

ENGINEERED FOR DEMANDING OFFSHORE ENVIRONMENTS

FILTRATION EXPERTISE FOR OFFSHORE APPLICATIONS WORLDWIDE

Built for the realities of offshore operations, BOLL & KIRCH filtration solutions deliver dependable performance where uptime matters most.

For decades, we have supported Topside Modules, SeaChest Water Intakes and Seawater Intake Risers (SWIR) with robust automatic filtration engineered for demanding conditions.

Deep application expertise, high manufacturing standards and a global presence make BOLL & KIRCH a trusted filtration partner across the offshore industry—helping operators protect critical equipment and sustain reliable performance.

Our expanded portfolio now combines automatic and manual filtration for seawater, fuels, oils and other liquid media across topside and hull applications.

By combining German engineering excellence with high-quality fabrication in China, we offer a broader, more competitive filtration portfolio with clear commercial value for the global offshore market.



BOLL & KIRCH FILTERBAU GMBH

Frank Zichel

Team Leader Offshore F.P.S. - Sales
Business Unit Water

Siemensstraße 10 - 14
50170 Kerpen | Germany

P: +49 2273 562 233
M: +49 160 5824573

frank.zichel@bollfilter.com

www.bollfilter.com

www.linkedin.com/in/frank-zichel

FOLLOW BOLL & KIRCH ON





HEAVY-DUTY BASKET STRAINER FOR OFFSHORE APPLICATIONS

OFFSHORE SIMPLEX FILTER TYPE 1.89.2
SEAWATER INTAKE STRAINER FOR
SEAWATER PUMP PROTECTION

KEY-BENEFITS

- Offshore Ready Design
- Simple Basket Removal
- Large Filtration Area
- Low Pressure Loss
- Rubber Lined Carbon Steel Housing



ENGINEERED FOR LONG-TERM AVAILABILITY

RELIABLE MANUAL FILTRATION SOLUTIONS FOR DEMANDING OFFSHORE ENVIRONMENTS

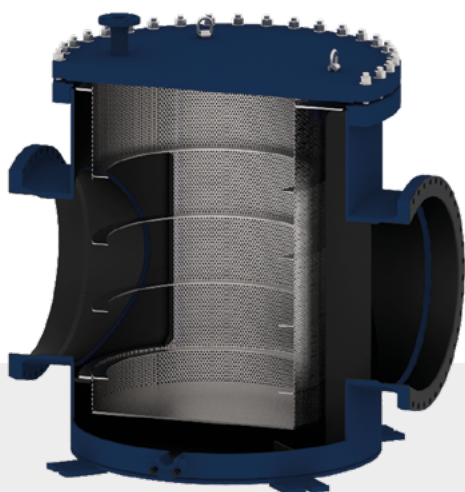
We at BOLLFILTER have now standardized this simplex strainer for the protection of the main Seawater pumps in the Seawater-Intake-Systems for floating & fixed production systems in the Offshore Industry. The robust fabricated carbon steel construction, combined with hard rubber lining, provides excellent corrosion resistance and a long service life in demanding offshore environments.

The large filtration area and low pressure drop make the strainer particularly suitable for the protection of the main Seawater pump on the pump suction side.

Based on its simple and proven design, the strainer offers maximum operational reliability while requiring only minimal maintenance.

TYPICAL APPLICATIONS

Protection of Seawater Pumps in Seawater Intake Systems on FSRU – FPSO – FLNG and fixed O&G Platforms



FILTER BASKET

Standard Construction

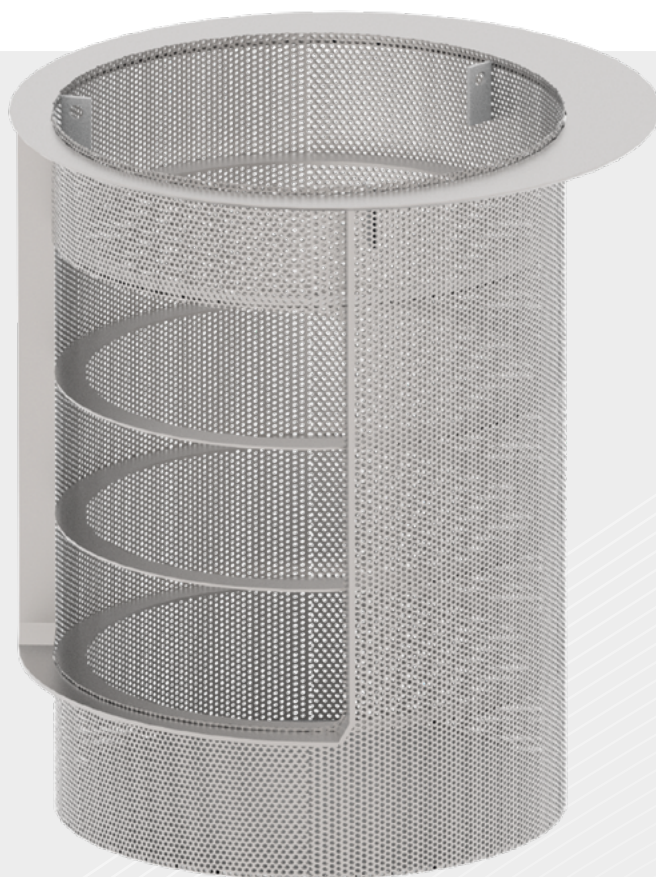
- Cylindrical basket element
- Stainless steel perforated screen
- Super Duplex Stainless steel perforated screen
- Reinforced support structure
- High collapse resistance
- Optimized free open area
- Sacrificial anode option

Available Perforations

- 3 – 5 – 6 – 8 mm

Other perforations available upon request.

FEATURE	VALUE
Type	Simplex Filter
installation	Vertical and inline
Design code	ASME VIII Div.1
Housing material	Carbon Steel, welded
Internal protection	3mm Hard rubber
Basket material	Stainless Steel, Super Duplex
Design Pressure	Full Vacuum to 6bar
Design Temperatur	0 to 60°C
Connection Standard	ASME B16.5/B16.47 Class150
Size range	DN12" – DN60"
Flexible In and Out Connections	

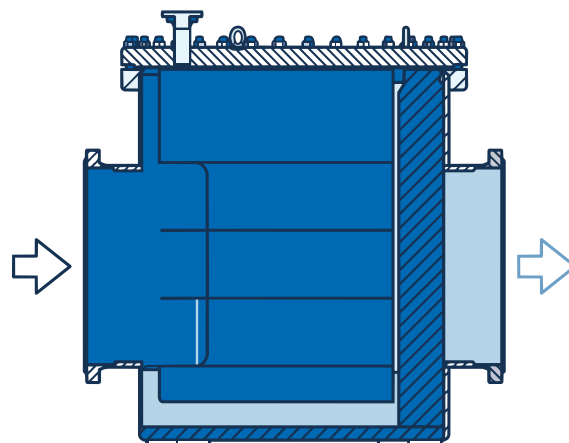


OPERATING PRINCIPLE

RELIABLE REMOVAL OF CONTAMINANTS WHILE MAINTAINING A CONTINUOUS FLOW

The contaminated Seawater enters the filter housing through the inlet nozzle and flows through the basket element from inside to outside.

Contaminants larger than the selected perforation diameter are retained inside the basket while the cleaned fluid exits through the outlet nozzle.



TYPE 1.89.2 OFFSHORE BASKET STRAINER

Reliable Protection for Seawater Intake Systems

- Heavy-duty offshore construction
- Large dirt holding capacity
- Low pressure loss
- Corrosion-resistant rubber lining
- Easy maintenance
- Designed for continuous operation

CERTIFICATIONS AND DOCUMENTATION

Available upon request:

- Material Certificates EN 10204 3.1
- Marine Class Compliance Certificates
- Typical Offshore Project documentation

OPTIONAL FEATURES

- Differential pressure indicator or transmitter
- Vent connection
- Drain connection
- DAVIT lifting device
- Internals in 316 or SDSS
- Customer-specific nozzle arrangements
- Special Offshore coatings

