

BLÜCHER® DRAINAGE SYSTEMS

Commercial applications

# COMMERCIAL



**BLÜCHER®**

K E E P I N G   U P   T H E   F L O W

STAINLESS STEEL DRAINAGE SYSTEMS

## Drainage systems for commercial applications around the world

BLÜCHER® sanitary discharge systems have proven their functionality and reliability in installations all over the world. Hospitals, fitness centres, hotels, schools, restaurants, shopping malls and airports are among the places where you will find a vast number of drainage solutions from BLÜCHER®.

## Keeping Up the Flow

BLÜCHER® is committed to leading water away and keeping up the flow in the housing, commercial, industrial and marine sectors. The commercial sector depends on the performance of our solutions every day, where hygiene and durability are of great essence. Developing and producing drains, channels and pipes is BLÜCHER's core competence. We give you a wide and deep range of products to solve any drainage requirement within commercial applications.

Commercial

Housing

Industrial

Marine





## Specialised in stainless steel

### **Well-being**

Clean and hygienic conditions in public bathrooms, changing rooms and commercial kitchens are important elements contributing to efficiency and the sense of well-being. Properly treated stainless steel has a unique smooth surface that guarantees maximum flow capacity and excellent hygiene. Due to its low surface roughness, bacterial growth on stainless steel is significantly less than on, for example, plastic and ordinary steel surfaces.

### **Strong and light-weight**

Stainless steel is a strong, durable, pressure- and chemical-resistant material. Due to the excellent material properties, the weight can be reduced by more than 20% as compared to cast iron, and this contributes to the ease of installation.

### **Non-combustible**

Stainless steel can withstand a high degree of vibrations and it functions within a wide scale of temperatures. Being able to withstand temperatures over 800 °C, stainless steel is a highly fire-resistant material and requires no further fire protection.

### **Easy maintenance**

Shaped without rough corners or edges, cleaning and maintaining stainless steel takes minimum effort and time. The removable water trap provides easy rodding access.

### **Design**

If design is a parameter, which is becoming the case in more and more aspects of life, stainless steel is a timeless classic material that also stands the visual test of time.

### **Environmentally safe**

Stainless steel is a 100% recyclable and non-toxic material.

### **Approvals**

The BLÜCHER® sanitary discharge system carries the approval of leading international classification authorities, for example ETA, SITAC, Byggforsk and BBA. Furthermore acoustic tests for BLÜCHER® EuroPipe have been carried out at the International Fraunhofer Institute.

**BLÜCHER® EuroPipe**

**BLÜCHER® Channel**

**BLÜCHER® Drain**



## HOSPITALS

The efficient function of any healthcare environment relies on the design and performance of its drainage and plumbing systems. Stainless steel's inherent capabilities make it the ideal material for such functions, its exceptional durability and performance qualities having long been accepted.

In areas where hygiene and corrosion resistance are paramount, stainless steel is the first choice of material.

### Most suitable products

Products such as BLÜCHER® EuroPipe that are easy to install and cut, can be used in prefabrication off site and are lightweight, hygienic and chemical-resistant. While providing a long-term guarantee of performance, BLÜCHER® EuroPipe significantly reduces installation time and costs.

Also floor drains for vinyl flooring can be of great interest to hospital bathrooms - available as round floor drains or elegant bathroom channels.

Gas-tight solutions for preventing bacterial spreading in clean rooms are also available.

The patented BLÜCHER® water trap is self-cleaning and easily removed to facilitate direct access for rodding.

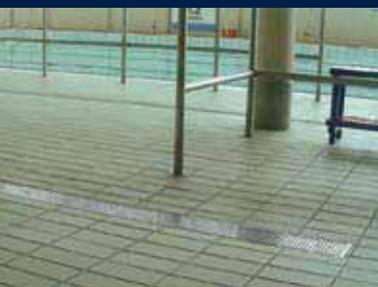
### Selected references

Queen Mary Hospital (Portsmouth), Hvidovre hospital (DK), Princess Alexandra Hospital (Brisbane), Blackpool Victoria Hospital, Queen Elizabeth Hospital (Hong Kong), St. James Hospital (Leeds), University College London Hospital. Reference list available on request.

Russell Horner of contractor Haden Young states: "On the Wharfedale Hospital in Leeds we considered PVCU and stainless steel for drainage pipework. In ceiling voids, the use of PVC would have required installation of fire stops, and this was a critical factor. We chose BLÜCHER® EuroPipe because combustibility is not an issue with stainless steel drainage, and the product itself is also light, easy to fit, a clean installation and virtually maintenance-free once installed."



## FITNESS & SPORTS



Sport arenas, fitness centres, gyms and swimming pools all over the world use BLÜCHER® drainage solutions.

Stainless steel grade AISI 316L gives a chemical-resistant solution, and it ensures a classic and aesthetic look.

### Most suitable products

Several options to the BLÜCHER® Drain range are available to suit all applications including traps, filters, membrane flanges, grates and side inlets. With the traps removed the drains provide full bore rodding access. Upper parts are adjustable in height and angle.

A standard range of channel designs and sizes are available off the shelf. Bespoke channels are produced to client specification. Outlets can be trapped with the option for filters. Inlets and plain ends can be provided for connection to existing drainage. In-fill edges, upper edge protection strips and adjustable legs to aid installation are available as options. Can be supplied with or without invert falls. Channels above 5 metres are produced in sections with gasket-bolted flanges.

Slim-line easy-to-install channels available in various lengths from 300 to 1000 mm. Ideal for single occupancy shower areas. Water traps and gratings are optional. Suitable for tiled, resin and vinyl floor finishes.

### Selected references

Sportcentrum Fitness First (the Hague), Czàszar Swimming Pool (Budapest), Sports & Aquatic Centre (Melbourne).

Reference list available on request.



## INSTITUTIONS



From Uppsala to Paris. Below or above ground. In changing rooms, laboratories, toilets, kitchens and washrooms. BLÜCHER® drainage systems can solve any drainage need in any type of school, resthome, prison or other public institution.

The smooth stainless steel surface and high capacity prevent settlements and standing water in all indoor public areas. An integrated and complete solution giving you the hygiene and easy cleaning that is necessary where many people gather.

Furthermore stainless steel is an environmentally friendly solution being 100% recyclable.

### Most suitable products

BLÜCHER® provides kitchen channels for the kitchen areas, drains and channels for the wet room areas and BLÜCHER® EuroPipe to connect the whole system.

Also balcony drains without water trap are available for outdoor areas.

### Selected references

International Grammar School (Sydney), Collège Bellevue (Toulouse), Elite University (Budapest), Universitat Pompeu Fabra (Barcelona), Augustenborgskolan (Malmö), Canadian International School (Hong Kong), North Texas State University, Elderly Citizens Home (Adelaide), Old Peoples Care Home (Budapest), Maryland State Prison, HMP Pentonville (London), Uppsala Polishus. Reference list available on request.



## HOTELS and other tall buildings



BLÜCHER® provides drainage solutions removing water from bathrooms, utility rooms, kitchens and basements in multi-storey buildings preventing bad smell and standing water from becoming a concern.

### Most suitable products

BLÜCHER® EuroPipe is the ideal drainage system for tall buildings. The stainless steel push-fit BLÜCHER® EuroPipe pipework system rises above the competition in several areas to offer the specifier and installer a cost effective, fire-safe and environmentally friendly drainage solution.

BLÜCHER® EuroPipe pipework system - unlike plastics - requires no fire collars and will not cause spread of fire neither up nor down. It has been proven by BSRIA that BLÜCHER® EuroPipe is 40% quicker to install than cast iron.

The architect will be pleased to find a wide range of design drains for the visible drainage installation in bathrooms ranging from elegant bathroom channels to trendy triangle drains in six different patterns.

### Selected references

Hilton Hotels, Hotel Marriot, Sofitel, Novotel, The Ritz Carlton (Bahrain). Reference list available on request.



## RESTAURANTS and other commercial kitchens



Kitchens in restaurants, stadiums, amusement parks and other commercial areas benefit from the hygiene of stainless steel that helps provide safe food for a lot of people each day.

### Most suitable products

BLÜCHER® Drain, BLÜCHER® Channel and kitchen channels are the obvious choice. Available in several standard dimensions with optional gratings for different needs. In particular we can recommend the HygienicPro grating - a patented grating leaving no leftovers.

For easy cleaning you can choose the removable water trap and a filter basket saving you time every day.

The grease separator is also a necessity in today's modern kitchen.

Within the BLÜCHER® EuroPipe range we would like to point out the rat stop available with or without cleaning access. For a solution resistant to all kinds of chemicals choose our products in grade AISI 316L acid resistant steel.

### Selected references

McDonalds, Burger King, Pizza Hut, Le Louvre, Oslo Opera, Bahrain National Museum, Ministère de L'Industrie, State Library of Victoria, Royal Danish Theatre, Copenhagen Zoo, Hong Kong Disneyland. Reference list available on request.



## SHOPPING MALLS



From the local super market to the world's biggest mall. You can find a drainage solution for your specific needs within the BLÜCHER® range of products.

### Most suitable products

BLÜCHER® EuroPipe, because it is truly lightweight, does not need mechanical aids to lift the pipes into position. In most cases one man can move and fit BLÜCHER® EuroPipe.

On horizontal runs BLÜCHER® EuroPipe needs brackets at 3m centres. On vertical runs BLÜCHER® EuroPipe, which is self supporting, requires no additional anchors at the base of the stack nor at every 5th floor interval and can be bracketed every 3 metres on straight runs.

BLÜCHER® Channel for linear drainage are available in numerous different shapes and lengths. A standard product program supplemented by a modular range and customised solutions gives you the whole palette.

BLÜCHER® Drain ranging from light- to heavy-duty drains is also part of the standard program. All drains are available for concrete, tiled and vinyl flooring. In particular the BLÜCHER® Compact drain with several outlet options in one drain is ideal for supermarkets and malls.

Furthermore design shower channels in a wide variety of patterns are available from stock.

### Selected references

Dubai Mall, IKEA, Tesco, Coop, Metro, Carrefour, Lidl, Woolworths. Reference list available on request.



# AIRPORTS



An airport must function. Thousand of passengers each day should reach their travel destination in an unworried way. The function of the drainage system is essential to fulfill this.

## Most suitable products

BLÜCHER® EuroPipe is ideal for indoor and outdoor drainage in airports. Because of the astetic looks it is also possible to let visible piping become an integrated part of the architectures.

In the restaurants the BLÜCHER® kitchen channels provide easy daily cleaning, and rest rooms remain fresh and clean with all day with BLÜCHER® Drain. The floor drains can be installed with removable water trap giving you easy access for cleaning or with the multi water trap preventing smelling even if the water trap duries out.

## Selected references

Gardamoen Oslo, Copenhagen Airport, Heathrow Airport, Barcelona Airport, New Athens Airport, Orly Airport, Arlanda Airport, Helsinki Airport.

Reference list available on request.



# BLÜCHER®

At BLÜCHER® more than 300 employees create an annual turnover of more than 50 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**



KEEPING UP THE FLOW