

Helios easyControls 3.0

Smart, intuitive and individual: Helios KWL[®] with **easy**Controls 3.0



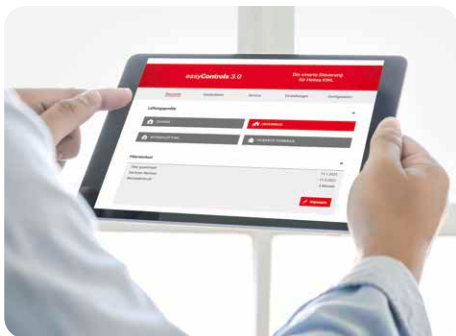
The result of 30 years of experience.



Controlled domestic ventilation with heat recovery (KWL) is virtually indispensable in modern single family houses and apartment buildings. Whether it's a new building or renovation, a KWL system not only creates a healthy and comfortable climate, but it also ensures maximum efficiency. Up to one third of heating costs are saved thanks to the highly-effective heat exchanger. A good choice – in the long term!

As **pioneers of this technology**, we recognised the many advantages of a KWL system 30 years ago and continuously developed the technology since then.

Our latest development – the smart control concept **easyControls 3.0** – now takes KWL to the next level: Even more convenient and intuitive as well as individually adjustable. The result is optimal ventilation for every requirement.

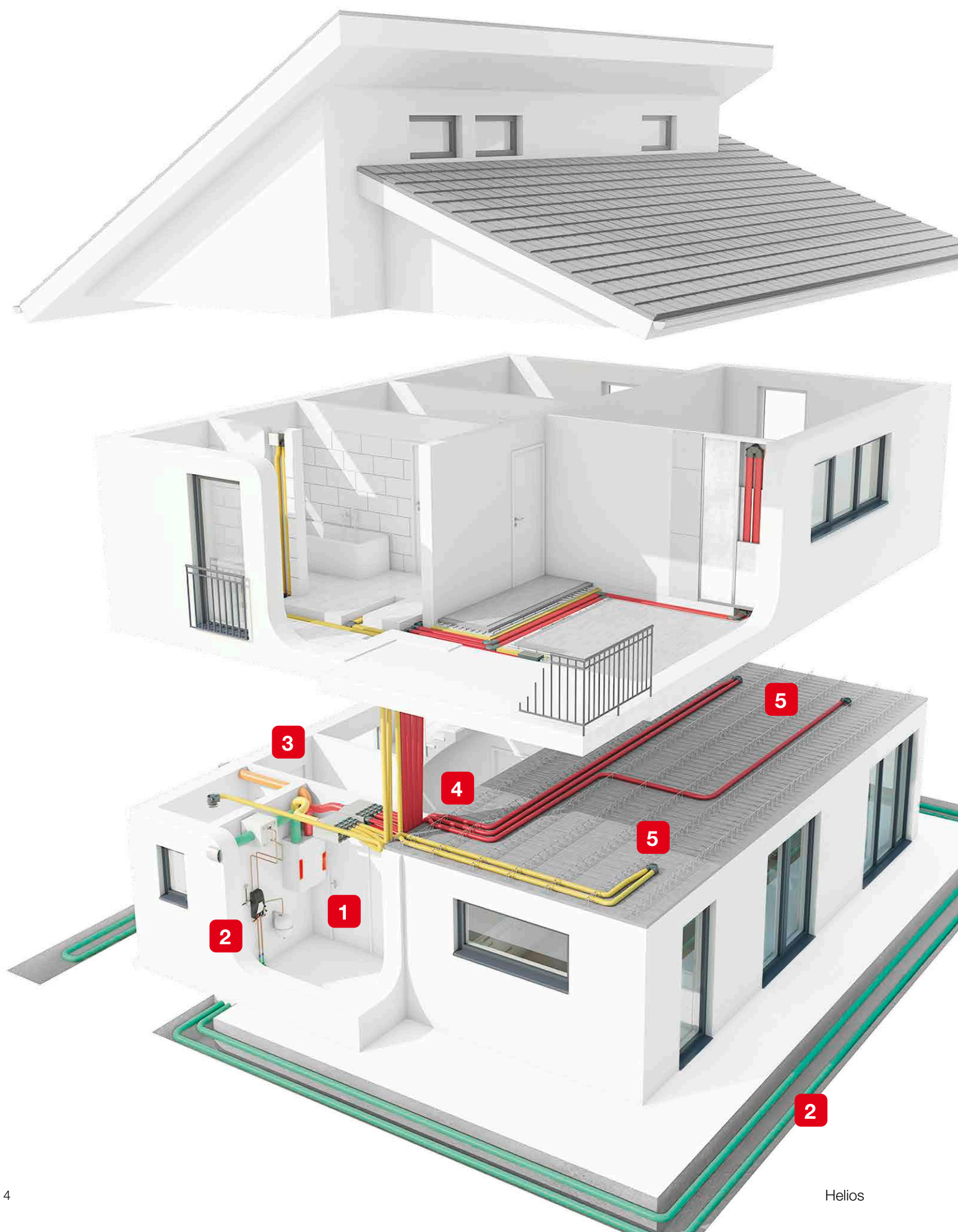


Helios KWL® offers many advantages:

- Perfectly coordinated solutions for simple planning, easy installation and optimal efficiency.
- The new control concept easyControls 3.0 can be individually adapted to the needs of residents.
- Manual control via the control element, internal web server or from any location via the Cloud.
- Innovative filter concept: optionally with multi-level system and extremely simple filter replacement.
- Design award-winning air inlets and outlets can be optimally and discreetly integrated in any room atmosphere.



Find out more
on YouTube!



How Helios KWL[®] works in a safe way:

In addition to reliable individual components, it is mainly the integrated overall concept that counts when it comes to KWL systems. Only perfectly harmonised components lead to the best results.

We therefore offer integrated, coordinated KWL system solutions and thereby guarantee simple planning, safe assembly and the maximum efficiency for every requirement.

Stale extract air, which is contaminated with humidity, harmful substances and odours, is extracted from kitchens, bathrooms and toilets via design award-winning ventilation valves into the ventilation unit heat exchanger.

The intake air which flows through these valves and absorbs the heat energy from the extract air with a tested efficiency of up to 90 % is hermetically separated at the same time. This process can be energetically optimised by connecting a ground heat exchanger. The filtered and preheated supply air flows through disc valves and other air inlets into the living rooms and bedrooms and creates a healthy and comfortable climate around the clock.

Overflow elements ensure the air circulation within the room unit. The exhaust air is discharged to the outside via a roof outlet or wall outlet.

1



**Ventilation unit
with heat recovery**

2



**Ground-to-brine/air
heat exchanger**

3



**Insulated ducting
system IsoPipe[®]
for intake and
exhaust ducting**

4



**Air distribution sys-
tem FlexPipe^{® plus}
for extract and
supply air**

5



**Accessories such as
silencers, air inlets
and outlets, etc.**

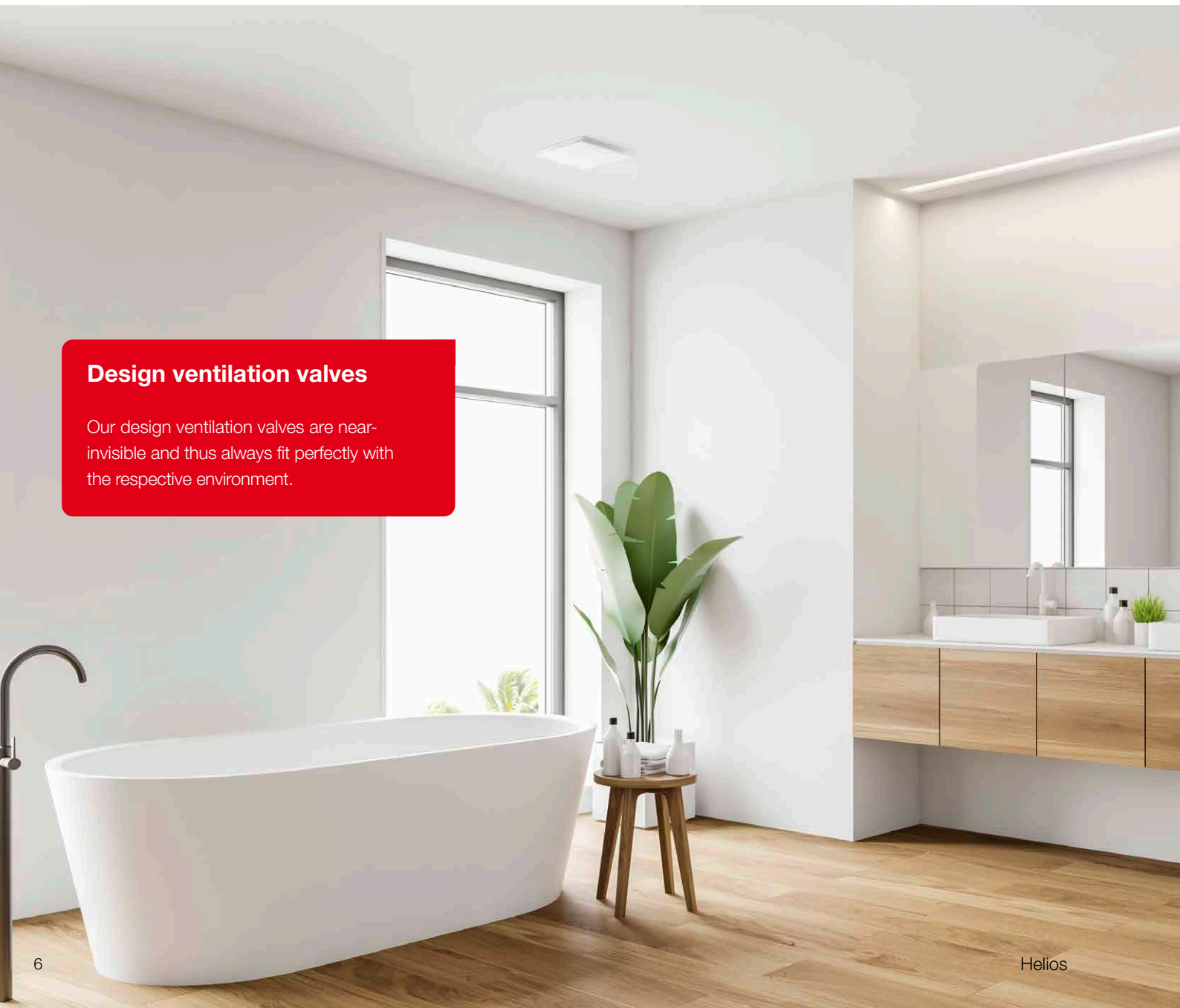
We are not only developing innovative ventilation systems – **comfort and aesthetics also play a major role.**

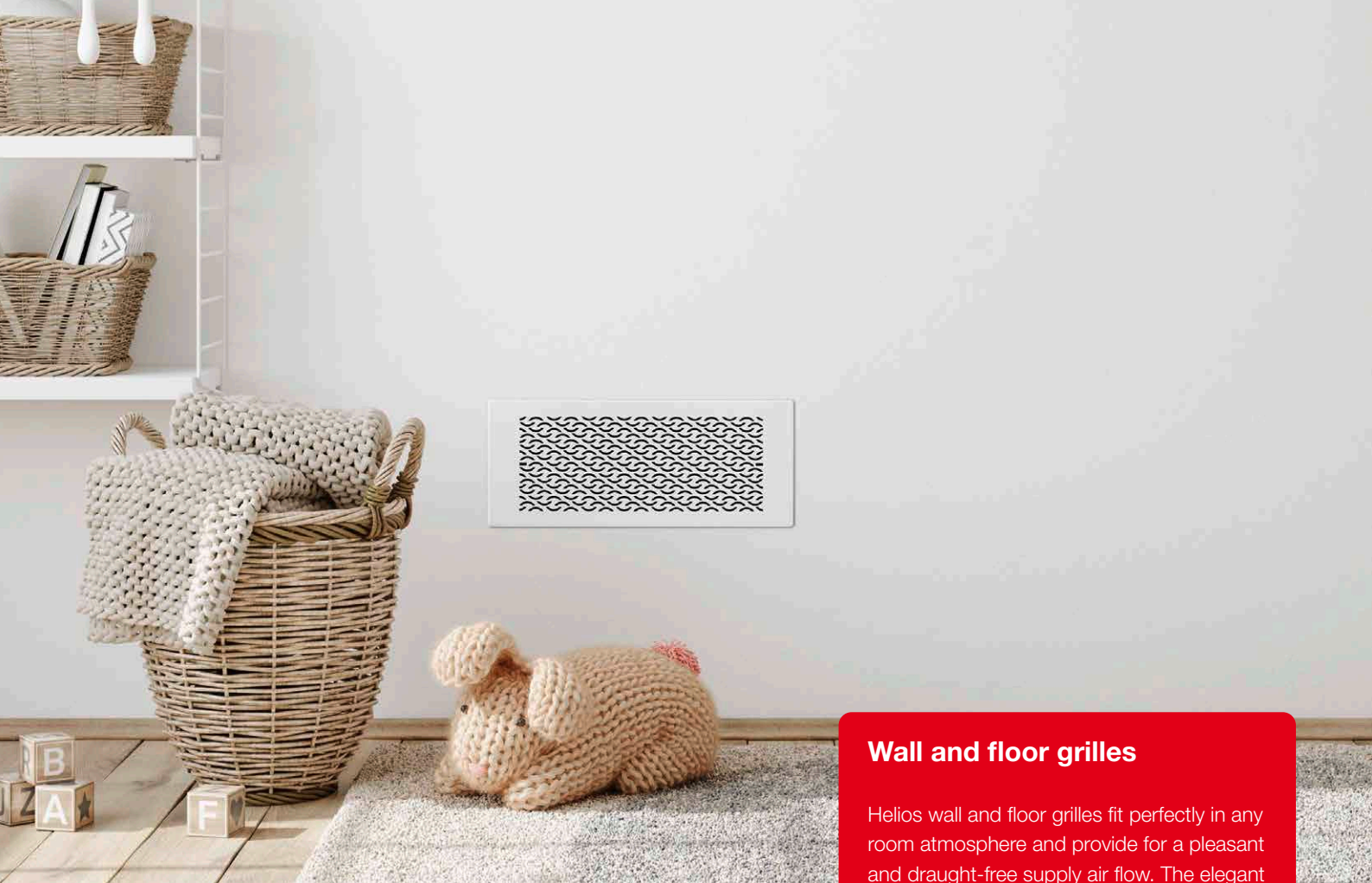


Harry Haas,
Sales Director KWL

Design ventilation valves

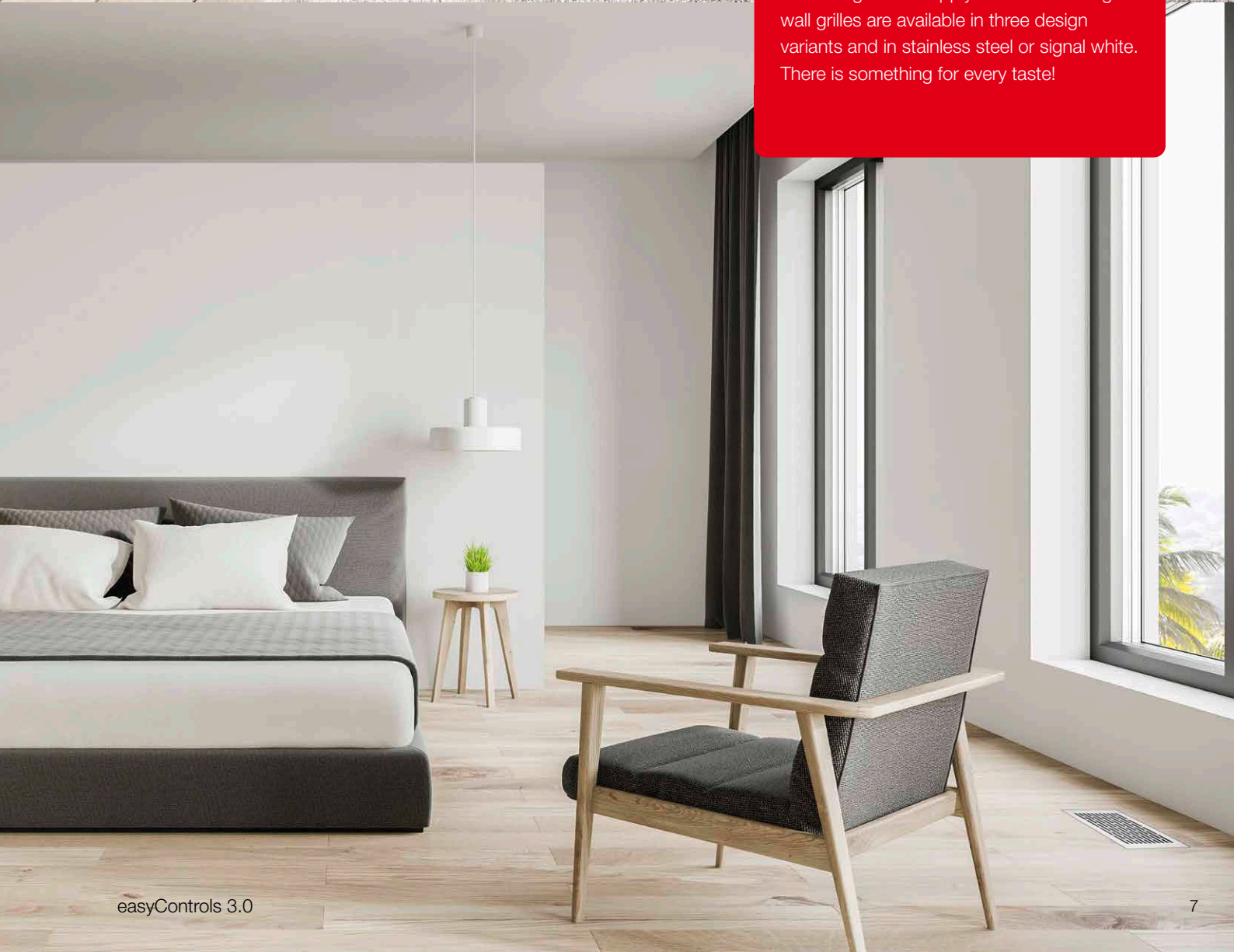
Our design ventilation valves are near-invisible and thus always fit perfectly with the respective environment.





Wall and floor grilles

Helios wall and floor grilles fit perfectly in any room atmosphere and provide for a pleasant and draught-free supply air flow. The elegant wall grilles are available in three design variants and in stainless steel or signal white. There is something for every taste!





NEW Helios easyControls 3.0.

The revolution of individual control.

Your needs – our solution:

With Helios easyControls 3.0, you can not only expect a new control generation, but also a new range with optimal flow rate capacity for unlimited applications and maximum energy efficiency.

The new, intuitive control concept easyControls 3.0 can be easily adapted to the individual needs of residents and it can be manually controlled via the control element, internal web server or from any location via the Cloud as required. It's that simple!

Highlights:

- Smart touch control element in black and white, compatible with almost every switch range.
- Customised ventilation: adjustable weekly programme or fully automatically via room air quality sensors.
- Unit access via PC or Smartphone – also on the move via the new easyControls 3.0 Cloud.

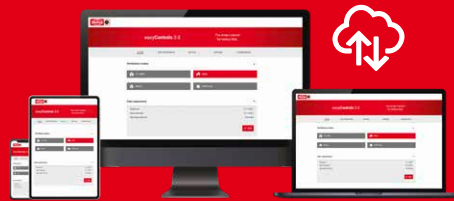
This sets a new standard for a smart, modern control system. Or simply put: Helios easyControls 3.0, which we will present to you in detail on the following pages.



- 10 Functional principle
- 12 The control system highlights
- 14 Demand-controlled ventilation
- 16 Web server and Cloud

The control system with unlimited possibilities: **Helios easyControls 3.0.**

**Controllable anywhere
and at any time, whether
at home or on the move.**



Building control system

- ModBus interface (integrated)
- KNX-EIB module (optional)

Demand-controlled ventilation with sensors

- FTF rel. humidity (1x integrated)
- CO₂
- VOC mixed gas

Manual control elements

- Modern touch control element
- Discreet 3-level slide switch



Maximum flexibility in selecting the control elements

If no PC networks are available, or if manual access is preferred, easyControls can be controlled via a modern touch control element or a discreet slide switch.

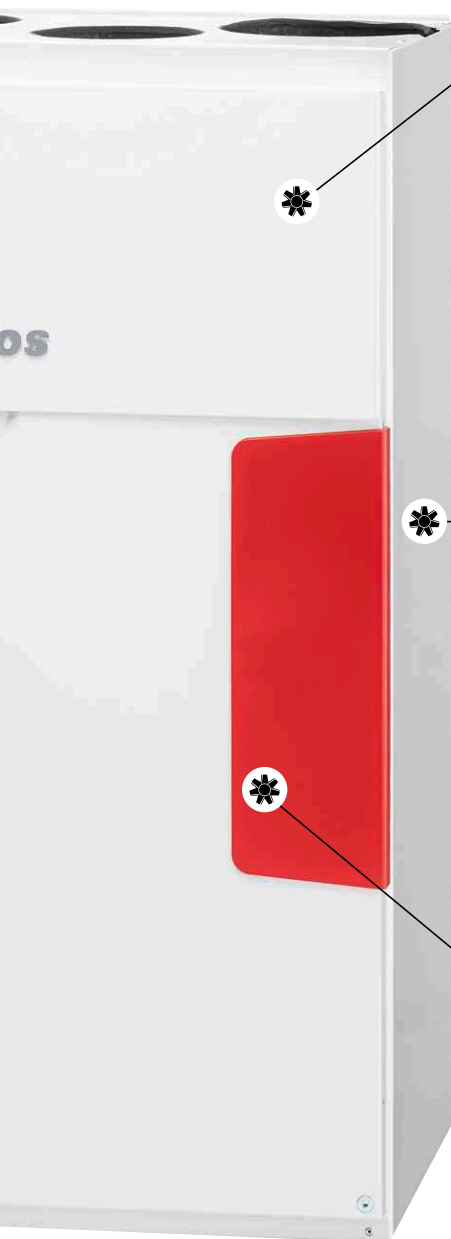
- Touch control element in white or black
- 3-level switch in white





Fully automated ventilation with comfort room sensors in 3 versions

- Relative humidity sensor
- VOC sensor
- CO₂ sensor



Easy integration in the building control system

The KWL units can be easily integrated in a building control system network via the standard Modbus interface (RTU) or an optional KNX module.

Extension module for even more options

For the connection of accessories such as shutters, ground heat exchangers for intake air preheating or post-heaters (either warm water or electric heating element).



Modern and intuitive: The new touch control element.



The ventilation unit can be adapted to individual paces of life by creating a weekly programme and by selecting from four different ventilation profiles.



The dark mode always ensures the best readability – even at night thanks to its illuminated screen.



The control element can be integrated in common switch ranges and fits perfectly in any living environment.



Modern and intuitive user navigation due to the self-explanatory interface.



The system can also be controlled with mobile devices, such as notebooks, tablets or smartphones, from home or any location, as desired.



The status of the selected ventilation profile, temperature and sensor values as well as filter replacement notifications can be viewed at any time.



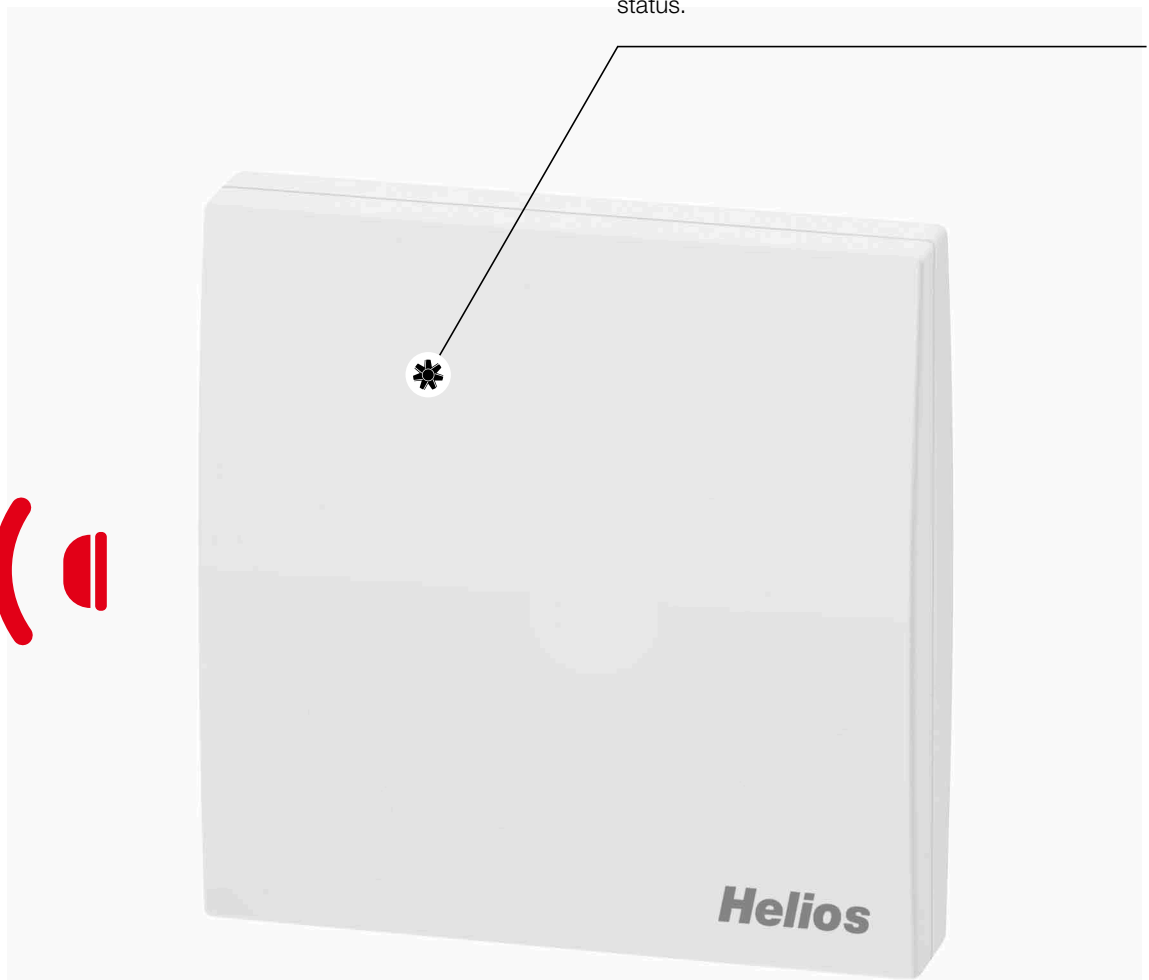


Always fully automatic the best air quality.

With easyControls 3.0 and demand-controlled humidity, CO₂ or VOC room sensors, your KWL unit will fully automatically ensure an optimal indoor climate at all times and reliably remove air contamination from e.g. cooking or showering. This saves energy and also creates maximum living comfort in all rooms.

Room sensors

A VOC sensor, for example, automatically detects when odours are created when cooking and optimally adjusts the ventilation to the respective status.



Make yourself comfortable: With easyControls 3.0.

Are you looking for a KWL unit that operates fully automatically at the optimal level at all times?

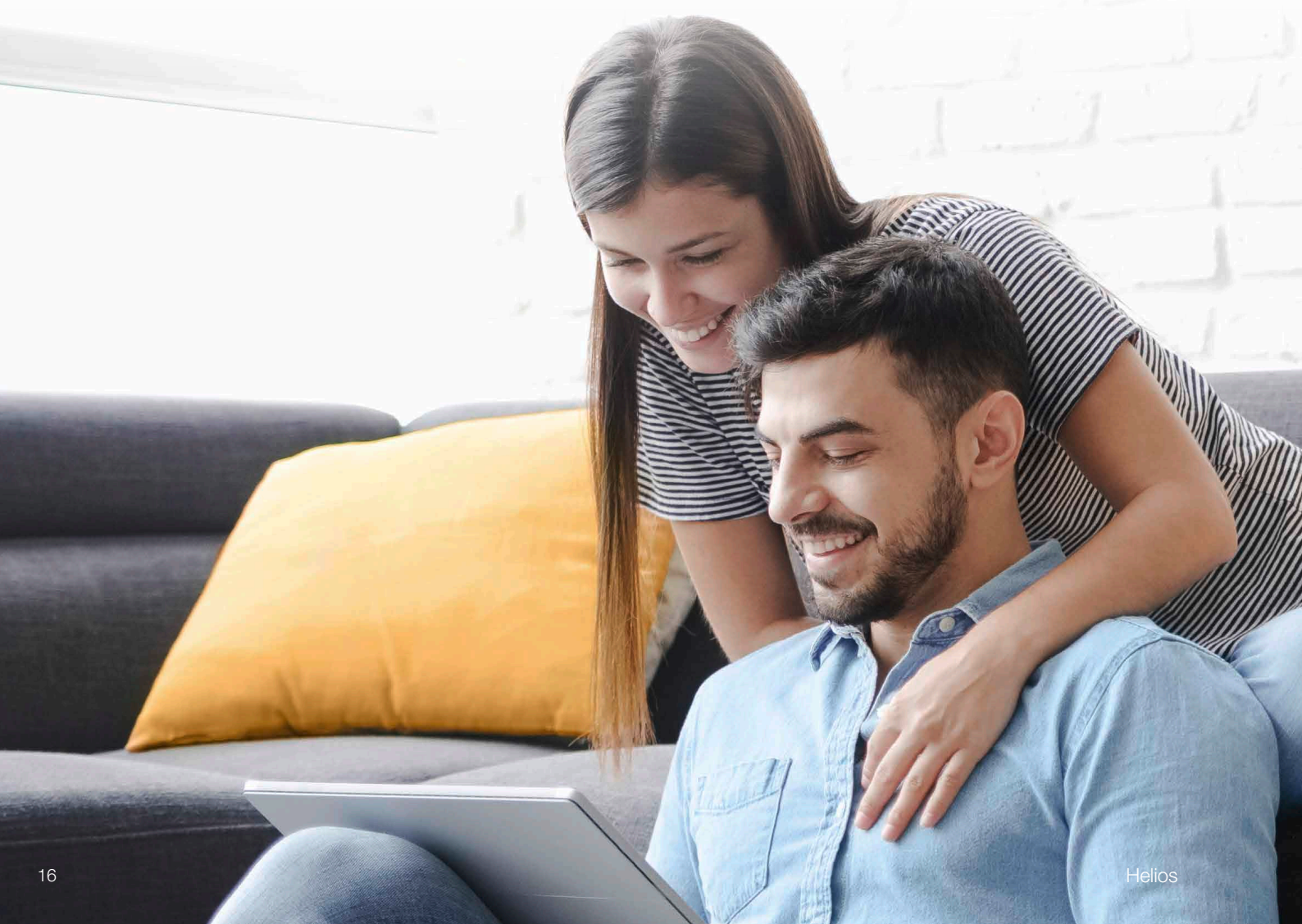
Congratulations, you have found the solution and need look no further. The easyControls 3.0 system with intelligent software and various sensors can ultimately do exactly that. But that is not all, because easyControls 3.0 can do much more.

For example, it can provide a complete and transparent overview of the system status, with current measurement values from the connected sensors and detailed statistics on the room air quality. It can also provide status reports, e.g. on updates or upcoming filter replacements.

Helios easyControls 3.0 offers virtually unlimited possibilities to create individual feel-good atmospheres for all requirements. Quite simply with preconfigured ventilation profiles which can be set in ways that best match the residents.

All this works quite conveniently from the sofa, since your KWL unit can be easily connected to your local network and then controlled via a web browser on any end device – even on the move with the easyControls Cloud.

With easyControls 3.0, smart ventilation becomes a reality and your ventilation experience becomes more simple, uncomplicated and individual than ever before.

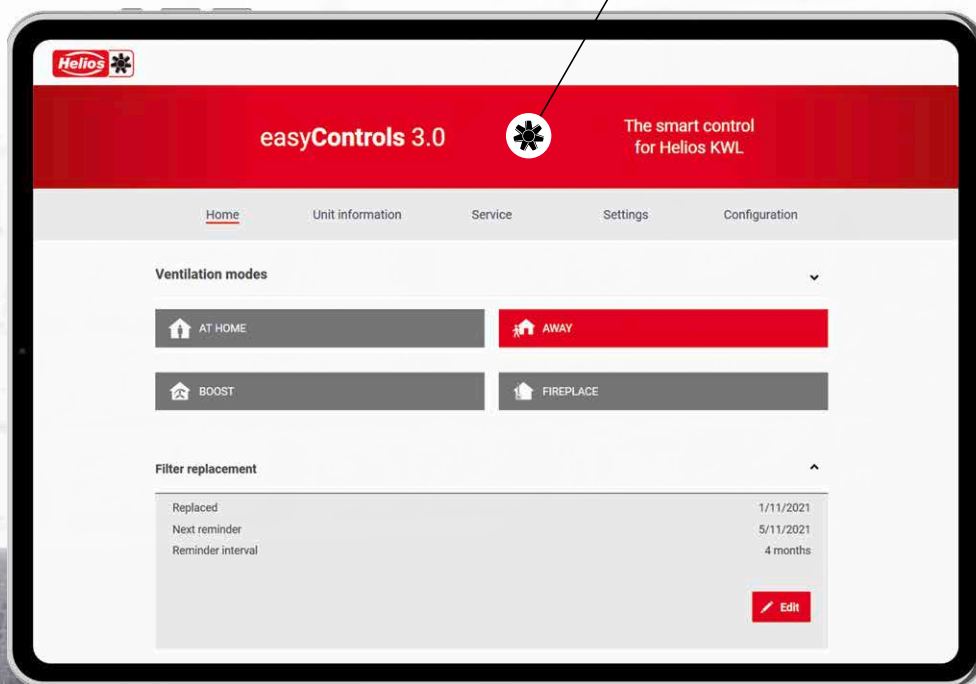


Smart ventilation, simple control system

- Location-independent control of the KWL system via the integrated web server or with the easyControls Cloud, as required.
- Individual access rights through selectable profiles.
- Assistant-supported, fast commissioning.
- Practical and cost-effective remote maintenance when servicing.
- Smart integration in the existing building control system (KNX).

Customised ventilation for individual comfort

- The establishment of a personal weekly programme is possible.
- Individual configuration of up to four ventilation programmes.
- Compact overview of current status.





Helios Ventilatoren GmbH + Co KG · Lupfenstraße 8 · 78056 Villingen-Schwenningen · Germany
Phone +49 77 20 / 606 - 0 · Fax +49 77 20 / 606 - 257 · export@heliosventilatoren.de · www.heliosventilatoren.de

KWL® is a registered trademark of Helios Ventilatoren GmbH + Co KG. Copyright ©: Helios Ventilatoren GmbH + Co KG, 78056 VS-Schwenningen, Germany.
Certified according to ISO 9001/2015. Subject to technical modifications. Illustrations and information are non-binding. Document no. 10069.004/03.21