

The Best of Hygiene in the Drainage System



By
Søren Davidsen,
Marketing
Manager,
Blücher A/S

- Unilever (Helados Holanda), Mexico City (Mexico)
- Valio Ice-Cream Factory, Turenki (Finland)
- United Dairies, Westbury (England)
- Several Arla dairies in Denmark and Sweden, among these Taulov Mejeri, Arinco and Rødkærstro Mejeri.

Excellent hygiene properties

Compared to the materials traditionally used for drainage systems, stainless steel offers the advantages of ease and speed of installation, excellent hygienic properties, easy cleaning and maintenance, durability and favorable whole-life costs. Stainless steel has an extremely smooth surface providing fast flow, preventing deposits and minimizing bacterial growth. Inherent advantages, which in BLÜCHER® drainage products are enhanced by careful product design, making them particularly suitable for the dairy, beverage and food industry - and other applications requiring high levels of hygiene.

EU hygiene requirements state, among other things, that floor surfaces in food processing plants must be easy to clean and allow adequate surface drainage. Legislation on safety states that floors should be slip-resistant under normal conditions of service.

Drainage systems worldwide

BLÜCHER® drainage products have been installed in dairies and food-processing factories worldwide for nearly 50 years. Among the dairies, breweries and food processing factories fitted with a BLÜCHER® drainage system are:

- Almarai Dairy, Saudi Arabia
- Heineken, Sevilla (Spain)
- Danone, Valencia (Spain)

Highest quality standards

Food processing plants require equipment of the highest quality in terms of operational, hygienic and environmental standards. To minimize the risk of bacteriological contamination of the products, the equipment used must be easy to clean and keep clean.

All BLÜCHER® drainage products are made entirely from high-performance austenitic stainless steel grade 304 or, for the most demanding corrosive environments, grade 316L. All products are chemically descaled and passivated to enhance their natural corrosion resistance and to provide a uniform matt silver surface finish.

Being a modular system comprising floor drains, drainage channels and a pipework system - all combinable, the BLÜCHER® stainless steel drainage system offers numerous possible combinations and a solution to any drainage project.

For industrial applications, BLÜCHER offers heavy-duty floor drains and channels point and linear drainage. The hygienic design of drains and channels without corners or cavities inside the drain body prevents bacterial growth, and reinforcement of the underside of the frame edge with synthetic resin in-fill provides a hygienic structure also without any cavities.

Important features

One of the most important features is the removable water trap with its excellent self-cleansing properties and small water surface that minimizes bacterial growth. In addition, the water trap unit is easily removed for cleaning. Experience shows that this water trap facilitates cleaning because larger solids trapped in the water trap and grease deposits in the water trap can be removed by washing down. Being easily removed and refitted in the drain or channel, it also provides access to the drain bowl and the pipe underneath.

Floor drains and channels are fitted with a grating, the load capacity and slip resistance of which is suitable for the application in question. For the drains and channels BLÜCHER offers a range of gratings with one, or two-way non-slip surface, all designed with a view to obtaining excellent hygienic properties and facilitating cleaning.

The smooth surface of stainless steel also makes it the perfect material for drainage pipework systems in hygienically demanding applications. BLÜCHER EuroPipe® is a lightweight and versatile drainage pipework system featuring simple push-fit jointing, thus ensuring easy handling and rapid installation.

A further and important safety advantage is that BLÜCHER® products are

non-combustible. In the event of fire, the high temperatures will not cause any toxic gases to be released from the drain and pipe material.

BLÜCHER®

BLÜCHER® is certified in accordance with ISO 9001 and ISO 14001 and all products are manufactured under this globally recognised quality assurance-system. BLÜCHER is an international

group of companies with head offices and production facilities in Denmark, subsidiaries in Norway, Sweden, the UK, Germany, France and a worldwide network of sales representations and distributors. ■



All development and manufacturing takes place at the BLÜCHER headquarter in Vildbjerg, Denmark.