



Manta

SERIES

PLUG & PLAY AUTO SELF-CLEANING FILTER



- ✓ Small Footprint
- ✓ BladeX: A New, Larger Scanner Head
- ✓ Ease of Maintenance - 1 Person Screen Maintenance
- ✓ OneMotion Scanner with Advanced Cleaning Capability

- ✓ High Particle Removal Efficiency
- ✓ 4 Layer Sintered Screen SS 316L or SS 904L for Seawater
- ✓ Continual Operation During Flushing
- ✓ Proximity Nozzle + Unpleated Screen = 100% Screen Cleaning

Up to
500 m³/h
Max. Flow Rate

25-200 µm
Filtration
Degree

10 bar
Pressure
Rating

**In-Line &
Vertical
Configuration**

1.6 bar
Min. Operating
Pressure

3,300-16,200 cm²
Screen Area

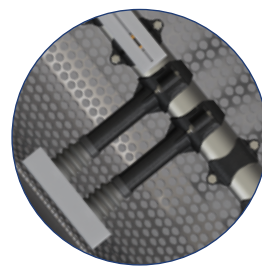
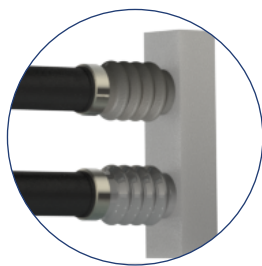
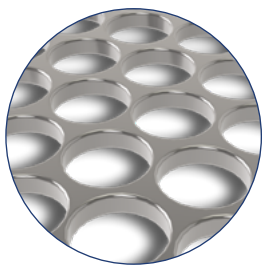
Max. Working
Temp 50°C

**COMPLEX CHALLENGES
SIMPLE SOLUTIONS.**

Filtersafe

OUR TECHNOLOGY

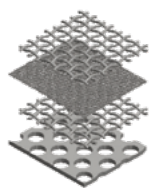
Our automatic screen filters utilize our unique, cutting-edge patented technologies, **smartweave™** filter screens and **BladeX** proximity nozzles, to meet the demanding needs of the market.



smartweave™

BladeX

EVERCLEAR™



High performance filtration screens:

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

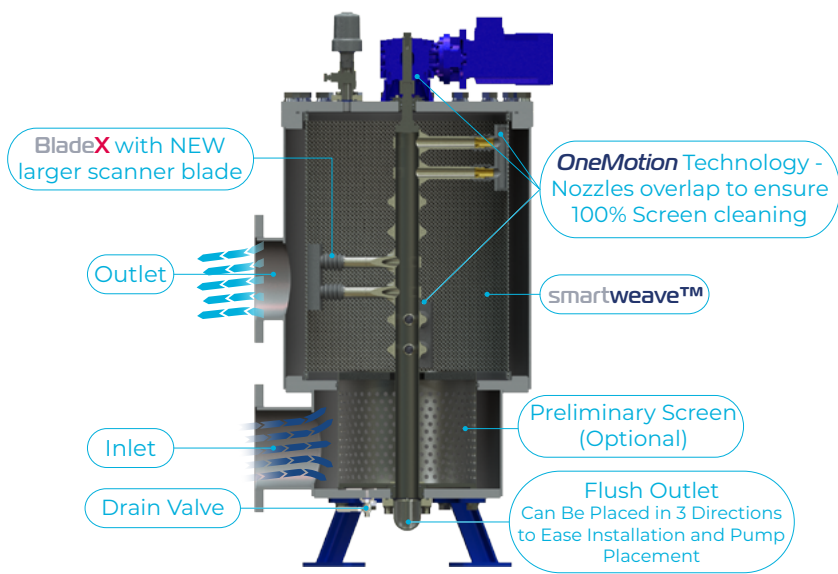
Self-cleaning cycle for maximum removal efficiency:

- Enhanced nozzle blades for faster cleaning
- Zero screen wear + reduced nozzle wear
- **OneMotion** scanners overlap to ensure 100% Screen cleaning.
- Low pressure operation

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

Cleans While In Operation:

1. Removable primary screen prevents large objects from entering the filter body.
2. Organic matter and debris begin to build up on the screen interior.
3. Once a differential pressure of 0.3 bars is reached the automatic cleaning sequence is initiated.
4. Filter remains in operation with downstream flow remaining consistent during self-cleaning.
5. Overlapping proximity nozzle heads cover the entire surface area of the screen's interior, fully cleaning the screen in one rotation.
6. Cleaning sequence finishes and filter continues to filter as normal.



Manta | Technical Specifications:

Model	MANTA 33 #MAN0033	MANTA 56 #MAN0056	MANTA 110 #MAN0110	MANTA 162 #MAN0162
Inlet \ Outlet*	4" (DN100)	6" (DN150)	8" (DN200)	10" (DN250)
Screen Area	3,300 cm ²	5,600 cm ²	11,000 cm ²	16,200 cm ²
Max Capacity**	90 m ³ /hr.	150 m ³ /hr.	340 m ³ /hr.	500 m ³ /hr.

* Available in DIN PN10. For additional standards contact us.

** Dependent on filtration degree, water quality and inlet size. Contact us for more information.

Contact Us for More Info:
sales@filtersafe.net | www.filtersafe.net