



Home Ventilation with Ne^{xt}, the evolution

NEW

Ne^{xt}

The LUNOS Ne^{xt} – all features at the highest level

The Ne^{xt} is a decentralized heat recovery unit, which combines the advantages of centralized and decentralized ventilation and, at the same time, one of the quietest units that currently exist in this class. From now on, several rooms can be operated with only one device. The Ne^{xt} achieves a heat recovery rate of up to 90 %. The heat transfer is effected by a crossflow heat exchanger or, optionally, by a counterflow heat exchanger. The power consumption starts from 5 watts and airflow levels of more than 90 m³/h can be achieved.

The Ne^{xt} is topped off by a completely new operating concept. Placed behind an elegant screen, the control, when operated, provides a clear but subtle feedback by backlighting. By default, the Ne^{xt} is controlled via humidity or temperature sensors. It is installed directly in the outer wall. Both a surface-mounted and a flush-mounted version are available. The well-known 160 wall-tube is used for the duct to the outside.

› Wall duct with 160 wall-tube, electronically closable backdraft shutter optional

› Optimised ec radial fans for lowest running noise

› Replaceable pocket filters for filter classes M5, F7 and F9 available



› Two-channel outer screen with insect screen

› Housings for surface and flush mounting available

› Integrated control with humidity and temperature sensors, can be extended with further sensors

› Heat exchanger available in two versions

› Inner screen with control panel and filter change indicator

Heat Recovery

in the decentralised system



QUIET

› Low noise level thanks to ec technology

While the well-known e² with its axial ec technology has already achieved top ratings, the radial ec motors of the Ne^{xt} are convincing all along the line. Nestled in a flow-optimised EPP chassis, the ec motors, which are already very quiet, are virtually "silenced". Thereby, the Nexxt is currently one of the quietest units in its class.

ECO-FRIENDLY

› Efficiency

Thanks to its very low power consumption, the Ne^{xt} is very energy-efficient, thus making an active contribution to environmental protection. The highly efficient ec technology enables a low power consumption.

INNOVATIVE

› Heat recovery & control technology

The key component of the Ne^{xt} is the built-in device with heat exchanger, which is available in two versions:

NXT-K: The crossflow heat exchanger achieves heat recovery levels of up to 80 %.

NXT-G: The bigger counterflow heat exchanger has a significantly higher efficiency providing a heat recovery level of up to 90 %.

The integrated control provides for perfect interaction of the various components. Equipped with humidity-temperature sensors, even the standard version of the automatic control ensures efficient ventilation with humidity protection. Optional sensors such as, for example, the CO₂ sensor can be integrated or connected by the EnOcean wireless technology.

SLIM

› LUNOS design line

The Ne^{xt} adds the waveform to the current design language of LUNOS products while maintaining its basic principles and recognition value. With an inner screen size of 510 x 510 mm, the fan thus remains a stylish element of home technology. The front screen also contains the plainly designed control panel. The total depth of 240 mm can be lowered up to 67 mm into the outer wall.

COMPATIBLE

› LUNOS compatibility

By using the 160 LUNOS standard wall-tube as wall duct, the Ne^{xt} is compatible with the fans of the 160 series. Only for the outer covering a two-way outer screen or outer hood must be used. In the surface-mounted version, it is particularly easy to replace a 160 fan by the Ne^{xt}.

UNIVERSAL

› The Ne^{xt}- housings can be used universally

Developed for the outer wall, the fan can be installed in the surface-mounted or flush-mounted version. The flush-mounted version requires a wall thickness of at least 240 mm.



Ne^{xt}

A modular system for

NEW

Ne^{xt} modular system

› Functions

In both versions of the built-in device, the Ne^{xt} is equipped as standard with humidity-temperature sensors both on the supply air and the exhaust air side. Thereby, the rooms are always ventilated automatically and in accordance with the respective requirements. Manual intervention is not necessary. For additional sensors and the radio module 5/FM there are slots available on the control board. The Ne^{xt} can be integrated into an EnOcean wireless network via the radio module and thus receive information from external sensors. In addition, a WiFi module will be available by which the Ne^{xt} can be remotely controlled via WLAN. There are two inner screens for the operation of the Ne^{xt} available for your selection. They are equipped with the following functions:

- Airflow levels adjustable:
0-90 m³/h
- Automatic: Activation of the humidity-temperature control
- Summer mode: The humidity-temperature control automatically switches the fan down to a lower step
- Anti-freeze function: The airflow level is reduced to prevent freezing of the heat exchanger
- Filter change indicator

the perfect fan



> Configuration Ne^{xt}

The modular system of the Ne^{xt} enables easy combination of the various components with the two built-in devices. Five components are required to complete one fan. One product needs to be chosen for each component, so that the selection is complete:

Built-in device	Housing	Wall-tube + adapter *	Inner screen	External closure
Built-in device NXT-G 	Built-in housing without surface mounting set: 3/NXT  or	500 mm length: 9/R 160-500  Adapter 2/AD 160  or	With membrane keyboard: 9/NXT-IBF  or	Two-way outer screen: 1/EGA  or
Built-in device NXT-K 	Built-in housing with surface mounting set: 3/NXT + 3/NXT-AP 	700 mm length: 9/R 160-700  Adapter 2/AD 160  or	With high-quality control element: 9/NXT-IBP 	Two-way outer hood: White 1/HWE-2 Anthracite 1/HAZ-2 

* An adapter is required per each 10 cm wall-tube or part thereof



Electric flap closure

The electric flap closure 9/KVEN-2 for the Nexxt based on the 160 pipe is available as an option. It can be used to close the wall duct automatically if required.