

MADE IN  
SWEDEN

**PURUS**

## Stainless steel channels & gullies

Applications in the fisheries industry

– commercial facilities for the cultivation and processing of fish and other aquatic animals

## YOUR EXPERT IN STAINLESS STEEL

### MADE IN SMÅLAND, SWEDEN

At Purus, we are proud that all manufacturing of our stainless steel floor channels and floor gullies takes place in Sweden. Production is performed by skilled professionals in our own factory in Smålandsstenar – from consultancy and preparation to production and after-sales service.

Through local manufacturing and extensive experience, we can offer innovative solutions and a wide range of products of high Swedish quality.

Our stainless steel range includes floor channels, floor gullies, worktops and fittings for kitchens, wet rooms and other demanding environments. All in stainless steel of the highest quality and functional design. The range also includes accessories in the form of filter buckets, sediment traps and water traps.

### WHEN SPECIAL IS STANDARD

The majority of the floor channels produced by us are customised to each application's unique needs for function, dimensions, material requirements and load class. What they all have in common is that they are easy to install, create a secure seal to the sealing membrane and flooring material, are easy to clean and have a high capacity.

We also stock a standard range of floor channels and floor gullies for commercial kitchens and laundry rooms, as well as different size industrial drains for different floor types, for quick delivery.

### WHAT ARE YOUR NEXT PROJECT'S SPECIFICATIONS?

Contact us for solution proposals, quotations and delivery times!



## ADVANTAGES OF CHOOSING PURUS



### MORE RELIABLE

#### SWEDISH-MADE & SUSTAINABLE

It's widely known that Purus is the largest supplier of floor gullies in the Nordic region and has over 75 years' experience in the industry. We work hard on development and innovation to also take a leading role in stainless steel floor channels.

Swedish-made, 100% recyclable stainless steel, plus inserts for as small an environmental footprint as possible, make us a reliable partner.



### HIGHER QUALITY

#### HYGIENIC & DURABLE

Our application knowledge enables us to manufacture efficient designs made from a stable material that does not emit harmful or irritating substances or bind moisture.

All floor channels, gullies and water traps are made of acid-resistant steel, EN 1.4404. They are pickled in their entirety after welding for extra high quality and corrosion resistance in environments with, e.g., moisture and impurities.



### EASIER

#### EASY TO ASSEMBLE & CLEAN

Our floor channels are designed for optimal drainage as well as easy cleaning. For example, our mesh gratings are carefully designed to be easy to lift and wash, and our filter buckets are spacious and easy to empty.

We take great care to save time with every installation. That's why parts are marked for easy and quick assembly, and our installation supports keep everything firmly in place during concrete casting.

# IDEAL DRAINAGE WITH PURUS CHANNEL

Our channel with grates in different widths – the most common being 100, 150 or 200 mm, or with a slot without a grate, as shown – has a hygienic design that meets the requirements of everything from catering kitchens to food production or other industries. Thanks to a wide range of specially adapted accessories – from robust sediment traps to fine-meshed filter buckets for young fish of fishing farms – we make sure that the floor channels are customised to both the application and the length requirements.

- **Low built-in height**
- **High quality**
- **Long-lasting maintainability**
- **Stainless acid-resistant steel (EN 1.4404) as standard, also available in stainless steel (EN 1.4301)**



Purus channel 100 for concrete floors with L15 grate and central outlet

Purus channels are customised for concrete floors, epoxy floors, vinyl floors with clamping frame, tiled floors with gluing flange, and for tiled floors with gluing flanges and insert boxes where tiles or equivalent are placed, also known as tile insert.

There are two possible outlet locations: central outlet and end outlet. The outlet housings are available with side or bottom outlets, in the dimensions Ø50, Ø75 and Ø110 mm.

Grates/strainers are selected according to the area of application and the load to which they will be subjected. The barefoot-friendly K3 grate is primarily used in bathrooms, spas and changing rooms and is available in different patterns, also in a lockable version. Our non-slip square mesh grating is available in two load classes, the L15 for passenger cars and the M125 for heavy vehicles. They are also available in lockable versions.

Please note that not all versions are available for all models, see our web page for more information!



**SundaHus**

Purus' production units have environmental and quality management systems that meet the requirements stipulated in SS-EN ISO 14001:2015 and SS-EN ISO 9001:2015. As a member of Kakelföreningen, the Swedish Flooring Trade Association and Safe Water Installation, we adapt our products to industry regulations. Most of our products have been environmentally evaluated by SundaHus and others.

# Avoiding young fish being flushed out with the wastewater

A fisheries business can involve everything from farming young fish into adults to processing operations where fish are filleted and packaged. What they all have in common is scale and stringent hygiene requirements.

Our floor channels are designed for easy and safe installation and to last a long time in heavily used environments.

But we had to develop a new kind of filter bucket for customers in the large fish industry in Norway. They wanted a filter bucket with holes that would prevent small fish fry from being flushed out with the wastewater.



**Filter bucket for fish farming**

The holes function as a filter that allows no fish fry > 2 mm in diameter to be flushed from the facility. The customer's need for a lock function was resolved by a handle on the filter bucket, which is secured by pushing down and turning when in the water trap.



Our floor channels and gullies are made of acid-resistant stainless steel (EN 1.4404), which provides high chemical resistance. Even loose parts such as water traps are made of acid-resistant steel. The picture shows a 110 mm side outlet, also available as bottom outlet. The capacity over the water trap and filter bucket is 5.5 l/s, diverting large quantities of water.



Sediment traps stop the residues that are otherwise flushed out via the outlet and risk causing blockages in the drain pipes. Usually placed in connection with stainless steel workbenches and wash troughs. Solid particles are separated from the water and remain at the bottom of the container.



A modular slot channel is a practical and robust solution for cases where you might want to drive over the channel with a forklift and avoid loosening grates. The advantage is also that you have an unobstructed view down into the channels, making it easier to flush them clean.



Purus manufactures customised worktops and sinks for all kinds of environments with leg frames or wall brackets. In the picture, the bench has seamless welded-in, double sinks and a substantial, seamless fold-up at the rear that makes the surfaces easy to keep clean.



We are particular about ensuring easy installation and quick adjustment, where our anchorage points are a strength. They make the channel extremely stable with brackets every metre of the way. The top cover foil must remain in place during the entire process of casting and surfacing work to prevent concrete and other debris from entering in the slot.



**Tip:** We also have stainless toilets, wash troughs and wash basins, and other hygienic, vandal-proof fittings for high-traffic environments. The staff must also be offered hygienic washing facilities before they go for lunch breaks or leave for the day.



### **Birthplace of millions of fish fry annually**

Salten Smolt AS delivers first-class smolt, which is what salmon weighing 60-100 grams are called, to breeders in Nordland, Norway. Founded in 2000, the company produces, markets and sells high-quality smolts from its locations in Skjerstadfjorden.

Salten Smolt has two facilities. The Rognan department is located in Vik in the municipality of Saltdal. Here fry up to 5-10 grams are hatched, fed and reared. In the hatchery in Breivik, Bodø

municipality, 4-4.5 million fry are produced per year, which in turn form the basis for 3.5-4 million smolts. The total production capacity volume at the facilities in Rognan and Breivik is 6,300 m<sup>3</sup>. The water volumes for the Breivik department are 60,000 L/min of fresh water and 60,000 L/min of sea water.

Construction of a new plant in Breivik started in 2020, which will triple production. For the project, we have supplied Purus channel drain slot modules for optimal drainage.



...TO FILLET...



“PURUS WAS TRUSTED TO DELIVER THANKS TO THEIR **FAST DELIVERY AND SOLUTION-ORIENTED APPROACH**”

#### **Firda Seafood in Byrkesøy, Norway**

A request was received by our prep team for stainless steel floor channels and gullies for a newly built facility of approx. 1,500 m<sup>2</sup> for receiving and filleting salmon and trout.

Following discussions with the customer, we came up with a customised solution, built on the basis of Purus channel drain slot module supplemented with 300 x 300 mm floor gullies in acid-resistant stainless steel, quality 1.4404.

Morten Hagen, Sales Manager,  
Purus Project, Norway





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### Checklist for faster quotation preparation

To handle a request, we need to know:

1. Floor type
2. Outlet location and connection
3. Dimensions and flow
4. Grating/strainer
5. Outlet design
6. Accessories
7. Material

Email us at [info@purusinternational.com](mailto:info@purusinternational.com) or call 0046 (0) 10 41 44 900

**PURUS**

[www.purusinternational.com](http://www.purusinternational.com)  
[info@purusinternational.com](mailto:info@purusinternational.com)



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