | | |
| Noise level | 44 dB(A) | | | | 45 dB(A) | | | |
| Type of heat exchanger | Countercurrent | Countercurrent Enthalpy | | Countercurrent | | Countercurrent Enthalpy | | |
| Max. heat recovery efficiency | up to 95% | up to 90% | | up to 95% | | up to 90% | | |
| Heat exchanger material | Polystyrene | | | | | | | |
| Housing material | EPP + powder coated steel | | | | | | | |
| Filter - intake vent | VM5ER605 - M5 ISO ePM10 (optional VF7ER605 - F7 ISO ePM1) | | | | | | | |
| Filter - exhaust | VM5ER605 - M5 ISO ePM10 | | | | | | | |
| Pre-filter intake / exhaust | VFWER605 (optional) | | | | | | | |
| Diameter of air connector | 200 mm | | | | | | | |
| Diameter of condensate drain connector | 32 mm | | | | | | | |
| Controller type | AERO AP + AWENTA CONTROL | | | | | | | |
| Bypass | Automatic 100% | | | | | | | |
| Fans | 2x radial fan with EC motor | | | | | | | |
| System Constant Flow | YES, depend on version | | | | | | | |
| Modbus RTU Communication | YES | | | | | | | |
| Internet module | VLAN iNEXT (optional) | | | | | | | |
| Air quality sensor | VSPM (optional) | | | | | | | |
| CO ₂ concentration and humidity sensor | VSHC (optional) | | | | | | | |
| Humidity sensor | VSHW (optional) | | | | | | | |
| Weight | 52 kg | 50 kg | 50 kg | 50 kg | 50 kg | 50 kg | 56 kg | 56 kg |

PRODUCT DATA SHEET

optional equipment



iNEXT



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CONSTANT FLOW



MODBUS



MODULATED HEATER



ENERGY EFFICIENCY



MATERIAL

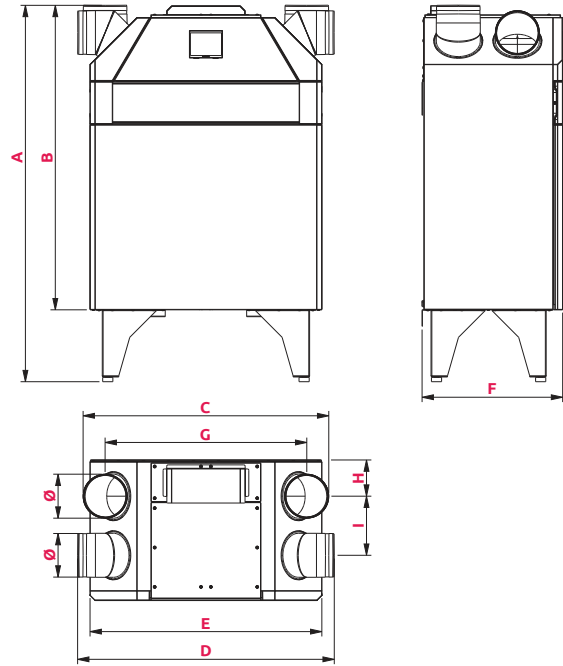
Auros series

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AUROS - floor-standing unit

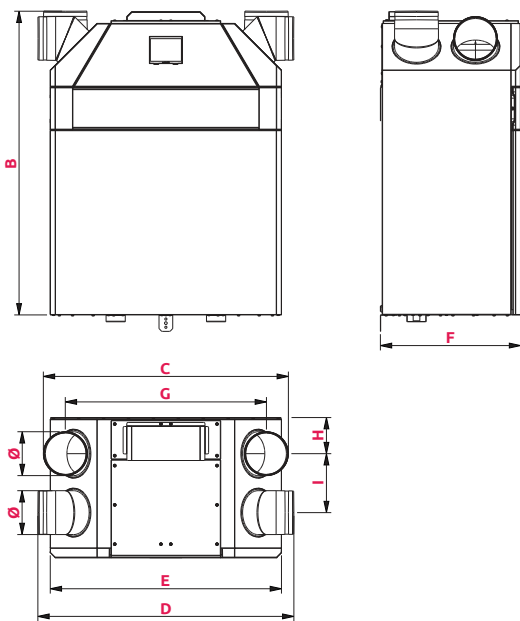


DIMENSIONS



| | Ø | A | B | C | D | E | F | G | H | I |
|--------|-----|-------|-------|-----|-----|-----|-----|-----|-----|-----|
| VER305 | 160 | 1 370 | 1 108 | 764 | 804 | 713 | 510 | 604 | 132 | 215 |
| VER405 | 160 | 1 370 | 1 108 | 894 | 934 | 843 | 510 | 743 | 132 | 215 |
| VER505 | 200 | 1 377 | 1 115 | 946 | 962 | 843 | 610 | 748 | 147 | 265 |
| VER605 | 200 | 1 377 | 1 115 | 946 | 962 | 843 | 610 | 748 | 147 | 265 |

DIMENSIONS



AUROS - wall-mounted unit



PRODUCT DATA SHEET

optional equipment

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MODULATED HEATER

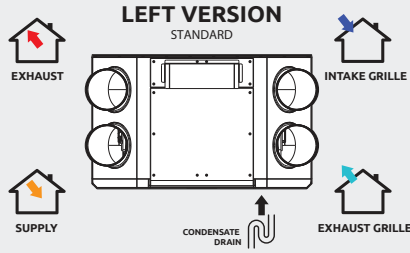


ENERGY EFFICIENCY

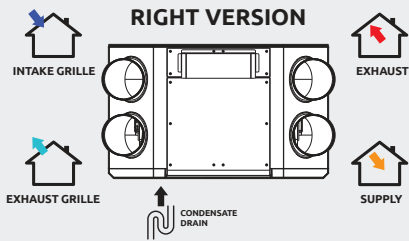


MATERIAL

Auros series



| | | | |
|-----------------|---|---|---|
| VER*L | Recuperator AUROS 305-605 left version (standard) | | |
| VER*LE | Recuperator AUROS 305-605 left version (standard) | | • |
| VER*LCF | Recuperator AUROS 305-605 left version (standard) | • | |
| VER*LCFE | Recuperator AUROS 305-605 left version (standard) | • | • |



| | | | |
|-----------------|---|---|---|
| VER*P | Recuperator AUROS 305-605 right version | | |
| VER*PE | Recuperator AUROS 305-605 right version | | • |
| VER*PCF | Recuperator AUROS 305-605 right version | • | |
| VER*PCFE | Recuperator AUROS 305-605 right version | • | • |

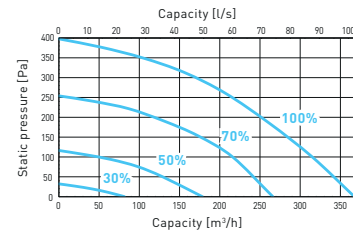
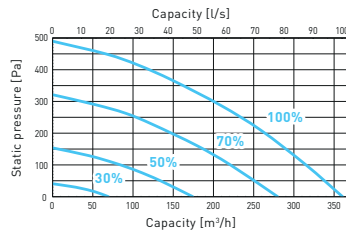


CAPACITY

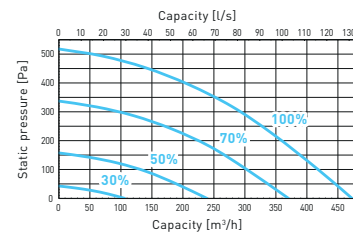
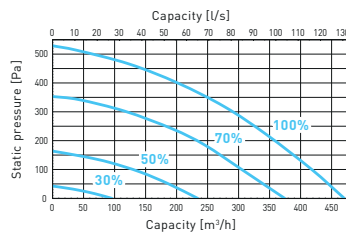
STANDARD VERSION

ENTHALPY HEAT EXCHANGER VERSION

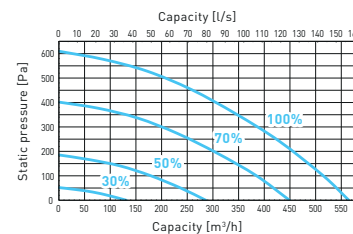
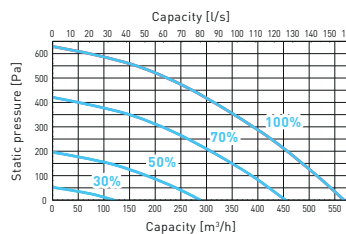
AUROS 305



AUROS 405



AUROS 505



AUROS 605

