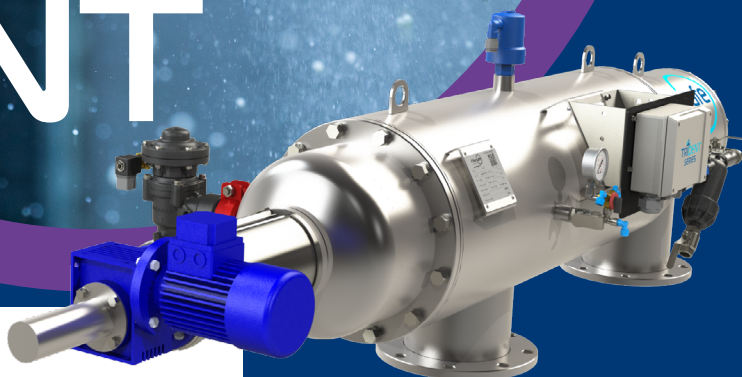




TRIDENT E SERIES

AUTOMATIC ELECTRIC SELF-CLEANING SCREEN FILTER



- ✓ **nozzlex** Patented Proximity Nozzles + 4 Layer **smartweave** Sintered Screen = **EVERCLEAR** Automatic Self-Cleaning Process
- ✓ Full 316 Stainless Steel Construction
- ✓ Highly Effective Cleaning with Over 99% Recovery Rate and Full Screen Recovery

- ✓ Large Preliminary Screen Protection for Direct Primary Water Sourcing
- ✓ Ideal for Low Pressure
- ✓ The Filters are Plug & Play
- ✓ High Flow & Large Filtration Area
- ✓ Failsafe NC Flush Valve

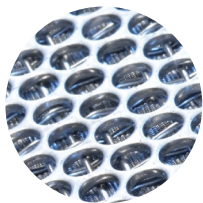
Up to 600 m³/h Max. Flow Rate	80-500 µm Filtration Degree	10 bar Max. Operating Pressure	Less than 1% Backwash Water Consumption
1.6 bar (23 psi) Min. Operating Pressure	Up to 12,000 cm² Filter Area	AD 2000 Design Code	Max. Temp 65°C

ENGINEERED FILTRATION.

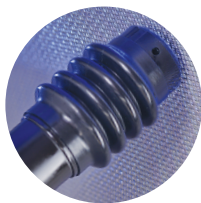
Filtersafe

OUR TECHNOLOGY

The Filtersafe **Trident E** Automatic Screen filters are durable and reliable with a large preliminary screen that is ideal for situations with challenging water and low pressure requirements, such as Greenhouses, Drip Irrigation, or other Industrial and Municipal needs with high loads of TSS. The **Trident E** provides an uninterrupted supply of clean filtered water even during the flushing cycle.



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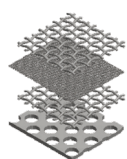
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smartweave™

nozzlex®

EVERCLEAR™



high performance filtration screens:

1. Multi-layered sintered structure
2. Enhanced strength & durability
3. Available in 316L, 904L, SMO254

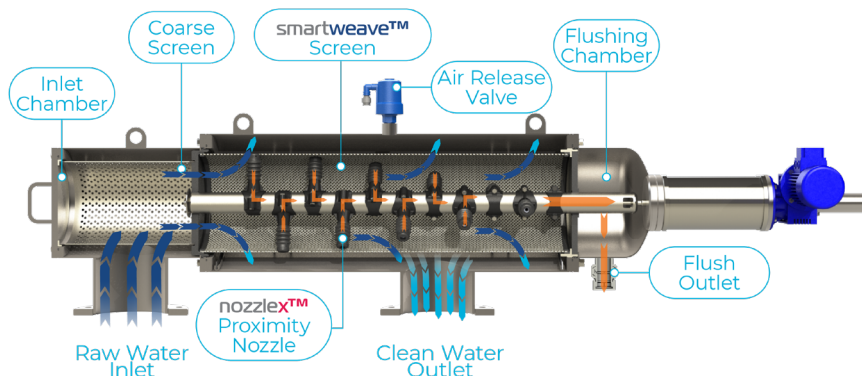
self-cleaning cycle for maximum removal efficiency:

1. Self balancing cleaning nozzle
2. High Efficiency clean
3. Zero screen wear + reduced nozzle wear
4. Low pressure operation

An unparalleled automatic filtration cycle.

Cleans While In Operation:

1. The cleaning is initiated by either differential pressure (DP) build-up across the **smartweave™** fine screen when it's dirty, by a timer, or by manual flush which is controlled by an external PLC controller.
2. The cleaning cycle starts by opening the flush valve, allowing water from the clean side of the screen to reverse back through the screen surface at high velocity, dislodging entrapped particles off the screen to the **nozzlex™** cleaning nozzles and expelled from the filter.
3. The cleaning mechanism is rotated by a drive motor and moved laterally with the cleaning nozzles to completely clean the screen. The filter remains online during the cleaning process allowing for a continuous flow of clean filtered water downstream without any interruption.



All settings determined by controller. Cleaning cycle initiation possible via preselected DP level, specific time, or combination of both. Length of flush is customizable.

Trident E

Technical Specifications:



Model	Trident 4800E #TRE0048	Trident 7200E #TRE0072	Trident 9600E #TRE0096	Trident 12000E #TRE0120
Inlet \ Outlet*	4"-6" Flange	6"-8" Flange	8"-10" Flange	10"-12" Flange
Screen Area	4,800 cm ²	7,200 cm ²	9,600 cm ²	12,000 cm ²
Effective Screen Area	4,560 cm ²	6,840 cm ²	9,120 cm	11,400 cm
Max Capacity**	180 m ³ /hr.	280 m ³ /hr.	400 m ³ /hr.	600 m ³ /hr.

* Available in DIN PN10/16, British standard BSTD/E, ANSI B16.5 150PSI. 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