

**HUBER &  
RANNER**

ERWARTEN SIE MEHR.

HY-CASE



# HYGIENE WHICH ENSURES SAFETY

## Objective



Especially in surgical departments and in intensive care units, a large number of pathogens are found in the air which can lead to fatal inflammations. The responsibility for these is usually assumed directly by the operator.

This also applies to operators of clean rooms in the pharmaceutical industry and microelectronics.

We offer you the solution and provide you with enhanced hygiene safety at the highest level!

# YOUR SAFETY ADVANTAGE

## HY-CASE

Stringent requirements are placed on the purity level of air treatment in the hygiene sector.

We always focus on your specific needs. We use our entire know-how and extensive experience in all areas of ventilation and air-conditioning technology to produce the best results. Every individual hygiene HVAC from Huber & Ranner is therefore individually designed or manufactured and thus represents the ideal solution for your project.

Our systems are in use everywhere where increased demands are placed on hygiene, because HY-CASE meets the highest requirements and ensures safety in your air hygiene!



# THAT'S WHAT HYGIENE IS ALL ABOUT.

## HY-CASE

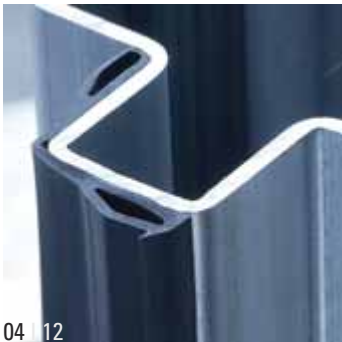


In the foreground:

- Compliance with DIN 1946-4
- Easy cleaning
- Tight housing design
- Prevents dirt accumulation
- Only bacterially inert materials in the air stream



Huber & Ranner has already created the basis for this with its X-CASE. The concept of HY-CASE is to make the housing perfectly smooth over and above the requirements of applicable standards. All the aspects mentioned above form the basis for the development of HY-CASE.



Double chamber gasket

Our high-quality double chamber gasket simultaneously seals panels in the frame and closes the gaps in a hygienic manner:

- Highest quality level in EPDM
- Bacterially inert
- Thanks to the chamber system it always adjusts to the changing climatic and pressure conditions.

# THE BASIS OF OUR EQUIPMENT AS SUCCESS FACTOR

## Form follows function.

We attach great important importance to the precise and careful processing of each device. We are always happy to meet the individual requirements of every customer. Please select:

- Versions with galvanized surface including anti-fingerprint coating
- Additional disinfectant resistant coating
- Stainless steel

We would be glad to make recommendations for your specific application.

### Condensate drop eliminator

It is advisable to integrate a stainless steel condensate drain tray wherever moisture is continually generated or frequently wet cleaned:

- It offers the same thermal quality on the already insulated floor as the entire housing
- Integrated, all-round slope
- Laterally fed out; no risks in the construction drainage system in the event of leakage

### Door construction

- Newly developed door handles ensure high contact pressure and there fore even greater tightness
- Large chamber gasket for maximum tightness
- Ergonomic design for complete prevention of injuries to the operating staff



# THAT'S WHAT HYGIENE IS ALL ABOUT.

## Form follows function.



Crescent connecting element

Special connecting elements ensure that the surfaces here are also perfectly hygienic and that no dirt is accumulated. This also ensures operational ease.



Inspection glass

Maintenance and hygiene controls can be easily carried out at all times. The high-quality double-shell design avoids energy loss. Our standard design ensures that the panes allow a generous view. (400 cm<sup>2</sup>) Due to the design, this is considered exceptionally dense.



Inspection window

New inspection window in transparent polycarbonate. Full-size window intended for our hygienic HVAC-applications using insulated doors. Used for visual control of processes while the unit is in full operation. Polycarbonate/Macrolon, crystal clear and impact resistant.

FOR MORE HYGIENE

## Intelligent modular design.

### Filter

Huber & Ranner offers the possibility to integrate all desired filter systems. The hygienically best possible arrangement and configuration of the filter frames is as much taken for basis as the minimum filter by-pass leakage.



The perfectly conceived modular design of HY-CASE guarantees fast and easy maintenance of the individual filters. We attach particularly high importance to the ease of operation and maintenance of our devices.



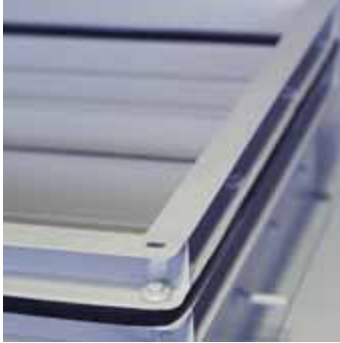
### Aluminum flaps

Depending on the application, you will receive our high-quality, smooth-running and reliable flaps from the standard version to types pursuant to german DIN 1946-4 with a comprehensive sealing lip.



# THAT'S WHAT HYGIENE IS ALL ABOUT.

## Highest flexibility.



Decoupled lead frames instead of canvas connector

The hygienically optimal element to connect the air conditioning unit to the sewer network. Ergonomically rounded corners eliminate the risk of injury during start-up, maintenance and service at this point.



Silencer: Easily removable

The silencer splitters can be removed from the air handling unit in just a few steps and be reinstalled again.



Extendable fan unit

For particularly easy cleaning, Huber & Ranner also offers the possibility of designing the fan unit to be extendable. A convenient function, which further simplifies the cleaning and maintenance of the module.



## EASY HANDLING

# Well thought-out solution details.

The clean workmanship and clear design elements are reflected in every element of our device - expect more comfort.



Evacuation made easy - standard in GREEN KV-SYSTEM

In order to make discharging and venting as comfortable as possible, the connections of the heat exchanger are designed in such a way that separate maintenance panels can be integrated in the upper and lower areas.



Whether you need pressure measuring points, double safety edges for drain trays at coolers, safety fold for cutting edges, hygienic drop eliminator, ergonomic door leaf design, to mention only a few examples, we provide the design elements and accessories you need. At Huber & Ranner we always attach great importance to solutions in detail.



# GREEN KV SYSTEM

## Another important issue.



For the sake of the environment and hygiene

The intelligent combination of proven systems enables us to build a highly efficient circulation composite system named GREEN KV-SYSTEM, which lives up to its name. This is why numerous experts consider our systems as prime examples of efficiency.



- up to 75% efficiency
- Adiabatic air cooling
- Multi-functional system for heat energy recovery (HR), cooling recovery(CR), heating, cooling and dehumidifying
- Dehumidification energy recovery
- Including hydraulic module and ERG controller for continuous efficiency optimisation and data control



HUBER & RANNER

Highest degree of hygienic safety.



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**ANY FURTHER QUESTIONS?  
WE WOULD BE GLAD TO HELP YOU.**

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