



Cross Flow unit

Product Protection



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We create functional solutions for complex issues

Philosophy

As the specialist in clean air, Interflow creates functional solutions for complex air management issues. For fifty years we have been delivering quality by paying close attention to safety, comfort, ease of use, durability and flexibility. These concepts are intertwined with our norms and values, determining our way of thinking and working.

Our cross flow units are the result of this vision. They guarantee a safe working environment and provide product protection. Naturally, we are proud of the advanced technology, but above all we value the safety the products offer. A high-quality end result starts with a clean working environment. Our high-tech cross flow units achieve this for you.

- Safety
- Comfort
- Ease of use
- Durability
- Flexibility

About Interflow

Interflow excels in offering personal and product protection based on air control. We have been designing, manufacturing, installing, validating and managing laminar air flow units, cleanrooms and operating rooms for fifty years. Our consultants, engineers and technicians are experts in this specialist field.

Highest market rating

Research by the Netherlands Industrial Market Research Agency has shown for four years in a row that Interflow's laminar air flow units are rated as best on quality and price-quality ratio. Our customers are enthusiastic about the delivery reliability and the service provided. They give the highest rating on both commercial and technical support.

With Interflow you choose an honest company that puts its ideas into practice with passion and inspiration. We involve our customers from the very start, this creates clarity. This ensures we always deliver the right solution. We also look beyond today and anticipate market developments.

Broad expertise

We have the expertise to deliver complicated projects at the highest quality. Our core markets are pharmaceuticals, high-tech industry, research centers, healthcare and agro-industry & food.

- Fifty years of experience
- Familiar with the work processes and the challenges of the user
- Market research confirms quality



We are flexible and can achieve customer-specific wishes

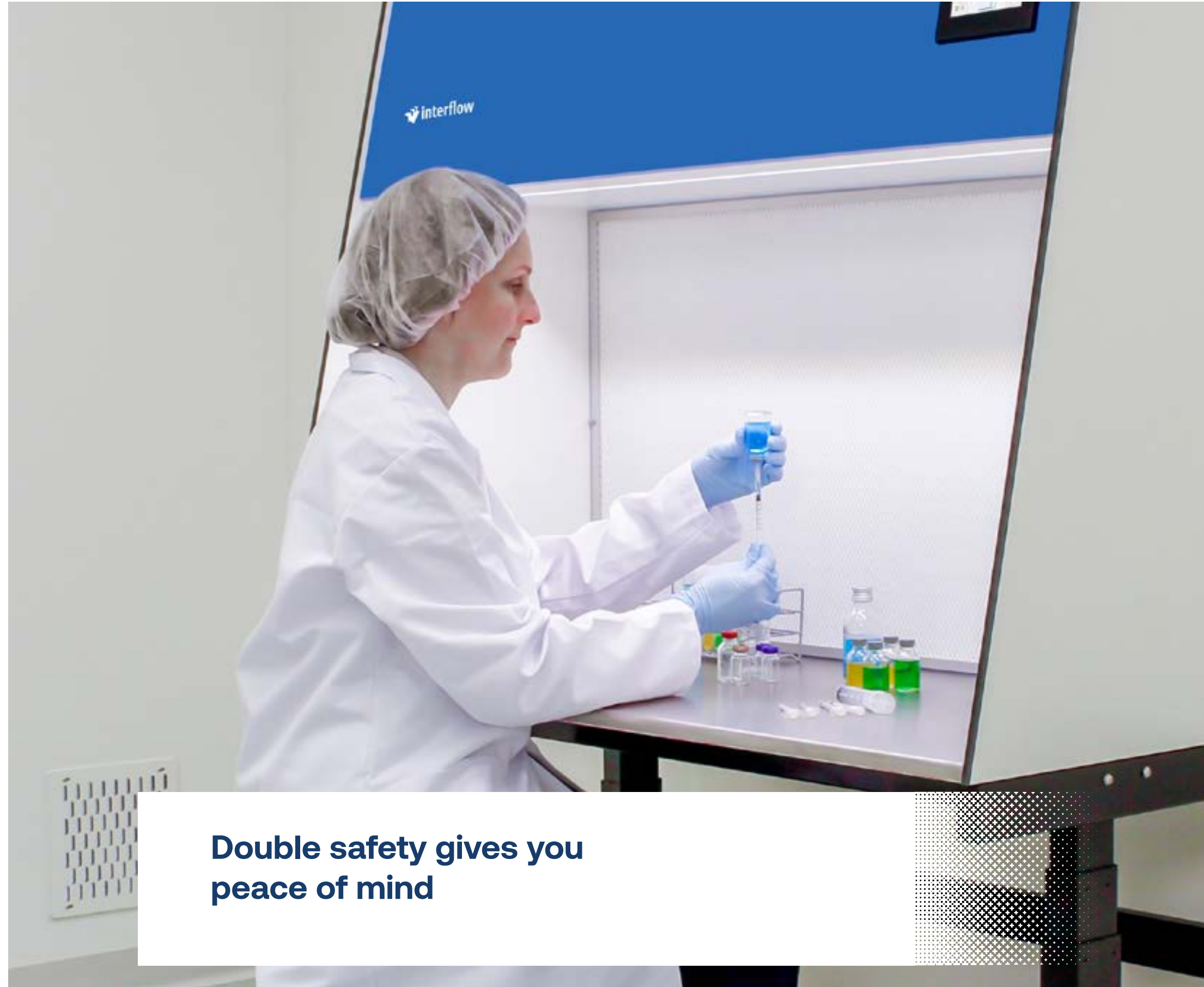
Dutch Production Facility

Interflow has a production facility of approximately 5,000m² in the Netherlands, where all our laminar airflow units are manufactured, therefore we are able to guarantee the quality and delivery time of our products. (We are not dependent on external suppliers) This also gives us the opportunity to be flexible with design solutions that can easily include bespoke customer specifications when required.

In Wieringerwerf, North Holland, our production facility is adjacent to our office. So we have all the knowledge, expertise, design and manufacture facilities under one roof. This makes our products purely Dutch. Our work processes are in line with strict safety standards. As a customer we assign to you a single contact person who knows all the details of your project and whom you can ask all your questions. These factors combine to ensure a fast, efficient and clear process.

Before delivery, each unit undergoes extensive testing in our production facility. This includes a visual inspection, a function test and an air speed measurement. This is to demonstrate that the unit complies with specification, applicable laws and regulations and the strict quality requirements of Interflow. When the unit is delivered, an extensive measurement and validation protocol is carried out once installed in the environment in which the unit is located, so that it is ready for use.

- One point of contact
- Dutch Production Facility
- Guarantees on quality and delivery time
- Flexible in customer-specific wishes



Double safety gives you peace of mind

Product Protection

In a cross flow unit, a clean air stream flows horizontally across the workspace. Unwanted particles that are released in the workspace are entrained into this air stream and removed. Via the work area, the air flows with a prescribed speed back to the living environment. This air is sucked into the top of the unit and then passes through a pre-filter, then a HEPA filter of type H14, which removes all contaminants. This creates a dust and germ-free environment that meets the strictest safety requirements.

Double safety

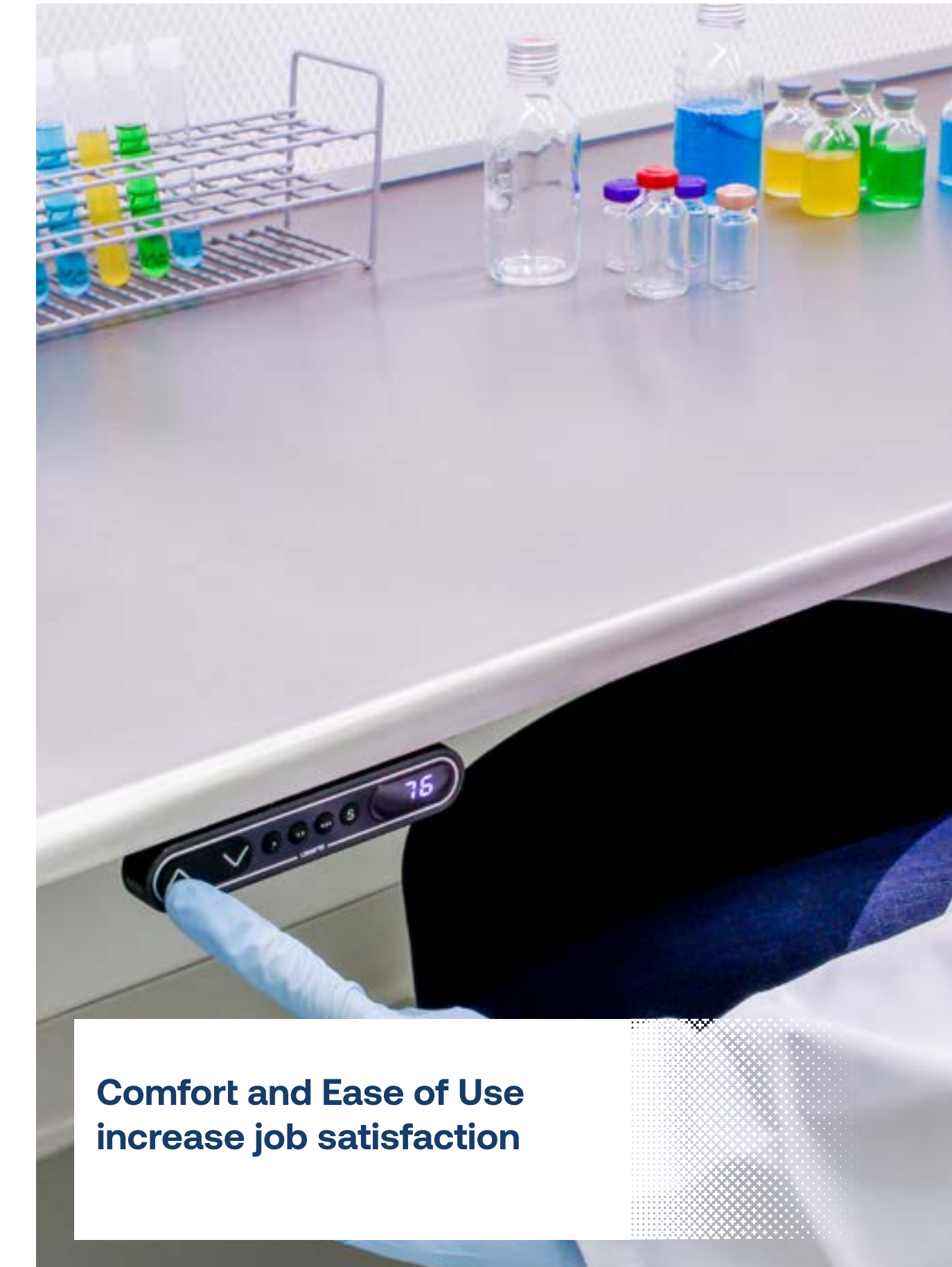
The Interflow cross flow units are hermetically glued. This technique reduces the possibility of a leak and thus increases the overall safety of the units. This is possible thanks to the use of high pressure laminate. By creating air pressure differences within the cross flow units, your product is protected even in the event of a leaky seal of the HEPA filter. Polluted air cannot reach the workspace in such a situation.

- Complies with IEST-RP-CC002.4 guideline
- Meets all applicable requirements set in the ISO and/or GMP standards
- Standard suitable for working under air class 5 conditions according to NEN EN ISO 14644-1
- Fail-safe design and hermetic bonding give a unique, extra guarantee of product safety

A shortage or a surplus of light, sound and/or heat can be unpleasant or even annoying during the use of a cross flow unit. Interflow has paid a lot of attention to ergonomics and adaptability in the design of the unit.

Our cross flow units are the quietest in the market at 48 dBA. This low noise level is possible thanks to the use of sound-absorbing materials, the prevention of vibrations and the efficient placement of the fan(s) and filters.

The LED lighting provides homogeneous light that can be adjusted as desired. There are no annoying reflections or glare in the work area, and the use of energy-efficient fan(s) ensures a low heat load. The stainless steel worktop has a semi-circular finish so there are no sharp edges for the users arms and legs. The base is available in sitting and standing height. There is also an electrically adjustable variant that guarantees a comfortable working position for everyone.



Comfort and Ease of Use increase job satisfaction

The latest generation of Interflow cross flow units have a multifunctional touchscreen. Settings can be adjusted with great ease, such as switching the day / night mode on and off. The screen also shows other important information, including error messages.

Effortless cleaning

As a result of the works undertaken in the unit, it is essential that the unit is cleaned regularly. This is a simple operation thanks to the smart design. The work areas have no blind spots. The materials high pressure laminate and stainless steel are easy to clean and resistant to almost all cleaning agents. The pre-filter can be replaced quickly and independently.

- Easy to operate
- Effortless to clean
- Easy to replace filter

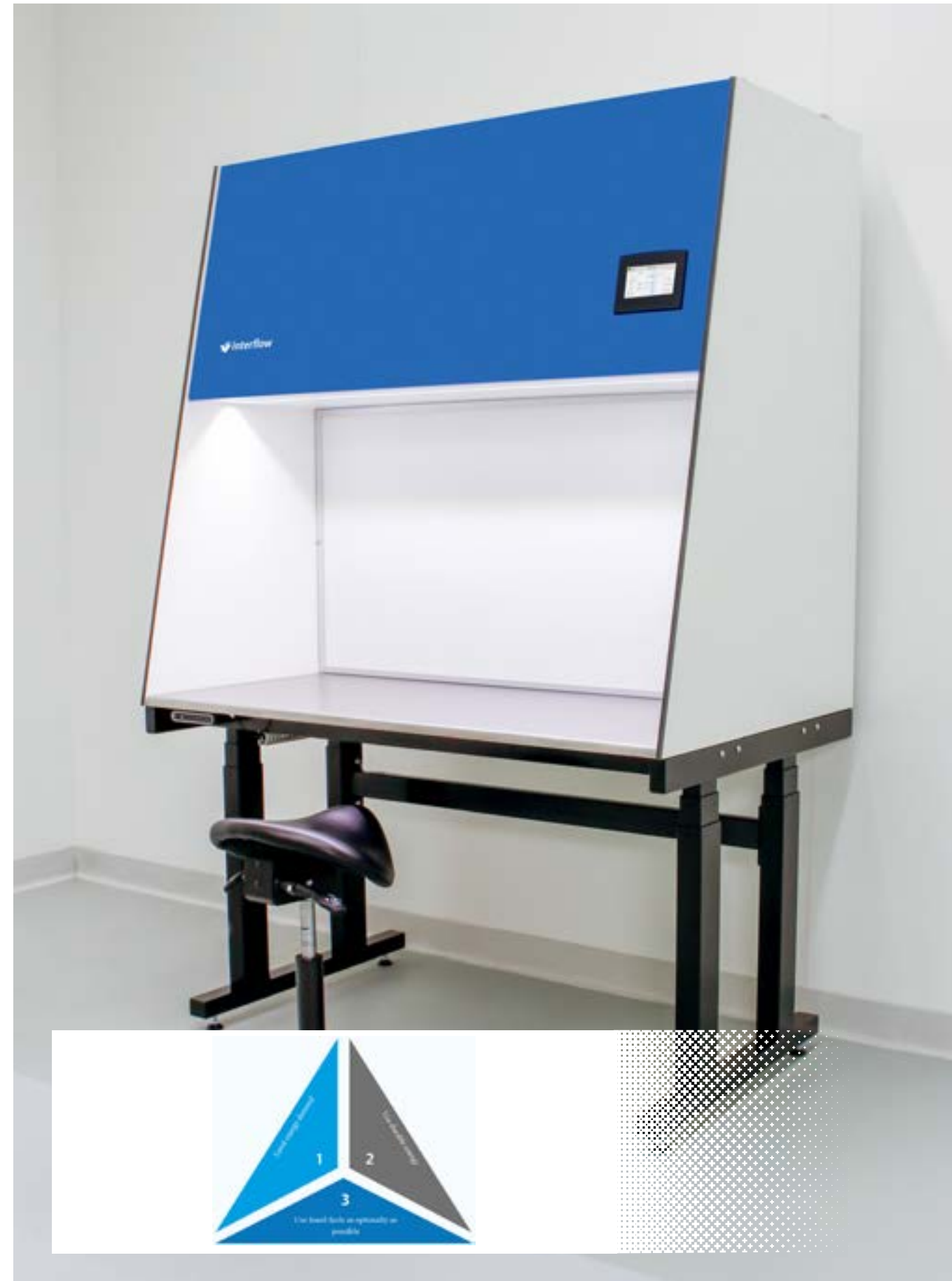


Durability

The cross flow units from Interflow are equipped with energy-efficient LED lighting and direct current fans. As a result, less heat is produced, which in turn results in smaller cooling installations and an even lower energy burden. The units also have an energy-saving day and night mode control.

We also combat energy waste by minimizing the air resistances and vortices in the cross flow units. We achieve the low air resistance by, among other things, finishing units smoothly and by applying filters with the largest possible filter surface area. Vortices are prevented thanks to the low air velocities and the innovative use of air bulkheads.

The strong and durable units consist of high-quality materials. The robust high pressure laminate is resistant to bumps and scratches. The stainless steel materials are resistant to various chemicals. The units are fully recyclable. The production of the units is based on the Lean method, with extra attention being paid to sustainable choice of materials and the prevention of waste and energy consumption.



Interflow uses the Lean Method of Trias Energetica system to achieve the most energy-efficient design of its cross flow units. Trias Energetica distinguishes three steps:

1. Limit energy consumption by preventing waste;
2. Make maximum use of energy from sustainable sources, such as wind, water and solar energy;
3. Use fossil fuels as efficiently as possible to meet the remaining energy needs.

Customisation

The cross flow units can be equipped with various options and functions that further increase ease of use. We are happy to discuss your requirements and to advise you.

We build our cross flow units in a modular way: Therefore they can be easily adapted for future requirements and can maintain their high quality. In order to optimally use the cross flow unit and its options, we provide user training courses to help you.

Customisation

Sometimes existing systems do not offer the right solution. Certain setups with a limited range of the critical area require specific, tailor-made solutions. Interflow offers these types of units in the form of specials. Ask our Advisor about the possibilities.

- Flexibility thanks to modular construction
- Customer-specific solutions possible



Options

Visual alarm

Interflow's latest development is the visual alarm. If there is a fault, the standard LED lighting dims and the workspace gets a red glow. Thanks to this different color scheme, the user immediately sees which units are available and which are not. This system takes the safety of our cross flow units to an even higher level.

Integrated touchscreen

A touchscreen enhances the ease of use of the units. The central control system can be controlled via the programmable screen. With a finger you can adjust various settings as desired. The screen is designed in such a way that it provides an overview and is easy to operate. In addition, all important information is displayed in real time.

Infusion rod

If you regularly work with infusion bags within the protected area, an integrated IV rod is a great added benefit. You can continue to work in a clean, safe and organized manner with this IV rod. This provides more comfort and ease of use.

- Visual alarm increases safety
- Clear and easy to operate touchscreen

Options



Interflow has been delivering the highest quality for fifty years

Validation

To rule out dangerous situations, cross flow units must be regularly validated. Interflow has the knowledge, expertise and experience to deliver this service. We check whether your units still meet all requirements and criteria.

Our specialists measure whether your cross flow unit still achieves safe working environments over time. Continuity and flexibility are essential concepts in this. The validation results are available immediately after the measurements. This allows a quick and well-founded decision whether or not to put the units into operation.



Ideal, validation outcome is immediately available

- Problems resolved faster thanks to connectivity system
- Modular construction allows for modifications

Management and Maintenance

In view of product protection, you want to avoid dangerous situations at all times. A cross flow unit that is regularly checked by an expert will maintain its high quality and operation. This improves up-time and lifespan.

Interflow is the partner to take care of the maintenance of your units. A well thought-out maintenance plan leads to high operational reliability. Thanks to our latest option - the connectivity system - we can remotely view and assess fault messages and resolve problems more quickly.

This technique limits the downtime of the cross flow unit. Due to the modular construction of the units, they are optimally prepared for the future. This makes it possible to make modifications after delivery. For example: Changes in legislation and regulations may require adjustments.

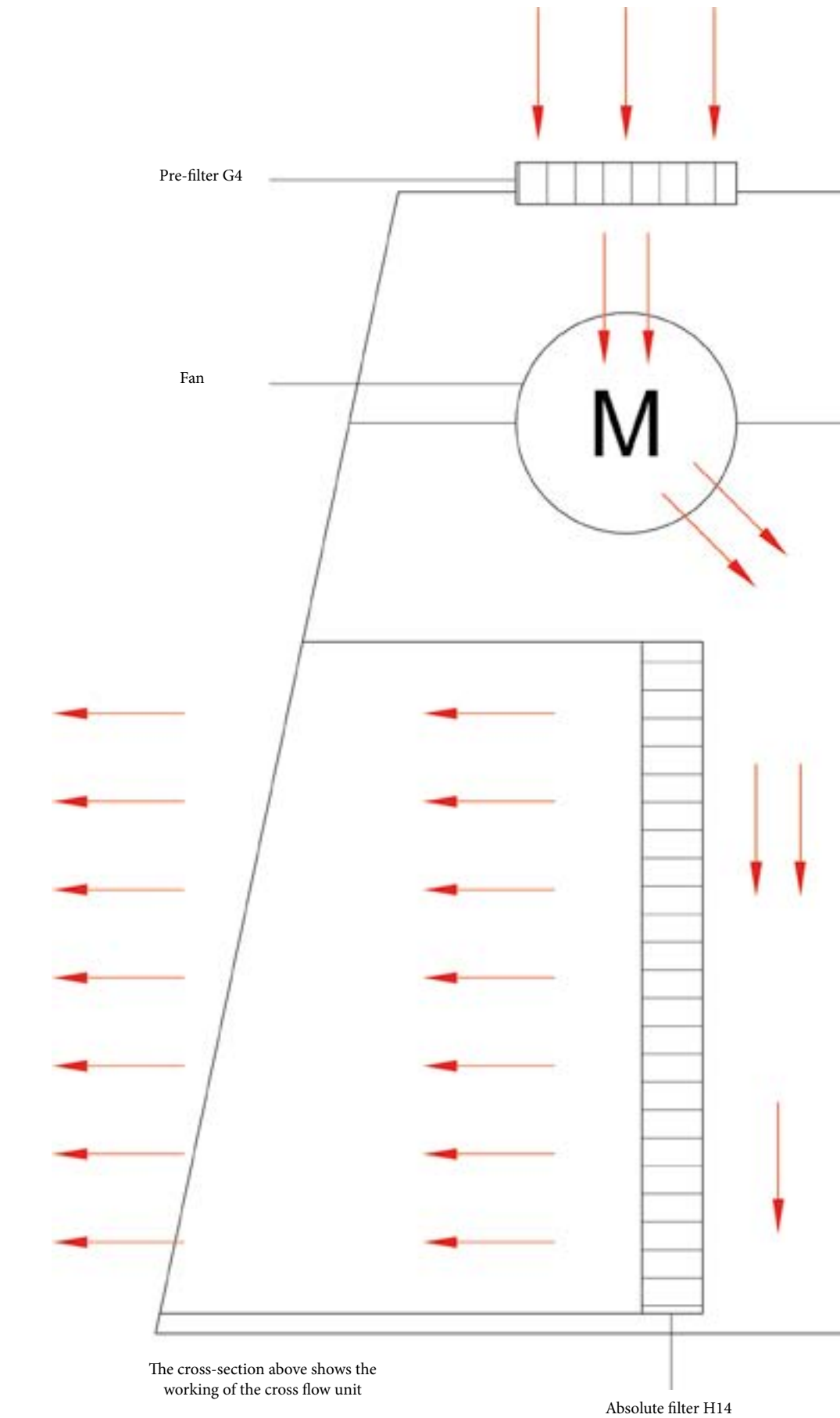


Resume

- Manufactured from high-quality HPL material
- Standard stainless steel worktop (SS 304)
- Completely smooth executed both internally and externally
- Customised solutions possible
- Installation and validation on site
- Can be installed singly or in series

Safe to use

- Complies with IEST-RP-CC002.4 guideline
- Deployable in accordance with ISO and GMP standards
- CE-marking
- Fail-safe design
- Hermetic bonding
- Meets at least Class 5 according to ISO 14644-1



Comfortable

- Most silent in the market
- Homogeneous light
- Low heat load
- Ergonomic top design

User-friendly

- Easy to operate
- Effortless cleaning
- Pre-filter at the top is easy to replace
- Optimal air distribution
- Plug-and-Play
- Continuous air speed control, always the correct flow rate

Sustainable

- Up to 70% reduction in energy consumption thanks to energy-saving EC-motor
- Energy-saving LED lighting
- Day and night switch as standard



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