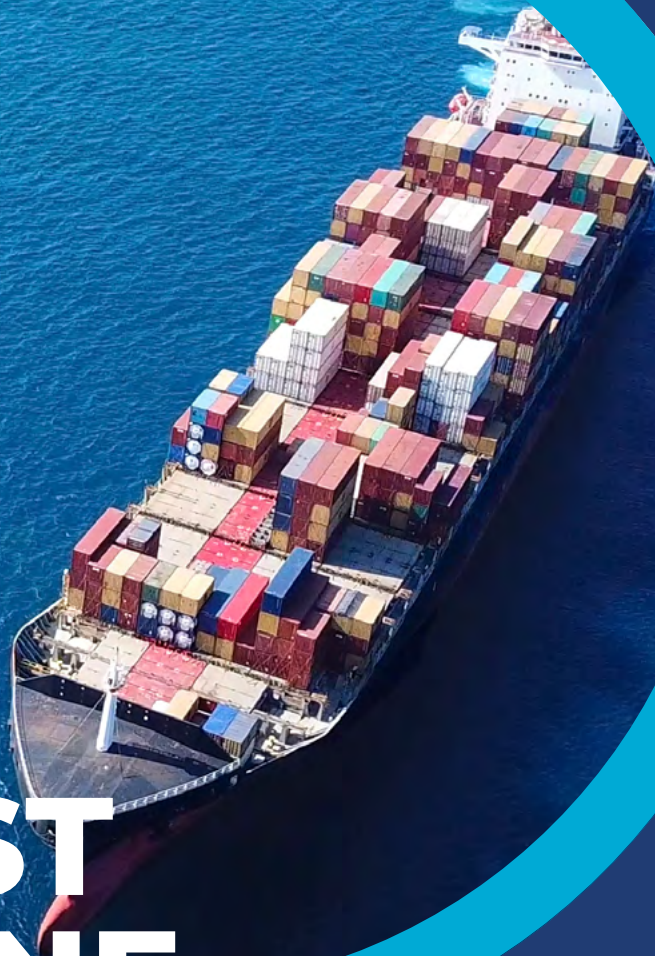




BALLAST & MARINE

FILTERS ENGINEERED FOR
BALLAST WATER TREATMENT

6,840 m³/h
Max. Flow Rate

10-500 micron
Filtration Degree

100%
Screen Cleaning

Down to **1.6 bar**
(26psi) Min. Operating
Pressure

Up to **180,000 cm²**
Filter Area

Max. Working
Temp 60°C

**COMPLEX CHALLENGES
SIMPLE SOLUTIONS.**

Filtersafe

FILTERSAFE® BALLASTSAFE SERIES FOR BALLAST WATER.



Compact Screen

50-1,475 m³/hr

- The largest single screen filter on the market
- Small footprint
- Horizontal and vertical configurations



High-Capacity Single Screen

50-2,500 m³/hr

- The largest single screen filter on the market
- Small footprint
- Modular by Design



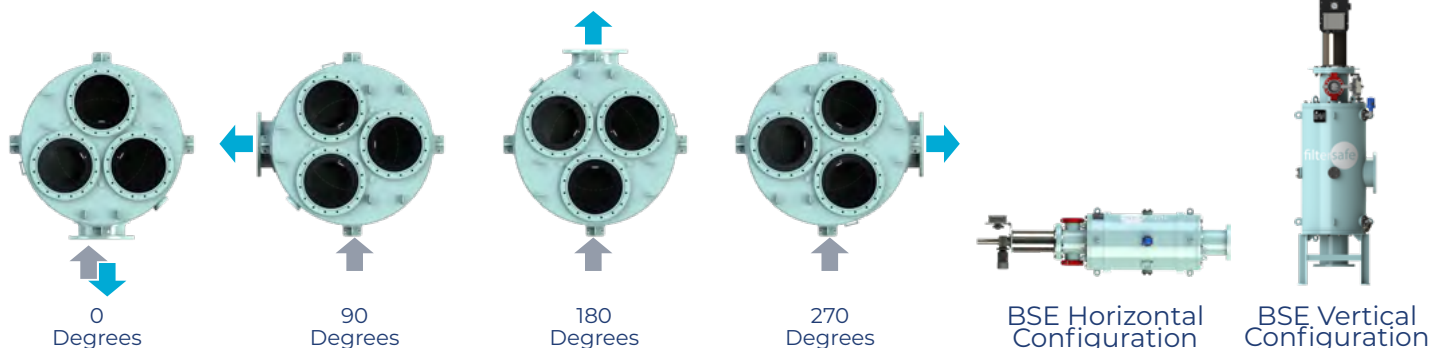
Multi-Screen

Up to 6,840, m³/hr

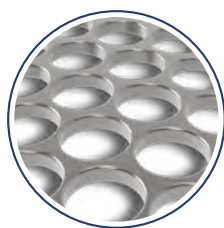
- Multiple screens in single pressure vessel
- Unique twin-screen assembly reduces service space required



Flexibility in Design & Installation:



Our Technology:



smartweave™

High performance filtration screens:

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



nozzlex®

Self-cleaning cycle for maximum removal efficiency:

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



EVERCLEAR™

An unparalleled automatic filtration cycle.

Upgrade your filter's cleaning capacity with **turbo™** or **superturbo™** upgrade packages:

- Doesn't impact shape or size of filter
- Maximizes cleaning capacity & speed while minimizing footprint
- Tested & Verified by Lloyd's Register and DHI.
- Ideal option for high loads when small footprint is key.

Optional Filter Accessories



Explosion Proof (EX ia)



Pneumatically Operated Models



Suction Pumps



PLC Controllers



smartvalve

FILTERSAFE® MANTA SERIES PLUG & PLAY BALLAST WATER FILTER



MANTA Series

90-500 m³/hr

Up to 16,200 cm² screen area

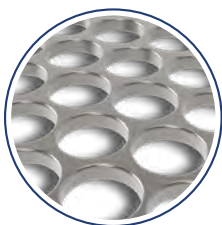
Up to 55 m³/hr min. flush flow rate

- Compatible With Existing BWMS
- Ease of Maintenance & Operation
- Low Recovery Rate
- Small Footprint
- Proximity Nozzle + Unpleated Screen = 100% Screen Cleaning

New,
more-efficient
OneMotion
technology!



Our Technology:



smartweave™

High performance
filtration screens:

- 4 Layer sintered weaved screen
- Enhanced strength & durability
- Available material: 316L, 904L



BladeX®

Self-cleaning cycle for
maximum removal efficiency:

- Self balancing cleaning nozzle
- Zero screen wear + reduced nozzle wear
- **BladeX®** scanners overlap to ensure 100% Screen cleaning
- Low pressure operation



EVERCLEAR™

The **MANTA's** **EVERCLEAR™** cleaning cycle is comparable to the **BallastSafe** series **EVERCLEAR™** + **superturbo™**, offering unparalleled filtration.

LITRATURE & RESEARCH

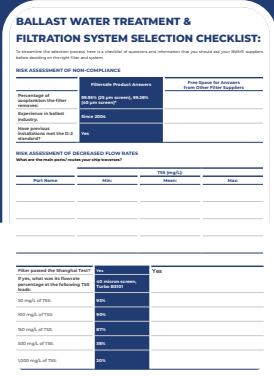
Our Products



BALLASTSAFE CATALOG



MANTA SERIES CATALOG



BWMS SELECTION CHECKLIST



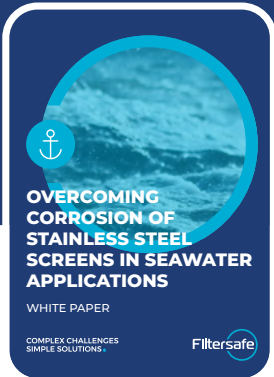
Our Research



COST OF COMPLIANCE WHITE PAPER



SHANGHAI TEST RESULTS



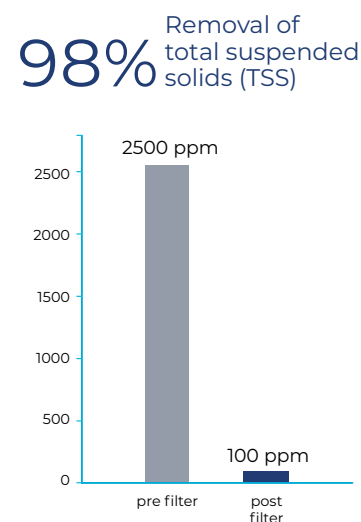
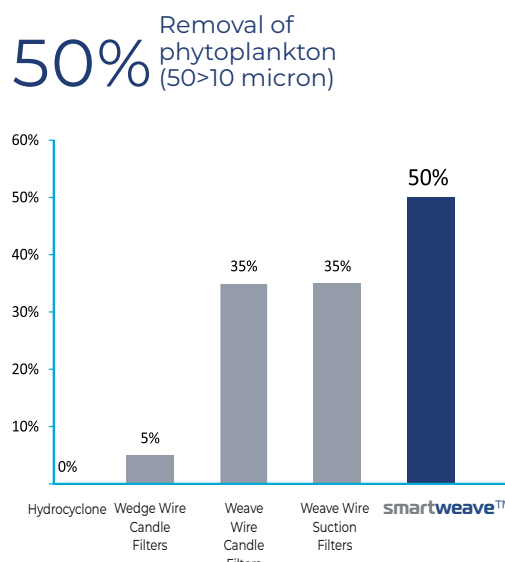
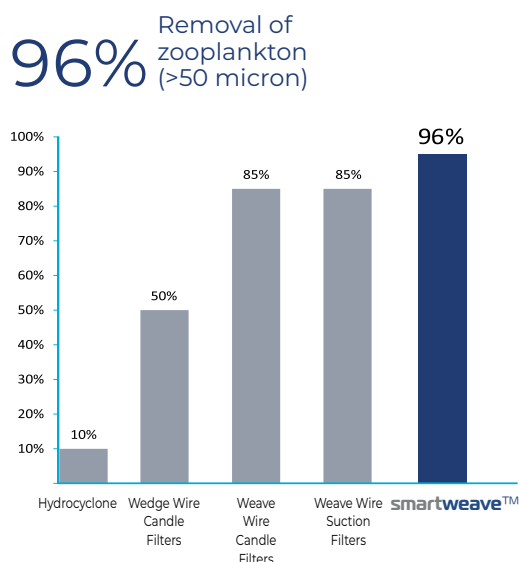
OVERCOMING CORROSION WHITE PAPER



DO YOU KNOW THE COST OF D-2 COMPLIANCE?

A BWMS Filter Can Affect The Ship's Compliance with IMO and USCG Regulations.

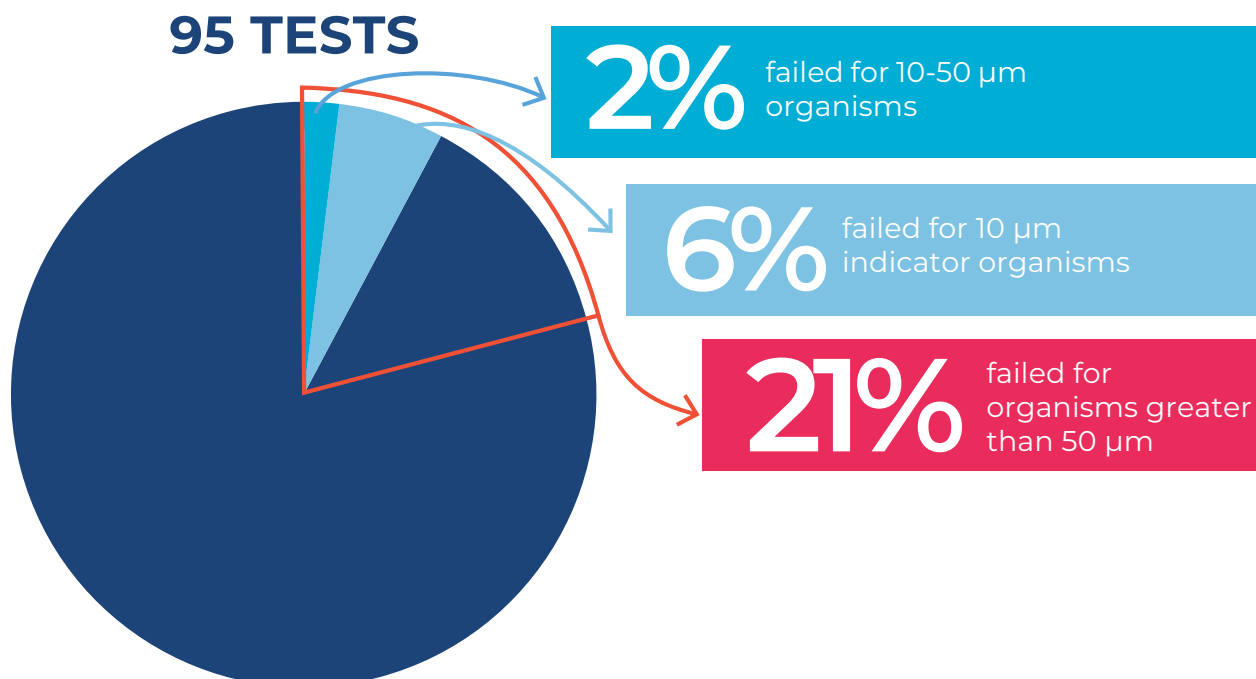
Filtersafe has tested and perfected the performance of the **smartweave™** screen for removing organisms and sediment*.



* In conjunction with our research partners and customers.

SGS 2020 Statistics Report

21% of the discharge sample likely did not meet the IMO D-2 discharge standard



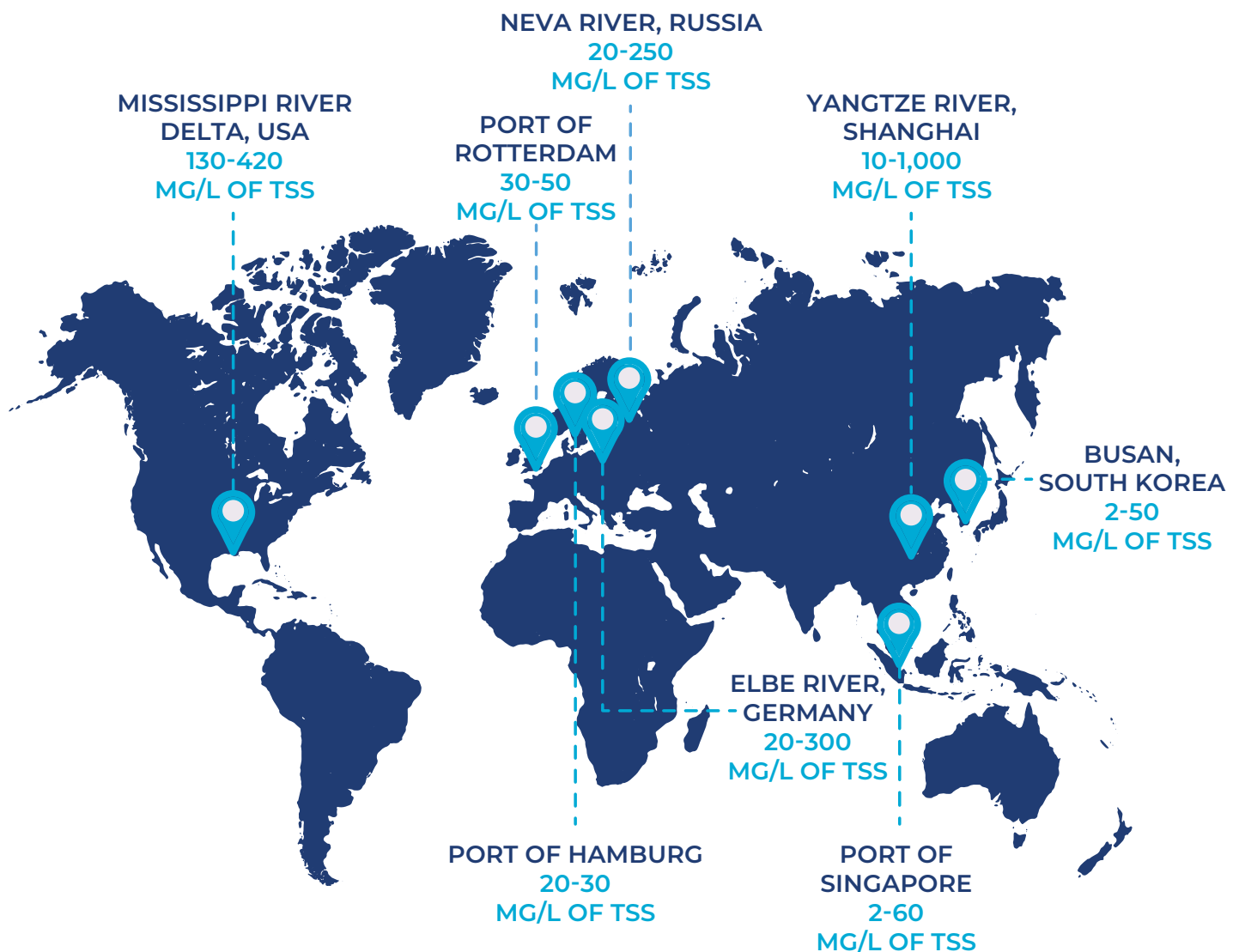
SAIL ANYWHERE WITH A FILTERSAFE FILTER!



The world's busiest ports have some of the most challenging water quality. Filtersafe took the Control Union's Shanghai Test (named after the famously turbid river) and our filter didn't clog, even at over 1,000 ppm.

Don't limit your ship's route due to a filter that can't stand up to sediment.

TSS Levels at Popular Shipping Routes Around the World:



Our Story

Filtersafe is the only ballast water filtration company that started with the goal of creating a seawater filter that will make ballasting more efficient for shipowners and safer for the aquatic environment.

Since our beginning in 2004, Filtersafe has grown to be a world leader in seawater filtration and our filters are installed in over 3,500 ships around the world.



Skid Packages



Filtersafe filter within an *ERMA FIRST* BWMS installation



Installing our patented nozzle[®] screen cleaning technology within a BSE Multi-Screen filter.



Our **BallastSafe** filters are modular and can be oriented in any direction to fit any installation.



COMPLEX CHALLENGES SIMPLE SOLUTIONS.

Our Clients



"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."

Konstantinos Stampedakis
Managing Director, ERMA First



"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."

Justin Knight
Director of Operations, Ecochlor



"After working with Filtersafe since 2018, we can say that we are quite satisfied with the filter quality and performance thanks to good support on our ECS-Hychlor system."

Contact Us

Our team of specialists can provide support with project requirements, training, and product enquires. We have offices around the globe available for assistance with our product range and the services we offer.



+972-4-6046000

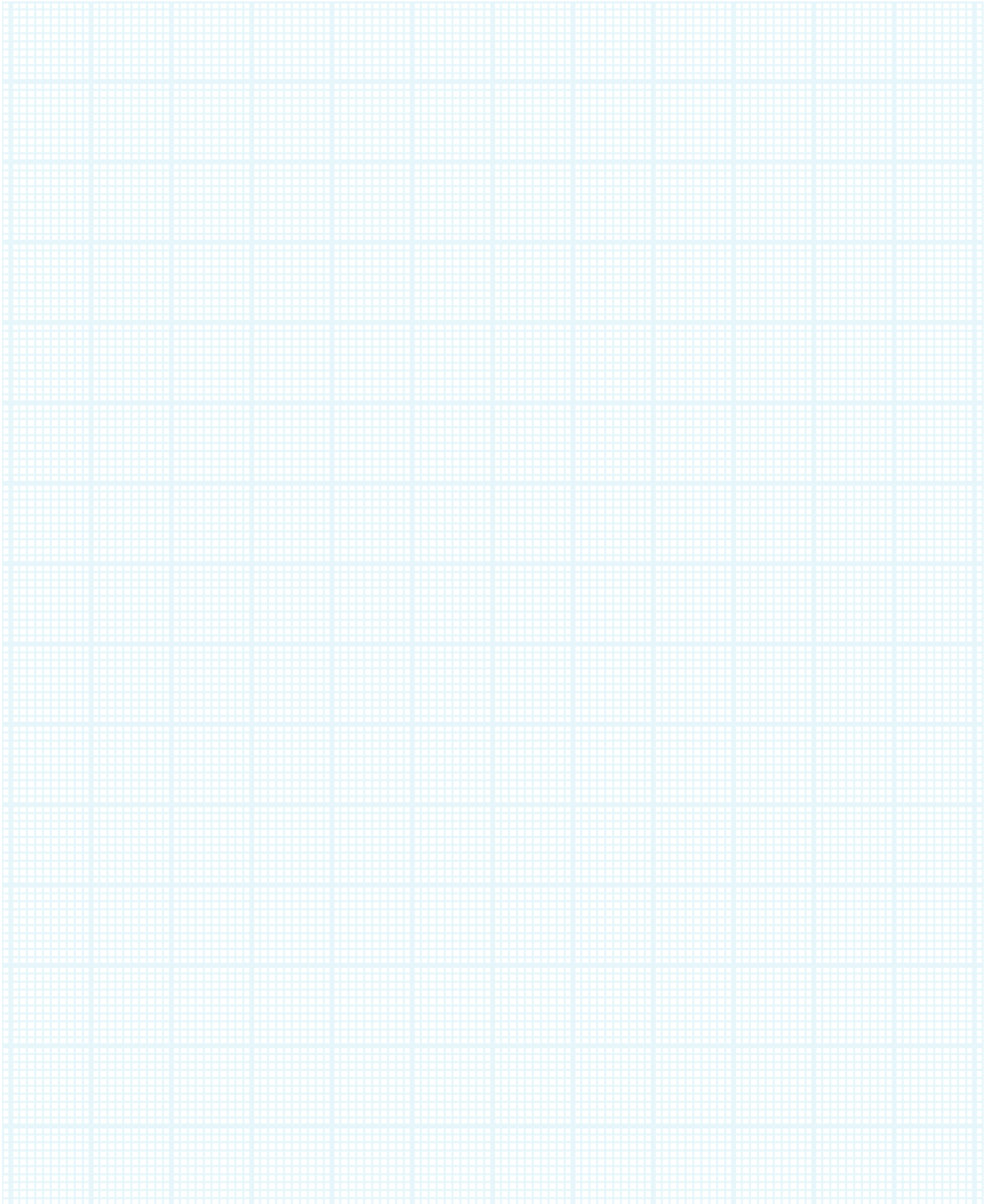


sales@filtersafe.net



www.filtersafe.net

USER NOTES





OUR HEADQUARTERS

Our flagship factory. The 4,000 m² 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.

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- **CHINA**
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- **CHILE & PERU**
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- **UNITED STATES**
fsusa@filtersafe.net

OCEANIA

- **AUSTRALIA & NEW ZEALAND**
Regional Office
& Distribution Center
fsaustralia@filtersafe.net



- Filtersafe Offices
- Filtersafe Manufacturing Facilities



www.filtersafe.net



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