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**9,000 m<sup>3</sup>/h**  
Max. Flow Rate

**10-500** micron  
Filtration Degree

**100%**  
Screen Cleaning

Down to **1.6 bar** (23psi)  
Min. Operating Pressure

Up to **180,000** cm<sup>2</sup>  
screen in a single  
filter

## Vertical and Horizontal Configuration



# ABOUT FILTERSAFE®

With over three decades of experience in automatic water filtration, Filtersafe filters are equipped not only with state-of-the-art patented technology, but also the know-how to successfully integrate our solutions in industrial water applications.

Filtersafe filters can deal with the most challenging filtration situations. That's why we are one of the top suppliers for ballast water filtration worldwide.

- **Oil & Gas Sectors**
- **Power & Energy Sector**
- **Water Reclamation & Desalination**
- **Municipal Water Treatment**
- **High-End Agriculture**
- **Other Industrial Needs**



High End Agriculture Project for Drip Irrigation



Skid package option for Oil & Gas installation

## Reliable filtration down to 10 µm

With flow rates from 50-9,000 m³/h in a single unit and unlimited potential for various configurations.

Filtersafe brings you unrivaled value, effectiveness and durability. Our filters effectively remove high volumes of TSS and organic matter, including macro-fouling. We are able to manufacture filtration systems in skid format, and can also supply with stand-by functionality for:

- **Seawater Injection & Produced Water Course Filtration**
- **Intake Water Filtration**
- **Treated Effluent Polishing**
- **Cooling Water Circulation**
- **Protection of Cartridge Filters, Membranes, & Disinfection Units**
- **General Purpose Industrial Process & Protection Filters**



Ballast Water Pretreatment before storage in tanks

# WE LEAD THE MARINE WATER FILTRATION INDUSTRY, FILTERING OVER 25% OF GLOBAL BALLAST WATER.



*"ERMA FIRST S.A has chosen Filtersafe due to their technology, their personnel deep knowledge in filtration along with their good service support. The success of our cooperation is confirmed by a long reference list which counts more than 200 installed filters in vessels with operators including international shipping companies with Crude Oil Tankers, Bulk carriers, Container vessels, and ROROs. We look forward to continued successful cooperation with Filtersafe."*



Sewage Water Recycling Project



UF Pre-Treatment Desalination Project



On-Board Ballast Water Treatment Installation



*"Ecochlor has been working with Filtersafe for more than a decade. Through that time, we have established a strong partnership as both companies have adapted to the growing market. Filtersafe provides the quality products and excellent customer service that we rely on to deliver our systems."*



Pre-Filtration for Disinfection Against Fusarium



Skid mounted Cooling Tower System



Smartweave Screen Installation in Multi-Type Filter Body

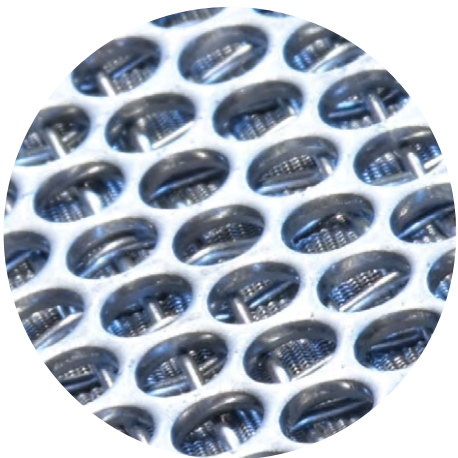


*"Bloom Agro chose Filtersafe for their unique filtration technologies, that quite simply, allows their filters to work reliably and effectively in situations where other filters have not been able to. We endorse Filtersafe filters for use in applications where reliability and durability are important."*



# FILTERSAFE® TECHNOLOGY

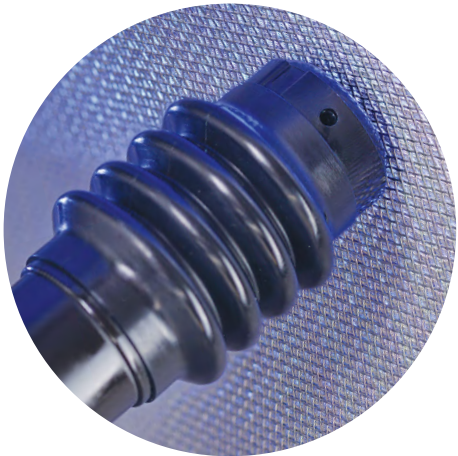
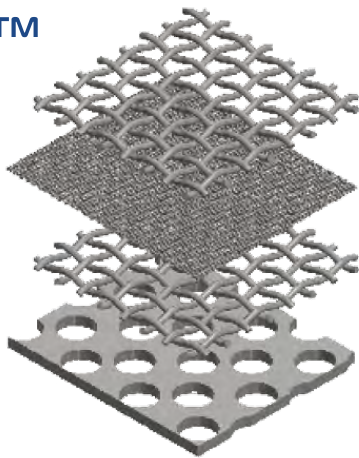
Filtersafe’s automatic screen filters utilize unique, patented and leading edge technologies to ensure the high performance criterion the market demands are met. Our filters harness our own market-proven **smartweave™** filter screens and **nozzlex™** proximity suction nozzles:



**smartweave™**  
intelligent sintered screen

**smartweave™** high performance filtration screens

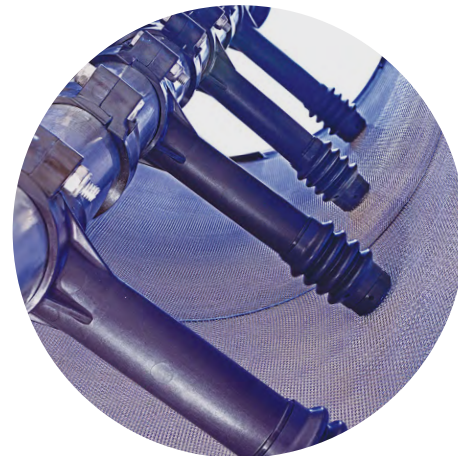
- Multi-layered sintered structure
- Enhanced strength & durability
- Filters from 10-500 microns
- Available in 316L, 904L, SMO254



**nozzlex®**  
suction scanning technology

**nozzlex™** self-cleaning cycle for maximum removal efficiency

- Self balancing cleaning nozzle
- High Efficiency clean
- Zero screen wear + reduced nozzle wear
- Low pressure operation

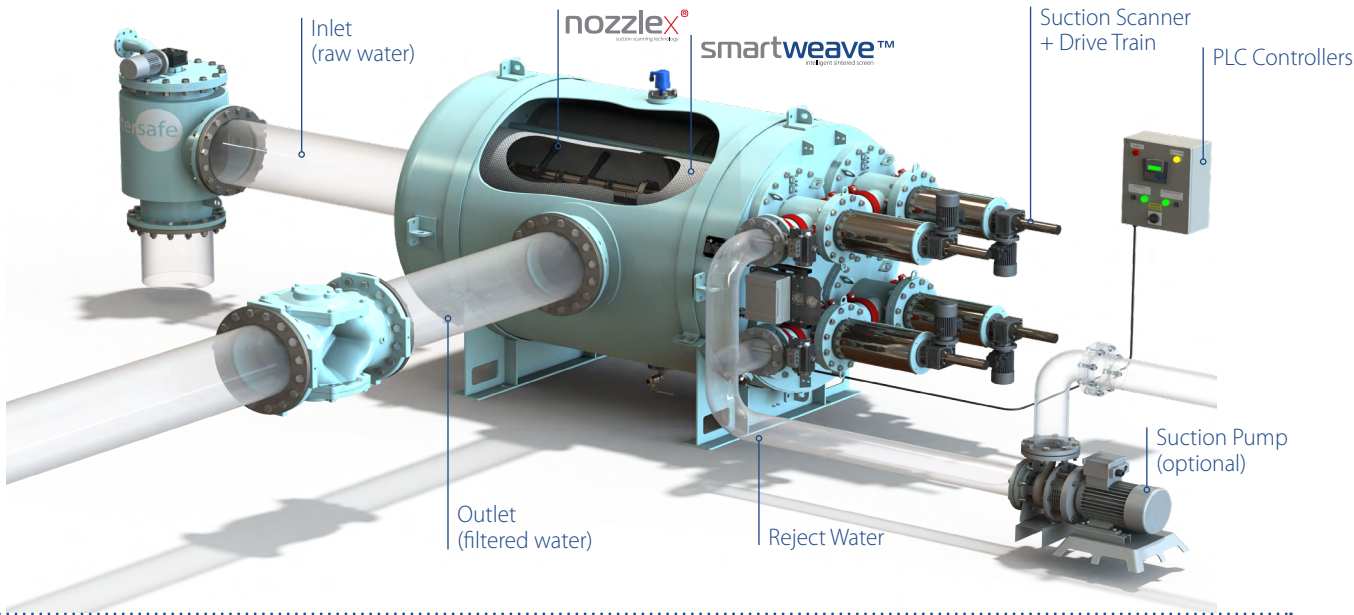


Together they are

**EVERCLEAR™**  
automatic filtration cycle

An unparalleled automatic filtration cycle

- **smartweave™** screen traps organic matter & suspended solids
- As sediments are trapped, a rising pressure differential between inlet and outlet will initiate the cleaning process
- **nozzlex™** scans the entire **smartweave™** screen removing all matter, disposing of the reject water through the flushing chamber
- The filter returns to it’s original operating parameters



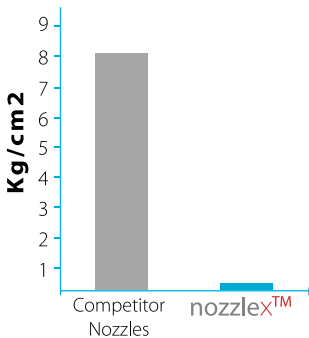
## Zero screen wear from cleaning nozzles

**nozzlex™** causes zero screen wear, compared to other nozzle-based screen cleaning technologies that require excessive mechanical force when cleaning the screen.

This force not only damages the screen and nozzles, but often pushes debris against the screen causing holes.

## Force exerted on screen by nozzles

Only **3.1%**



of the strenuous force exerted on the screen compared to other suction scanning technologies.

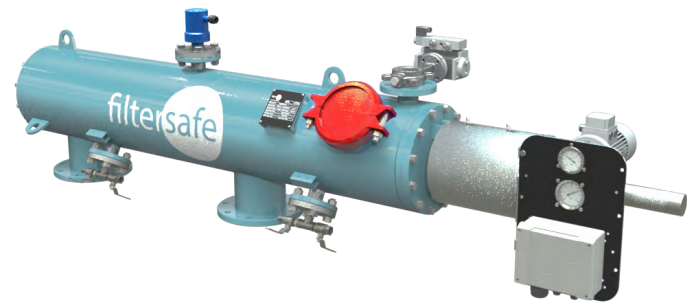
Due to **nozzlex™**s advanced, spring-free technology, only minimal gentle contact is made with the screen - extending the life of your filter and enhancing your system’s performance.

**smartweave™** intelligent sintered screen + **nozzlex®** suction scanning technology = **EVERCLEAR™** automatic filtration cycle

FS

50-1,000 m³/hr

- Screen area: 2,500-20,000 cm²
- Easy maintenance, can be performed by one person with unique inspection port. No lifting tools required
- Includes a preliminary coarse screen for prevention of large solids entering the filtration chamber
- Horizontal and vertical configurations



FS High Flow

50-2,500 m³/hr

- Screen area: 30,00-50,000 cm²
- The largest single screen filter on the market
- Small footprint
- Horizontal and vertical configurations



FS Multi

Up to 9,000 m³/hr

- Screen area: 60,00-180,000 cm²
- Unique twin-screen assembly reduces service space required
- Horizontal and vertical configurations



*The original weavewire screen tailored specifically for challenging filtration needs*

Tailored Filtration Solutions

The filter that exactly meets your needs. Our filters can be configured in a limitless array of positions and spacial arrangements.

The vertical filter configuration operates in the exact same manner as a horizontally positioned unit and to the same performance standard, whilst substantially reducing its area footprint.

**turbo™ superturbo™**  
for High Sediment Loads

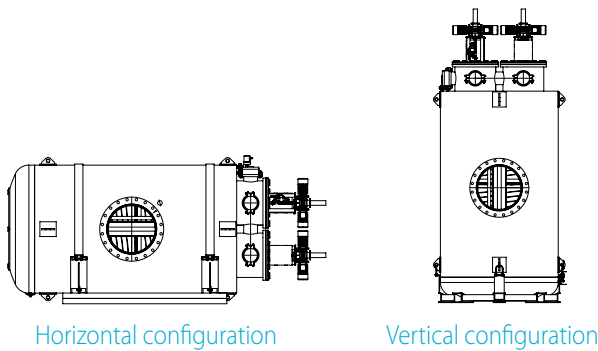
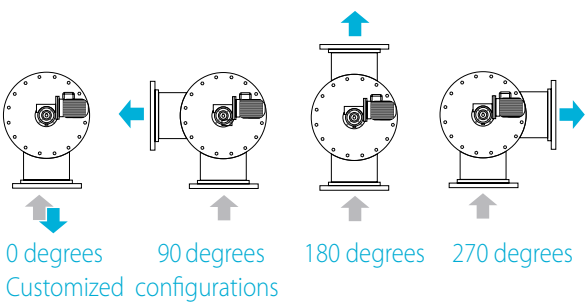
All Filtersafe® automatic screen filters can be equipped with our unique **turbo™** technology which increases the filter's capability to operate in high dirt-load situations. This unique feature gives our filters a distinct market advantage in challenging sediment-rich environments.

Modular Design

The FS-Series' modular design allows for numerous configuration options and is adaptable for any installation.

Horizontal & Vertical Configurations

Our filters can be rotated to fit your configuration needs, either for Horizontal installation to ease service & accessibility, or for Vertical installation for minimal footprint. .



ASME

Filtersafe builds when required to ASME & PED standards and can comply with any international specifications or requirements.

Explosion proof/Ex ia

Filtersafe offers explosion proof (EX) and pneumatically operated models for hazardous areas.

Optional Filter Accessories

**turbo™**

**superturbo™**



Suction Pumps



PLC Controllers



smart **valve**



# REGIONAL OFFICE, MANUFACTURING & ASSEMBLY

## ● ISRAEL

Our flagship factory. The 4,000 sq/m building contains our regional sales offices, R&D facilities and manufacturing and assembly plant. The facility is capable of handling very large volumes of production with an incredibly fast lead time.

### **Contact Information:**

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2495900, Israel  
Phone: +972 4 987 3620 ext. 105/106,  
Email: sales@filtersafe.net

## ● HONG KONG

Our Hong Kong manufacturing and assembly plant produces our entire line of products to the region, and is supported by a world-class steel fabrication facility.

### **Contact Information:**

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Lantau Island N T, Hong Kong  
Phone: +852 2454 4300  
Email: fshongkong@filtersafe.net

## ● AUSTRALIA & NEW ZEALAND

Regional Office & Distribution Center

### **Contact Information:**

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Phone: +61 418 266 266  
Email: fsaustralia@filtersafe.net

## ● BRAZIL, Rio de Janeiro

Branch Office

### **Contact Information:**

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## ● CHINA, Beijing

Branch Office

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Xinyuanguoji Plaza, No 1,  
Chengshousi Road, Fengtai  
Dist., 100078 Beijing, PRC China  
Email: fschina@filtersafe.net

## ● GERMANY, Hamburg

Branch Office

Strategic Sales & Technical  
Office serving all European  
markets.

### **Contact Information:**

Phone: +49 151 5111 9622  
Email: fsgermany@filtersafe.net

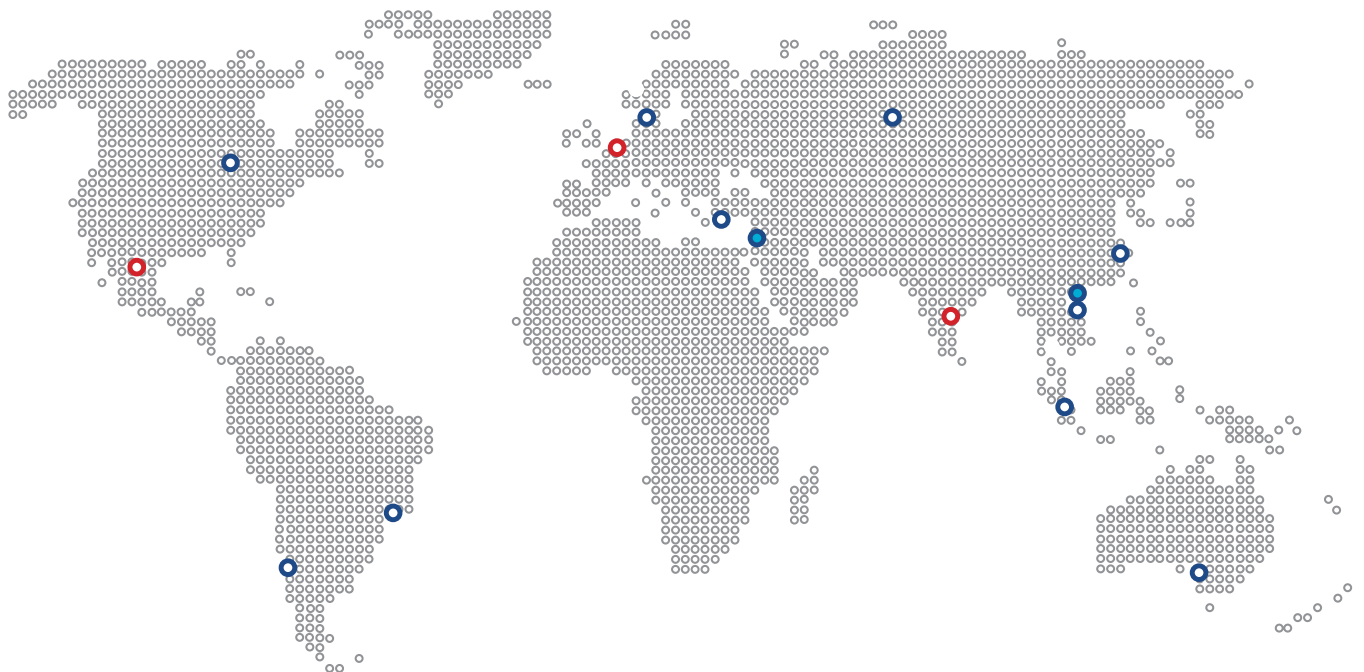
## ● SINGAPORE

Branch Office

Strategic Sales & Technical Office

### **Contact Information:**

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#02-08, Singapore 608501  
Phone: +65 9848 9856  
Email: fssingapore@filtersafe.net



● Filtersafe Offices

● Filtersafe Manufacturing Facilities

● Filtersafe Distributors



www.filtersafe.net

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