Silent Comfort Plus/LAW
Decentralized sound insulation ventilation unit for a comfortable supply of fresh air into single rooms with a high protection against external noise, fine dust and pollen etc.

Silent Comfort Plus

› **intelligent Control**
  Operating directly on the device
  Air performance in 10 steps
  ready for immediate use

› **Numerous program functions**
  Continuous operation,
  pulse ventilation,
  Moisture protection statically and dynamically

› **External switch contact**
  for optional extension of an extended functions eg Light caster, outside temp etc ...

› **Sound insulation:** 50 dB, D_{new}

1. Room-sided Plus design cover
   - fully thermally insulated housing
   - adjustable air outlet roll
   - adjustable air guidance
   - toolless revision / filter exchange

2. Ring module set for the reveal
   - adjustable, modular expansion / shortened
   - for wall constructions from 330 mm
   - Flat duct 30mm, telescopic / adjustable on construction tolerances and adjustable
   - Reveal connection with condensate drain

3. System support unit with fan
   - energy efficient EC fan
   - especially quiet operation
   - with flow rectifier and integrated protection screen
   - without tools for inspection

4. Hygiene filter / SD inlays
   - standard G3 / optional Allergy F6
   - Filter replacement without tools
   - additional protection against external noise by
   - optional assembly of SD elements
   - anytime without tools

5. Aluminum facade connecting
   - homogeneous / unobtrusive appearance
   - highest material quality
   - with insect protection
   - Quick mounting Connection on the reveal
   - smallest dimensions
   - numerous options for different reveal versions
Decentralised supply air with high sound insulation function for sound-sensitive bedrooms, living rooms, offices, etc.

The particularly compact dimensions of the Eco Comfort Plus offer themselves for decentralized installation in almost all exterior walls (290 mm) in the new building as well as in renovation buildings.

The intelligent control system is already integrated ready for connection in sound absorbing ventilators and ready for immediate operation. Many program functions allow a highly user-oriented and mainly demand ventilation of individual rooms (bedrooms, living rooms Offices etc.)

In line with the Energy Saving Ordinance (EnEV) and the applicable guidelines and planning standards for residential ventilation, sound absorbing ventilators can be the Silent Comfort Plus series quickly and easily integrated in ventilation cross ventilation concepts and are also designed for an exceptionally quiet and comfortable continuous operation. Interesting and future-proof at the same time: the supply air can repurpose within one minute to air device!

Silent Comfort Plus sound absorbing ventilators are factory equipped already with a Airstatic Hygiene filter G3 class. With optional equipping a Airstatic F6 filter allergy sufferers can breathe at last. The filter change, as well as the revision of the system carrier can be done completely without tools.

Selectable program features

1 Continuous ventilation
   (left Prog LED lights up)

   The device runs in continuous operation at the preset ventilation level (e.g. ventilation concepts with external wall sound absorbing ventilators Series Air-Control)

2 Draft ventilation
   (right Prog LED lights up)

   This program function enables within 6 hours a short recurring operating the fan for 15 minutes in the standard program. After 6 hours, the cycle begins again.

3 Moisture protection "static"
   User needs exhaust air (with internal hygro sensor, optional). As soon as the pre-set humidity is reached, starts the exhaust operation at the selected ventilation level until the R..H. is 10% lower than the pre-set humidity setpoint

4 Moisture protection “dynamic”

   As before, however, starts the exhaust air only when the pre-set humidity value within the last 10 minutes, by more than 10% RH rises above the predetermined maximum value. This 3 stages the device starts to run over the preselected ventilation level and switches on reaching the desired humidity back to the pre-set Ventilation level

Your most important advantages at a glance

- Fresh air and moisture protection around the clock
- Ventilation with the windows closed for best protection against burglary and insect protection
- Protection against fine dust / pollen-allergic protection
- Moisture protection and building maintenance
- In winter: high primary energy savings
- In summer: optimal reduction of thermal loads
- Silent and power-saving EC fans
- Integrated sound insulation
- easiest control / Operation
- duct free and installation without tools
- optimum air hygiene / easy operation
- for new and renovated buildings; all wall constructions
- durable units components and high-quality materials such as ABS, stainless steel or aluminum guarantee maximum longevity
Device components

**Eco Comfort Plus/LAL**

The entire ventilation system has a modular structure and therefore the task accordingly configurable, tailored to the assembly steps following modules / kits can be ordered.

**Appliance unit / Final Assembly Set**

SCP 160-RET-1SD
Art.-No.: 1410-0000VX
Sound protection **55 dB, D<sub>n0</sub>**
contain the following compound
Rough construction Ring Module Set

**Rough construction Ring Module**

Building physics optimized, thermally insulated pipe system made of PS / PC-ABS, with integrated clamping pockets, VLE-centering and assembly protective cover.
Length 300 mm, can be extended / shortened

**Facade connecting**

System conformer facade border in high-quality stainless steel design (optional white powder coated, similar. RAL 9016) incl.
Air / condensate guide louvre
Dimensions H / W / D: 220/200x45 mm also in ABS-plastic

**Intigated Controller**

Comfort control with numerous program functions concealed arranged enables need-based use with maximum user flexibility.

**Replacement filter**

Original Ventomaxx International hygienic filter replaced without tools
Pay attention to your health and use only VOC-free tested original filter

**Additional accessories for specific projects on request. / after technical clarification.**
## Technical data

### Silent Comfort Plus

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<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tr>
<td><strong>Series / device version</strong></td>
<td><strong>Silent Comfort Plus / LAW</strong></td>
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<tr>
<td><strong>Regulation / control</strong></td>
<td>in device / Internal</td>
</tr>
<tr>
<td><strong>Air power level 10-stages, [ m³/h]</strong></td>
<td>~ 15</td>
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</table>
| **Program functions**                                                     | Continuous ventilation  
Moisture protection „static“  
Moisture protection „dynamic draft ventilation“ |
| **Fan typ**                                                               | EC, radial, digital                                                           |
| **Power consumption (complete device active power 70% Vmax)**             | 9.5 Watt                                                                      |
| **Connection voltage (control), at 50 Hz (international wide range)**    | 95 – 260 Volt – AC                                                            |
| **Operating voltage (station)**                                           | 230V AC/24V DC                                                                |
| **Power connection**                                                      | Fixed line / mains plug (optional)                                            |
| **Sound pressure level **/Relaxation room suitable** (In Level 1 to 5, Level max. ca. 41 dB) | ~ 17 – 29 dB                                                                  |
| **Sound proofing (from outside noise) ** (standard sound level difference) | 49 dB, $D_{n,0}$ (according to test Z46)  
50 dB, $D_{n,0}$ (according to test Z49) |
| **Filter** (F6 optional)                                                  | AirStatic G3                                                                   |
| **Design-Room cover** (similar RAL 9003)                                  | ABS white / thermally insulated                                               |
| **Casing dimensions HxWxD**                                               | ca. 280x218x55 mm                                                             |
| **façade border** (conform to the system made of stainless steel or aluminum with condensate drain) | optional, Color at your choise                                           |
| **Nominal length (with optional add-on module VLE 150)**                 | 300 mm (380 mm)                                                               |
| **Weight**                                                                | ca. 3 kg                                                                      |

The suitable rough opening (about 185-200 mm) is project related (round or square) set so that it is always sufficiently covered by the selected device aperture during the final assembly. We will gladly provide the necessary dimensional drawings available on request.

* Performance is based on 5 levels, more levels can be selected as intermediates  
*** Measured surface sound pressure level measurement in the exhaust air mode Lpf  
*** Measured according to EN 140-10 / EN ISO 140-2 / EN ISO 717, acc. Test certificate ift Rosenheim

### Notes

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