

Aquila Series - wall mounted version

VAR305

RECUPERATOR FEATURES

- Installation positions – wall mounted or floor standing (VKNAR feet required)
- Counter-flow heat exchanger with the efficiency of up to 95%
- Energy-saving fans with Ziehl-Abegg motors
- Automatic bypass, 100% bypass, insulated
- Excellent insulation thanks to an outer housing made of EPP (expanded polypropylene)
- Tight structure preventing odours and contaminants from the exhaust air from entering the supply air
- Wireless control available (iNext module required)
- Equipped with two filters (M5/ISO ePM10) as standard
- Option of using fine filters (F7/ISO ePM1) with a higher filtration class
- Possible use of reusable pre-filter
- Possible interoperation with the air quality, carbon dioxide and humidity sensor (VSPM, VSHC, VSHW)
- Cleanable heat exchanger
- Long service life
- Anti-freeze system
- Scratch resistance of painted parts at a value of 5 H
- Antimicrobial properties of painted elements according to ASTM E2149-13a
- Possible remote control via MODBUS RTU protocol



TECHNICAL INFORMATION

| AQUILA S 305 | |
|---|--|
| INDEX | VAR305 |
| Supply voltage | 230 V AC / 50Hz |
| Power consumption | 210 W |
| Preheat coil maximum power | 750 W |
| Electrical protection class | I |
| IP protection class | IP22 |
| Capacity (at 100 Pa) | 313 m³/h |
| Maximum engine speed | 4 000 RPM |
| Noise level | 49 dB(A) |
| Type of heat exchanger | RECAIR cross - counter - flow heat exchanger (optional enthalpy) |
| Max. heat recovery efficiency | up to 95% |
| Heat exchanger material | Polystyrene |
| Housing material | EPP + powder coated steel |
| Filter - air inlet | VMSAR - M5 ISO ePM10 (optional VF7AR - F7 ISO ePM1) |
| Filter - extracted air | VMSAR - M5 ISO ePM10 |
| Pre-filter - air inlet / extracted air | VFWAR (optional) |
| Air spigots diameter | 160 mm |
| Diameter of condensate drain connector | 25/32 mm |
| Weight | 16kg (VAR305) + 5kg (VARR75-160) |
| Controller type | AERO 4 + NANO COLOR (colored) |
| Bypass | Automatic (100%) |
| Fans | 2x radial fan with EC motor |
| Internet module | VLAN iNEXT (optional) |
| Android, iOS application | YES |
| Air quality sensor | VSPM (optional) |
| CO ₂ concentration and humidity sensor | VSHC (optional) |
| Humidity sensor | VSHW (optional) |

Supplementary products

FEET VKNAR



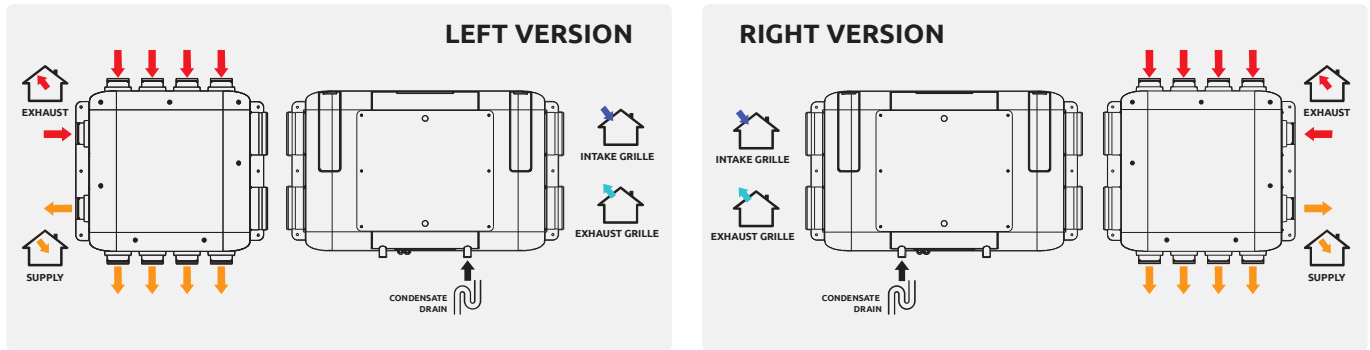
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Aquila Series - wall mounted version

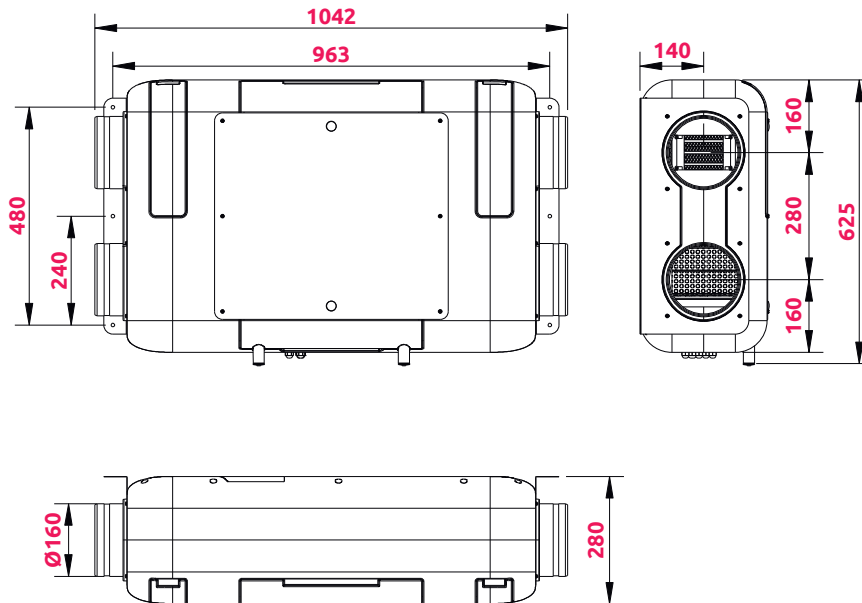
VAR305

Aquila Series



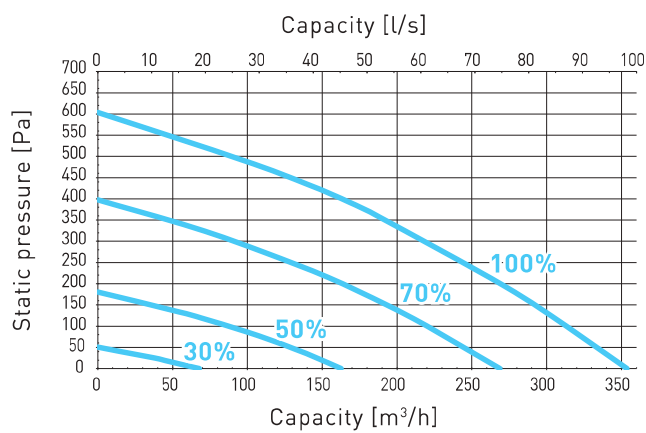
DIMENSIONS

VAR305



CAPACITY

VAR305



Aquila Series - ceiling mounted version

VARP305

RECUPERATOR FEATURES

- Installation position – ceiling mounted (suspended)
- Counter-flow heat exchanger with the efficiency of up to 95%
- Energy-saving fans with Ziehl-Abegg motors
- Automatic bypass, 100% bypass, insulated
- Excellent insulation thanks to an outer housing made of EPP (expanded polypropylene)
- Tight structure preventing odours and contaminants from the exhaust air from entering the supply air
- Wireless control available (iNext module required)
- Equipped with two filters (M5/ISO ePM10) as standard
- Option of using fine filters (F7/ISO ePM1) with a higher filtration class
- Possible use of reusable pre-filter
- Possible interoperation with the air quality, carbon dioxide and humidity sensor (VSPM, VSHC, VSHW)
- Cleanable heat exchanger
- Long service life
- Anti-freeze system
- Scratch resistance of painted parts at a value of 5 H
- Antimicrobial properties of painted elements according to ASTM E2149-13a
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| Maximum engine speed | 4 000 RPM |
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| Type of heat exchanger | RECAIR cross - counter - flow heat exchanger (optional enthalpy) |
| Max. heat recovery efficiency | up to 95% |
| Heat exchanger material | Polystyrene |
| Housing material | EPP + powder coated steel |
| Filter - air inlet | VMSAR - M5 ISO ePM10 (optional VF7AR - F7 ISO ePM1) |
| Filter - extracted air | VMSAR - M5 ISO ePM10 |
| Pre-filter - air inlet / extracted air | VFWAR (optional) |
| Air spigots diameter | 160 mm |
| Diameter of condensate drain connector | 32 mm |
| Weight | 16kg (VAR305) + 5kg (VARR75-160) |
| Controller type | AERO 4 + NANO COLOR (colored) |
| Bypass | Automatic (100%) |
| Fans | 2x radial fan with EC motor |
| Internet module | VLAN iNEXT (optional) |
| Android, iOS application | YES |
| Air quality sensor | VSPM (optional) |
| CO ₂ concentration and humidity sensor | VSHC (optional) |
| Humidity sensor | VSHW (optional) |

Supplementary products

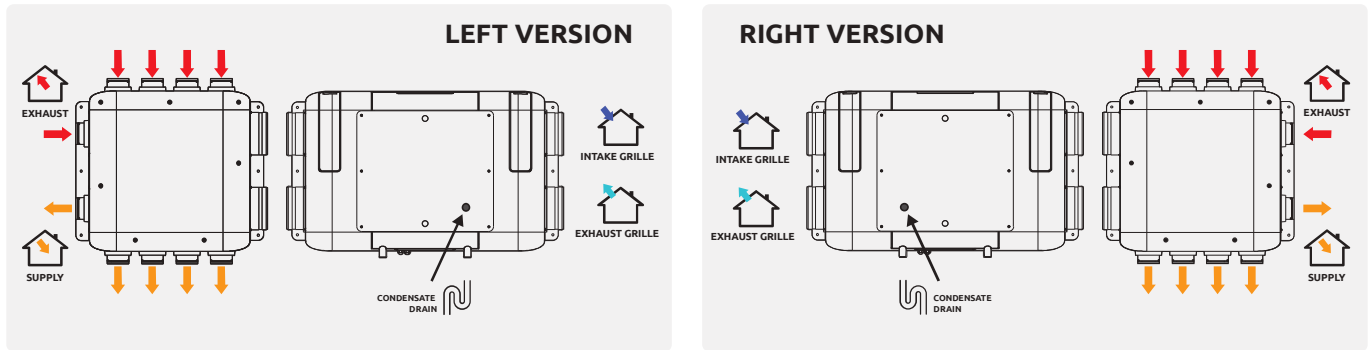
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Aquila Series - ceiling mounted version

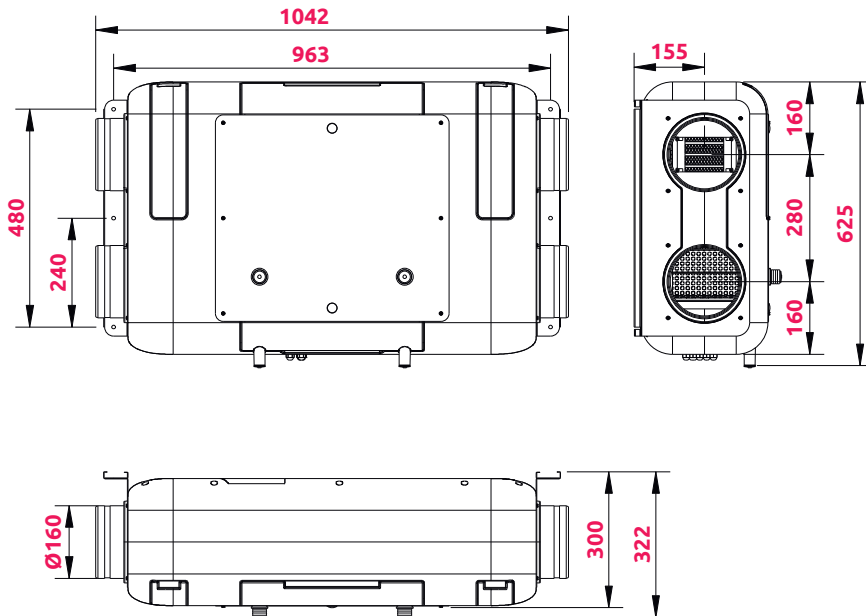
VARP305

Aquila Series



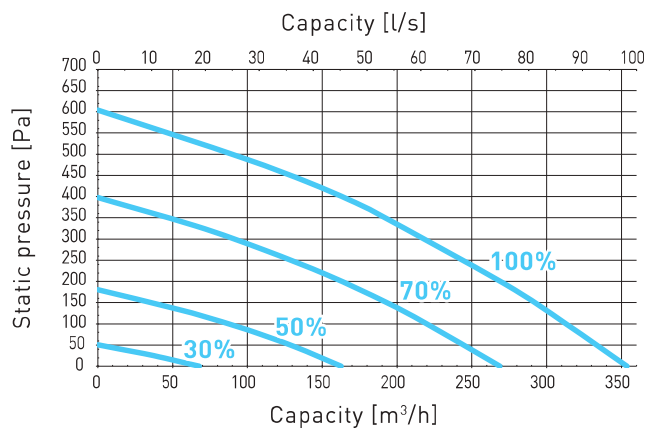
DIMENSIONS

VARP305



CAPACITY

VARP305

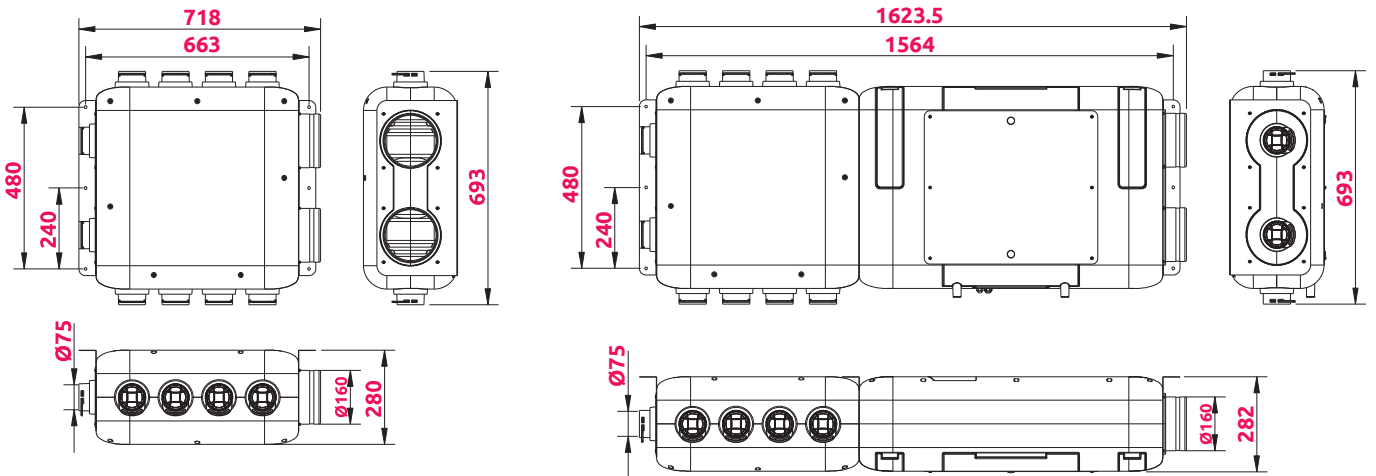


PRODUCT DATA SHEET

Distribution unit for Aquila heat recovery unit

VARR75-160, VARR75-160K

- Dedicated distribution unit for the Aquila series heat recovery units, connection of up to 10 ducts
- Ø75 mm (5 supply ducts + 5 exhaust ducts). It is used to distribute the supply air and collect used air from rooms connected to the recuperation system
- The distribution unit can be combined with the air handling unit or moved to any suitable location and connected by means of ventilation ducts f160 (version VARR75-160K)
- The distribution unit housing is made of EPP (expanded polypropylene), which has a significant effect on the volume level by absorbing vibrations
- The product is of the highest tightness class (D), insulating heat perfectly while being stable over a wide temperature range (from -40°C to +60°C). What is more important, expanded polypropylene is not conducive to mould and mildew
- The distribution unit is compatible with the left and right versions of the heat recovery unit. The spigot diameter of the unit is Ø160 mm
- The distribution unit replaces the traditional distribution box



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