CW Micra offers a simple and effective solution for energy-saving ventilation of individual rooms in flats, cottages, workshops, commercial premises and provides air filtration, air supply to the premise and extract air removal.

The extract air thermal energy is transferred to intake air that flows through the aluminium heat exchanger with recuperation efficiency up to 80%.

Heat exchanger allows recuperating extract air thermal energy to warm up supply filtered air, saving in such a way heating costs and thermal energy consumption during winter time.

The unit includes three-speed supply and exhaust axial fans assembled with DC motors with the air capacity up to 60 m³/h.

Air capacity is regulated by incorporated automation system with three operating (air capacity) modes through the speed switch. The unit is equipped with two built-in G3 filters for purification of supply and extract air.

### Features
- Easy wall mounting
- Air capacity up to 60 m³/h
- Recuperation efficiency up to 80%
- Three operating (air capacity) mode – 30/45/60 m³/h
- Low energy demand (from 4.2 up to 15.4 W)
- Silent operation (22-32 dBA)
- Compact heat- and sound-insulated casing
- Built-in G3 filters for purification of supply and extract air.

### Technical data CW Micra

<table>
<thead>
<tr>
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E-mail: export@vents.kiev.ua
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## Passive heat exchanger PR 150

PR 150 is a unit designed to save thermal energy by means of heat recuperation and is an essential component of energy-saving solutions used for buildings and premises. A passive heat exchanger unit is an integral component of modern buildings. The heat exchanger allows recuperating extract air thermal energy to warm up supply filtered air, saving in such a way heating costs and thermal energy consumption during winter time. The passive heat exchanger is designed for joint operation with supply and exhaust fans (e.g. VENTS VK 150) and connection to 150 mm round air ducts. The unit consists of the aluzink casing internally filled with 15 mm penophole thermal- and sound-insulation layer; cross-flow plate heat exchanger made of aluminium or polystyrene; replaceable G4 filters for purification of supply and extract air.

### Features:

- Heat- and sound-insulated corrosion-resistant casing
- High efficient cross-flow heat exchanger made of aluminium or polystyrene
- Recuperation efficiency up to 75%
- Built-in G4 filters for purification of supply and extract air
- Compact size and low weight

## Compact-sized air handling unit VENTS VUE 100 P mini

The compact single-room supply and exhaust ventilation unit VENTS VUE 100 P mini offers a simple and effective solution for energy saving ventilation of individual rooms in flats, cottages, workshops and commercial premises. The unit provides air filtration and air supply to the room and removal of extract air from the room. The extract air thermal energy is transferred to intake air that flows through the paper heat exchanger. The paper cross-flow heat exchanger provides recuperating not only thermal energy but moisture as well which result in best air humidity balance in the room. The thermostatic switch inside the unit casing serves to protect the heat exchanger against freezing in winter period. It switches the supply fan off to warm up the heat exchanger with warm extract air flow from the room. The unit is designed for installation above the false ceiling and connection to 125 mm round air ducts. The basic modification of the VUE 100 P mini includes the aluzink casing internally filled with 5 mm izofol thermal- and sound-insulation layer; three-speed centrifugal fans of supply and exhaust type; replaceable G4 filters for purification of supply and extract air; thermostatic switch; P3-1-300 speed switch.

### Features:

- Energy efficient ventilation of individual premises up to 50 m²
- Three operation (air capacity) modes – 57 m³/h, 78 m³/h, 106 m³/h
- Thermal energy recuperation up to 68%, moisture recuperation – up to 65%.
- Low noise level (from 24 up to 41 dBA)
- Built-in G4 filter for purification of supply and extract air
- Low energy demand (30-56 W)
- Compact size (590х355х195 mm)

## Reverse ventilation units with heat recovery

Single-room ventilation units VENTS CWP-MA and VENTS CWM-VN offer a simple and effective solution for air supply and controllable ventilation of individual rooms in flats, cottages, workshops, commercial premises in ready-built buildings with little technological possibility and economical reasonability for arranging a centralized ventilation system. The ventilation units are the ready-to-use equipment that provides air filtration, supply and exhaust with recuperation of the extract air thermal energy for warming up of the supply air that flows through the ceramic heat exchanger. High-efficient heat exchanger and reverse fan operation reduce heating and cooling costs and provide required indoor air moisture balance.

### CWM-VN 60

The ventilation unit CWM-VN 60 is designed for through-the-wall external mounting with use of a special square telescopic duct with adjustable length from 255 mm up to 475 mm. The fan is equipped with a design decorative grille with automatically controlled louver shutters that are closed during the fan standby and prevent thermal energy loss and cold air backdraft. To prevent the unit from water penetration and object ingress into the fan the ventilation unit is equipped with an external cowl from outside.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust mode at min. speed</td>
<td>25 m³/h</td>
</tr>
<tr>
<td>Exhaust mode at max. speed</td>
<td>50 m³/h</td>
</tr>
<tr>
<td>Supply mode at min. speed</td>
<td>25 m³/h</td>
</tr>
<tr>
<td>Supply mode at max. speed</td>
<td>50 m³/h</td>
</tr>
</tbody>
</table>

### CWP-MA 50

Ventilation unit CWP-MA 50 is designed for through-the-wall external mounting with a special telescopic duct with adjustable length from 250 mm up to 470 mm. The fan is equipped with a design decorative grille that has ergonomic design. To prevent the unit from water penetration and object ingress inside the ventilation unit is equipped with an external cowl from outside.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust mode at min. speed</td>
<td>25 m³/h</td>
</tr>
<tr>
<td>Exhaust mode at max. speed</td>
<td>50 m³/h</td>
</tr>
<tr>
<td>Supply mode at min. speed</td>
<td>25 m³/h</td>
</tr>
<tr>
<td>Supply mode at max. speed</td>
<td>50 m³/h</td>
</tr>
</tbody>
</table>

### Operation mode (air capacity) control

- Effective ventilation of individual rooms up to 50 m²
- Supply and exhaust reverse ventilation
- Two-speed reverse DC motor with low energy demand (3.5-4.6 W)
- Operation mode (air capacity) control

### Features:

- Recuperation efficiency up to 91%
- Low noise level 22-29 dBA
- Built-in G3 filters for purification of supply and extract air
- Protection rating IP 45
- Operation at ambient temperature from -20 to +50° C