

BLÜCHER® DRAINAGE SYSTEMS

Marine applications

# MARINE



**BLÜCHER®**

K E E P I N G   U P   T H E   F L O W

STAINLESS STEEL DRAINAGE SYSTEMS

## Drainage systems for marine applications around the world

BLÜCHER® sanitary discharge systems have proven their functionality and reliability in over 3,000,000 metres piping installed in more than 900 vessels. Cruise ships, ferries, luxury yachts, naval vessels, cargo vessels, off-shore platforms and offshore vessels are among the places where you will find numerous 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 marine industry relies on the performance of our solutions at sea, where durability and light weight are essential. 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 marine drainage requirement.

**Marine**

**Housing**

**Commercial**

**Industrial**





## Specialised in stainless steel

### **Well-being onboard**

Clean and hygienic conditions in cabins, kitchens and sanitary facilities onboard are important elements contributing to the efficiency and the sense of well-being onboard. 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 strong, durable, pressure- and chemical-resistant. In addition, it is a light-weight material contributing to a total low weight of the vessel.

### **Non-combustable**

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° Celsius, stainless steel is a highly fire-resistant material.

### **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**

Creating an impression of luxury and well-being is also a matter of stylish and elegant design and luxurious furnishing.

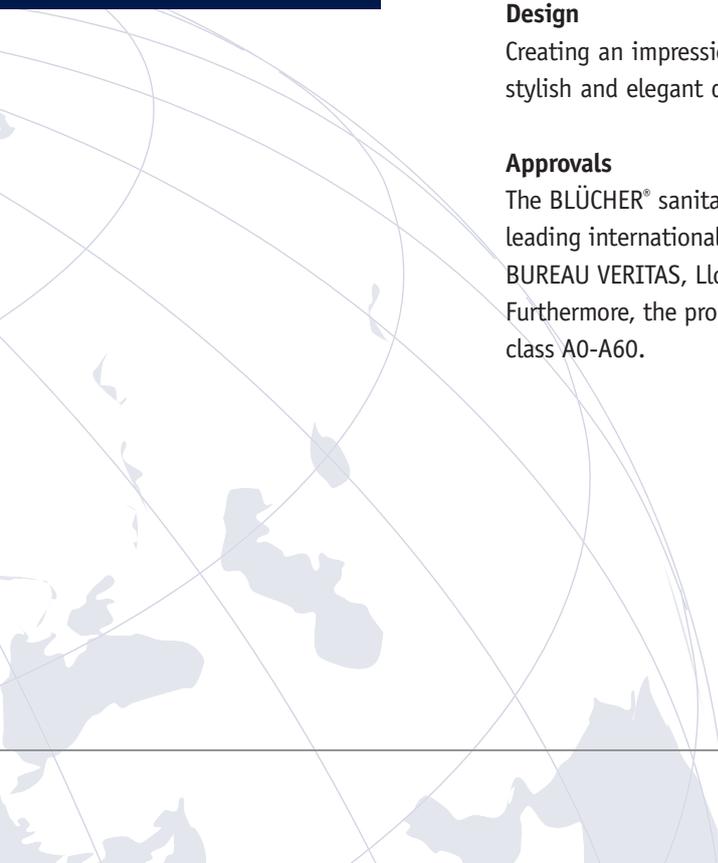
### **Approvals**

The BLÜCHER® sanitary discharge system carries the approval of leading international classification authorities, for example ABS, BUREAU VERITAS, Lloyds Register, NK, DNV, GL, RINA and USCG. Furthermore, the products are fire tested and MED/USCD approved to class A0-A60.

**BLÜCHER® EuroPipe**

**BLÜCHER® Channel**

**BLÜCHER® Drain**





## CRUISE SHIPS AND FERRIES

You will get more advantages using stainless steel sanitary discharge systems onboard. In particular the low weight, fire protection and hygiene are of great importance in connection with passenger ships.

### Most suitable products

The BLÜCHER® Drains have been developed in co-operation with some of the most progressive yards. The modular system provides an optimum solution for any deck construction. Choose a flanged lower part for a fixed height in the deck or a lower part with welding ring to provide up to 50 mm height adjustment. Add an upper part to suit whichever type of flooring is used.

In addition to providing an effective water seal, the removable water trap provides maximum rodding access. The multi water trap will prevent water from rising onto the floor and bad smell from the drain if the water trap dries out.

BLÜCHER® EuroPipe push-fit pipework system is light-weight, easy to install and completely interchangeable between vacuum and gravity systems. In black- and greywater systems BLÜCHER® EuroPipe can be installed from the sanitary fittings to the valves just before the sewage tanks.

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 triangular drains with gratings in six different patterns.

Product database and list of approvals are available at [www.blucher.com](http://www.blucher.com).

### Selected references

Freedom of the Seas, Liberty of the Seas, Norwegian Star, Color Magic, Pride of Hawaii, Galaxy, AIDA Diva, Celebrity Solstice. Complete reference list is available on request.





## LUXURY YACHTS

BLÜCHER® provides drainage solutions removing water from galleys, door openings, showers, deck areas and engine rooms.

The stainless steel design ensures a classic and aesthetic look.

### Most suitable products

BLÜCHER® multi-adjustable drains are designed for welding into decks and are suitable for all yachts. A penetration solution for aluminium decks/bulkheads is also available. Different shapes of drains with gratings in six different patterns are also part of the standard range.

BLÜCHER® EuroPipe is a corrosion- and fire-resistant pipework system for all sanitary discharge installations onboard.

Customised products and solutions available on request.

Product database and list of approvals are available at [www.blucher.com](http://www.blucher.com).

### Selected references

MY Platinum - Dubai Ports Authority, M/S Caravelle - Jade Yachts, Safari - Blohm & Voss, Lady Haya - Pesaro, Pelorus - Lürssen Kröger Werft, Oceanco - Kusch Yachts Agentur. Complete reference list is available on request.





## COMMERCIAL VESSELS

Stainless steel is the hygienic alternative onboard. It ensures a clean and safe drainage solution and contributes to maintaining a high food standard.

### Most suitable products

BLÜCHER® EuroPipe pipework system will prevent the spreading of fire either up or down and is completely interchangeable between gravity and vacuum systems. The system has proven tightness of connections up to 3 bar pressure and -0,85 bar vacuum. And with 50 years' life expectancy you are guaranteed a life-time solution.

BLÜCHER® Channel includes a wide range of kitchen channels with different grates and filter baskets to make cleaning easy. In particular we recommend the HygienicPro grating - a patented grating with a surface that does not leave any leftovers and prevents bacterial growth.

BLÜCHER® Drains are easy to keep clean and require hardly any maintenance. Available from stock with welding flanges in stainless steel for steel decks or in combined stainless steel and aluminium for aluminium decks.

Product database and list of approvals available at [www.blucher.com](http://www.blucher.com).

### Selected references

3 vehicle carriers and 10 container ships - MHI Japan, 6 container vessels - AP Møller, 35 commercial vessels - Mawai China, 24 container vessels - Dalian Shipyards China. Complete reference list is available on request.





## OFFSHORE AND NAVAL VESSELS

Offshore platforms and vessels all over the world appreciate the obvious benefits of stainless steel installations. Due to the features of stainless steel, all products are light-weight, corrosion- and fire-resistant.

### Most suitable products

The BLÜCHER® range of product range comprises drains, pipes and channels in a modular system providing numerous possible combinations.

BLÜCHER® EuroPipe pipework system will prevent the spreading of fire either up or down and is completely interchangeable between gravity and vacuum systems. Shock and vibration test report is available on request.

For aluminium structures you can choose our patented drains with combined aluminium and stainless steel flange for welding into aluminium decks.

Product database and list of approvals are available at [www.blucher.com](http://www.blucher.com).

### Selected references

Agbami Off Shore - Nigeria, Consafe-Aberdeen Oil Platform - UK, Bingo I & Bingo II Offshore Oil Rigs - USA, Thunderhorse & Atlantis - USA, Norsk Hydro Platforms - Norway. Auxillary vessel - British Navy, 5 frigates - Norwegian Navy, 2 logistics vessels - Danish Navy, 2 survey vessels - Dutch Navy. Complete reference list is 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