



# HygienicPro<sup>®</sup>

Hygiene matters

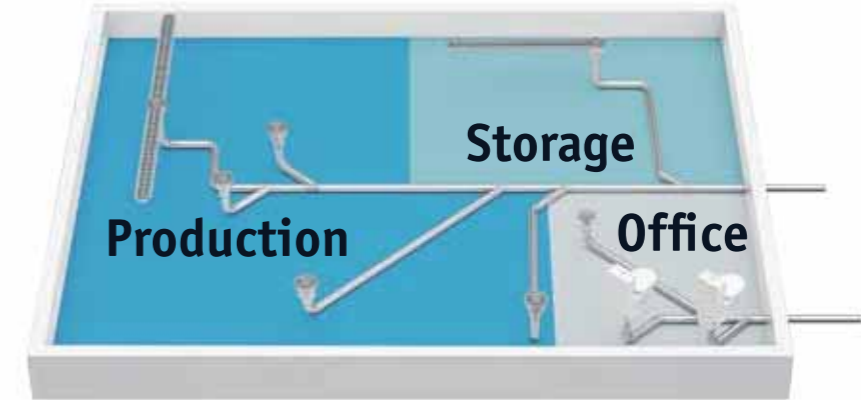
**BLÜCHER<sup>®</sup>**  
A Division of Watts Water Technologies Inc.

# Hygiene is more important than ever

Recent years have seen increased focus on food safety, and in cases where manufacturers have had to recall contaminated products and stop production until bacteria have been eliminated, they have not only had to face very high costs but also the risk of detrimental damage to their reputation.

Hygiene and efficient cleaning processes are essential in maintaining a very high level of food safety. All surfaces and equipment must be easy to clean and keep clean, and refuse as well as waste water from cleaning processes must be disposed of quickly through an efficient drainage system.

The factory flooring poses the biggest hygienic challenge since this is the area with most waste, humidity and physical stress. A hygienically designed and efficient drainage system can form a barrier between the contaminated sewer system and the clean production area.



## Do it right

The drainage system is an integral part of the factory building, and with most of its components placed in or below the flooring, subsequent changes to the layout of the drainage system can be costly.

Hygiene-sensitive areas should be segregated from less hygiene demanding areas, and the flow of drainage must be away from the clean areas, such as production lines, towards areas with less strict hygiene requirements, e.g. storage rooms.

Among the common mistakes when planning a drainage system are insufficient flow capacity to remove all water thus causing pooling on the floor, insufficient capacity to collect waste from the processing and inadequate access for cleaning inside the drainage system.

Also to be avoided is the use of materials vulnerable to hot water and chemicals used in cleaning processes, and as regards the connection between drains and floors installation procedures must ensure that cracks will not be forming in the flooring around the drains since these can potentially harbor bacterial growth.



## EHEDG member

BLÜCHER is a member of the European Hygienic Engineering and Design Group and has actively contributed to the recently adopted EHEDG guidelines for drainage products.

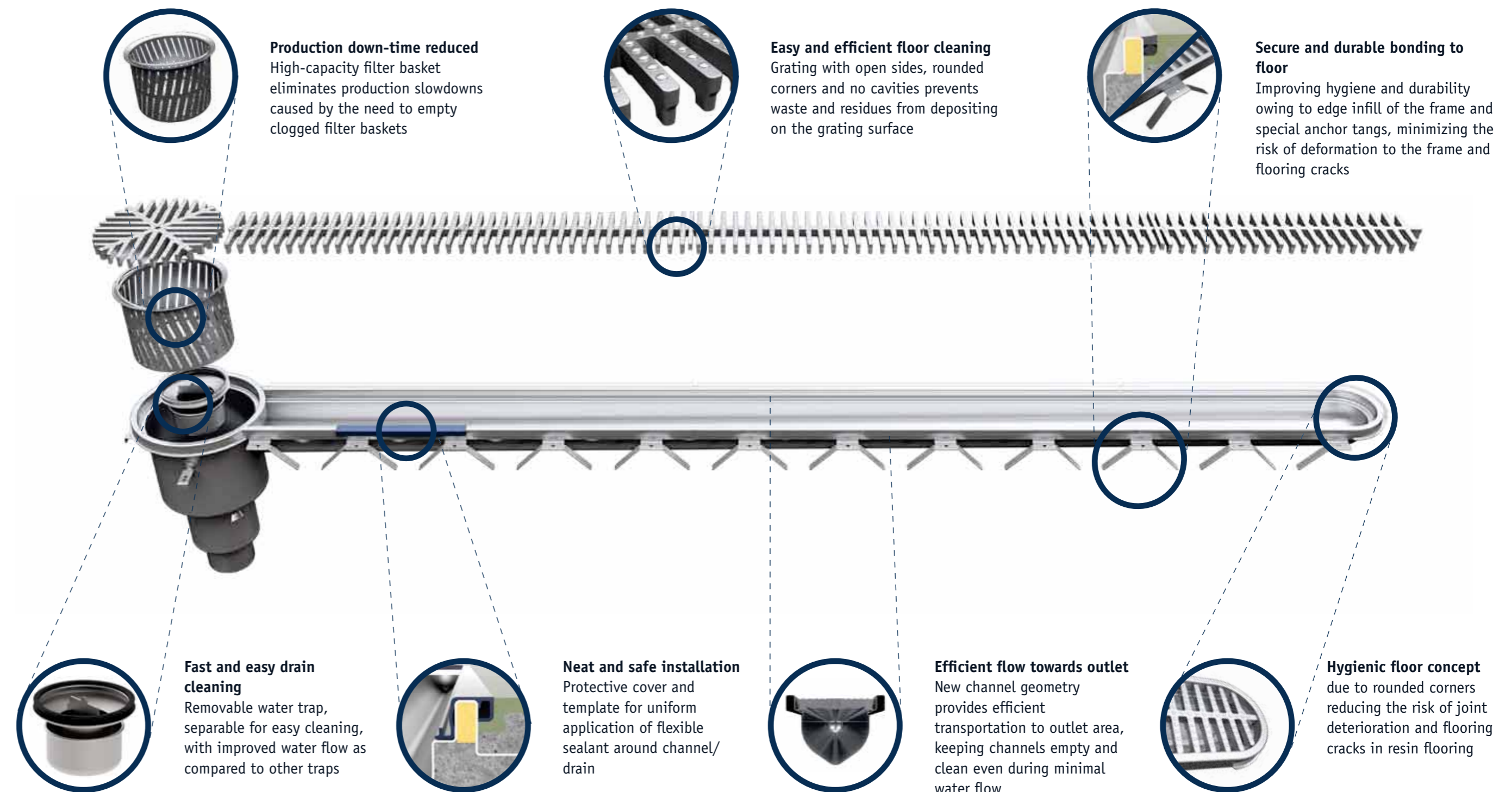


## HACCP certified

BLÜCHER is the first drainage system manufacturer to hold a HACCP certification confirming that the BLÜCHER® products support the integrity and safety of foods as demanded by industry expectations, legislation and standards.

# HygienicPro®

## Cleaner. Better.



**Production down-time reduced**  
High-capacity filter basket eliminates production slowdowns caused by the need to empty clogged filter baskets



**Easy and efficient floor cleaning**  
Grating with open sides, rounded corners and no cavities prevents waste and residues from depositing on the grating surface



**Secure and durable bonding to floor**  
Improving hygiene and durability owing to edge infill of the frame and special anchor tangs, minimizing the risk of deformation to the frame and flooring cracks



**Fast and easy drain cleaning**  
Removable water trap, separable for easy cleaning, with improved water flow as compared to other traps



**Neat and safe installation**  
Protective cover and template for uniform application of flexible sealant around channel/drain



**Efficient flow towards outlet**  
New channel geometry provides efficient transportation to outlet area, keeping channels empty and clean even during minimal water flow



**Hygienic floor concept**  
due to rounded corners reducing the risk of joint deterioration and flooring cracks in resin flooring

# Stop worrying

Hygienic design of machinery and facilities is an important tool for guaranteeing the safety of food products.

Based on 50 years' experience in the production of stainless steel drainage system, BLÜCHER has taken up the challenge and is now introducing the HygienicPro® drainage products for the food processing industry.

HygienicPro® are high-capacity point and linear drains that provide efficient flow and a high level of self-cleaning, are easy to clean and prevent bacterial growth while limiting also the water volumes and production downtime necessary for operating and cleaning the drainage system.



# Matching any requirement



The HygienicPro® range:

- Point drains or linear drains with center or end outlet
- Channel lengths 1 - 10 metres
- Channel lengths connected to outlet box at different angles
- Outlet box and filter basket in three sizes
- Vertical or horizontal outlet

With a product range consisting of modular components with numerous possible combinations complemented by project-designed bespoke products, BLÜCHER provides customer specific and hygienic drainage solutions to match any drainage project.

# Wide range of accessories



**Filter for channel** - collecting waste in channel sections away from outlet box to avoid large volumes of waste reducing the flow capacity towards the outlet box



**Funnel** - for directing fluids into drain or channel from machinery while minimizing splashing



**Outlet filter** - for fixing below the water trap to prevent emptying of filter baskets into the drain outlet with the risk of clogging in the pipework



**Spacing ring for filter basket** - provides space between outlet box bottom and filter basket bottom if a "P" trap is used instead of removable water trap

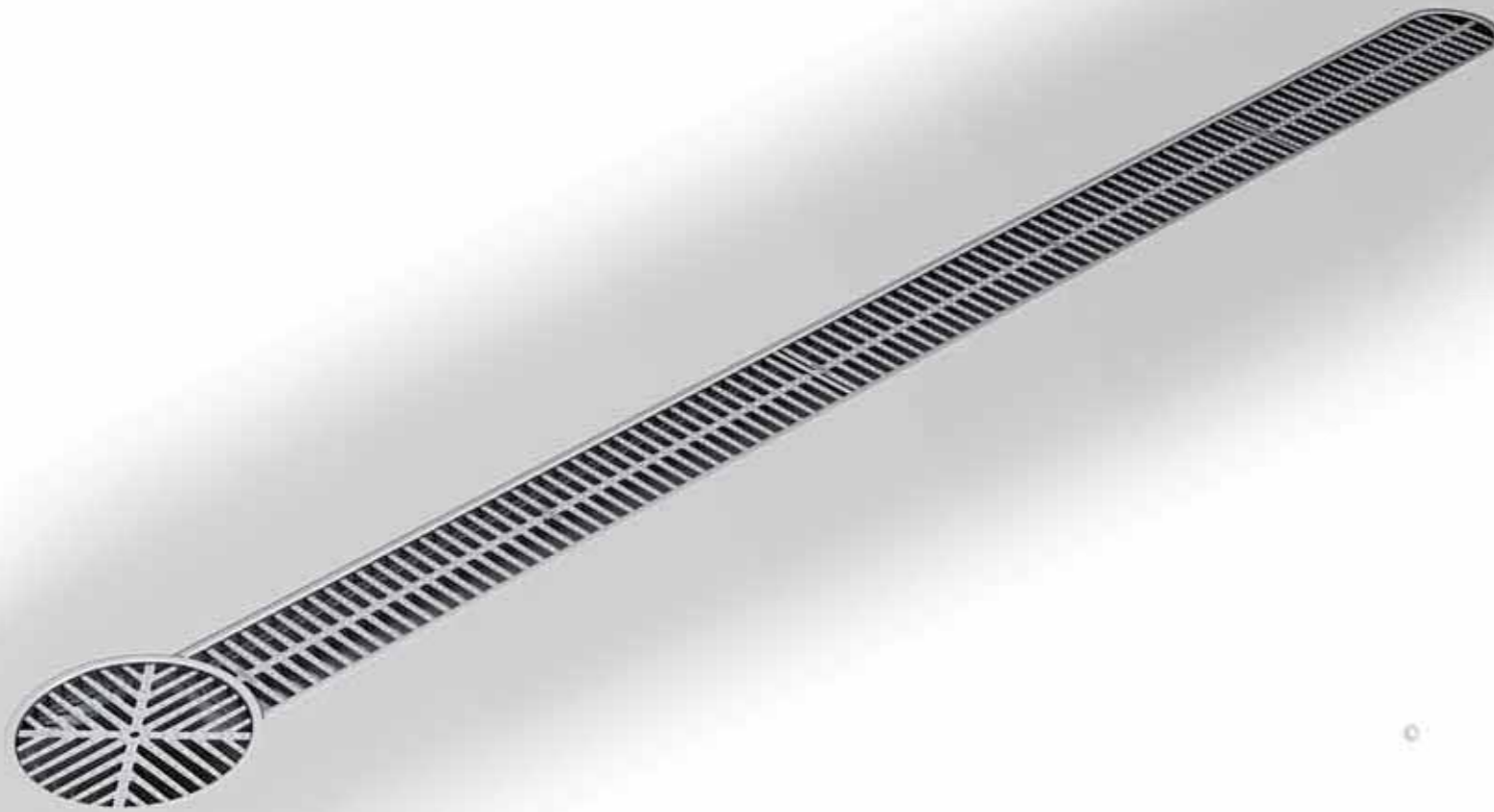


**Tile adapter** - fitted steel tiles for adaption to installation in tiled flooring

# Easy cleaning

All in stainless steel, HygienicPro®

- is designed without corners or cavities that might harbor bacterial growth
- is resistant to a wide range of chemicals used in cleaning
- is not affected by high-temperature cleaning and steam disinfection
- has smooth surfaces that aid efficient flow and are easy to clean and keep clean
- has a long life-time



# Long-term cost efficient

Hygienically designed equipment is easier to clean and requires less frequent cleaning. This means lower costs for cleaning agents, water consumption, production stops for cleaning procedures and the like.

In addition, significant reductions in water use in connection with food processing is an industry target and has indeed been effective at delivering major cost savings on processing and cleaning water - reducing operating costs and benefiting the environment.

And with a drainage system all in stainless steel - including also the below-ground pipework - the drains and pipes will last as long as the building itself remains in operation.



# Why choose BLÜCHER?



BLÜCHER is recognized throughout the world as the leading supplier of stainless steel drainage systems suitable for a wide range of applications.

Within the food industry our references include Danish Crown, Danone and Nestlé. Through continuous product development and innovation, often in collaboration with project planners and owners, we are at the forefront when it comes to designing and manufacturing the best solutions to any indoor drainage project.

All BLÜCHER® products are manufactured in Denmark in state-of-the-art production facilities combining sophisticated automation with skilled craftsmanship. The products are 100% leakage tested before leaving the factory, and the production is ISO9001 and ISO14001 certified.

# Unparalleled service - forever



We know how drainage works - and that all production sites require their individual drainage solution.

We help you plan your entire drainage system with adequate flow capacity and sufficient outlets, and we can provide customized products to suit any special need.

A BLÜCHER® drainage system is future proof. If drainage requirements or factory layout changes, BLÜCHER® offers a wide range of auxiliary products to accommodate changing needs.

At BLÜCHER® more than 300 employees create an annual turnover of more than 60 million euro.

Through know-how, dedicated service and common sense we develop, produce and market high quality stainless steel drainage solutions for customers within the housing, commercial, industrial and marine sectors all over the world.

Find your local BLÜCHER® specialist at [www.blucher.com](http://www.blucher.com)

**BLÜCHER® EuroPipe**

**BLÜCHER® Channel**

**BLÜCHER® Drain**



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about HygienicPro®