



TRIDENT H SERIES

AUTOMATIC HYDRAULIC SELF-CLEANING SCREEN FILTER



- ✓ Full 316 Stainless Steel Construction
- ✓ 4-Layer Sintered Screen with Class Leading Effective Screen Area
- ✓ Highly Effective Cleaning with Over 99% Recovery Rate and Full Screen Recovery

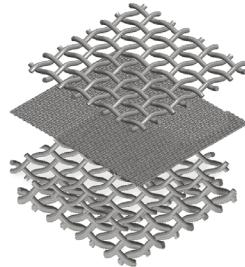
- ✓ Horizontal and Vertical Models Available
- ✓ Easy Access to Internal Parts
- ✓ The Filters are Plug & Play
- ✓ Failsafe NC Flush Valve
- ✓ Bluetooth DC Powered Controller

Up to 600 m³/h Max. Flow Rate	80-500 µm Filtration Degree	10 bar Max. Operating Pressure	Less than 1% Backwash Water Consumption
2 bar (30 psi) Min. Operating Pressure	Up to 12,000 cm² Filter Area	AD 2000 Design Code	Max. Temp 65°C

ENGINEERED FILTRATION.

Filtersafe

OUR TECHNOLOGY



smartweave™ high performance filtration screens

- 4 layer sintered structure
- Enhanced strength and durability
- High Effective area
- Available in 80-500µm
- 316 Stainless Steel



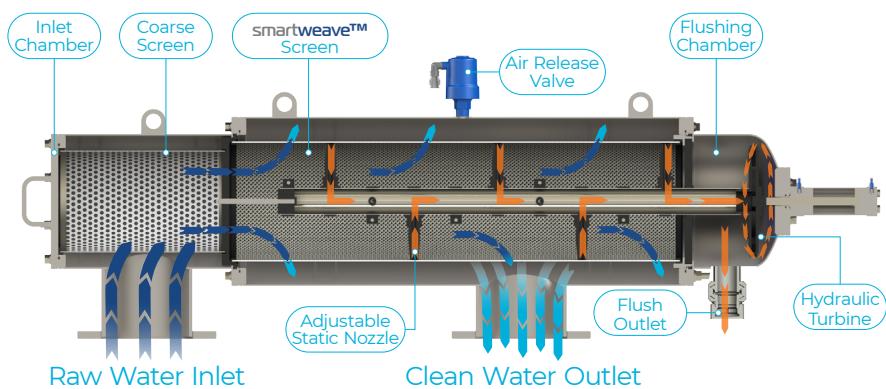
Our Hydraulic powered Cleaning Drive

- Reliable Turbine Drive System
- Helical Scanner
- Low Water Use
- Low Pressure Operation 2 Bar
- Large Nozzle Size
- Low Maintenance
- Filtration Process Continues During Flush Cycle

Cleans While In Operation:

1. The smartweave™ screen traps unwanted particles. The differential pressure (DP) between inlet and outlet triggers the flush cycle via a solenoid*.
2. The flush enables water from the clean side of the screen to flow back through the screen into the scanner nozzle, removing captured particles on the screen surface.
3. At the same time the hydraulic turbine rotates the scanner, and the piston moves the scanner in a linear motion ensuring full coverage of the screen.
4. All debris leave the filter through the scanner and flush valve. The flushing cycle ends and the filter returns to its original state.

* 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 H

Technical Specifications:



Model	Trident 4800H #TRH0048	Trident 7200H #TRH0072	Trident 9600H #TRH0096	Trident 12000H #TRH0120
Inlet \ Outlet	4"-6" Flange	6"-8" Flange	8"-10" Flange	10"-12" Flange
Screen Area	4800 cm ²	7200 cm ²	9600 cm ²	12,000 cm ²
Effective Screen Area	4,560 cm ²	6,840 cm ²	9,120 cm ²	11,400 cm ²
Max Capacity	180 m ³ /hr.*	280 m ³ /hr.*	400 m ³ /hr.*	600 m ³ /hr.*
Flushing			2" BSPT	
Min. Flush Flowrate**	25 m ³ /hr.	35 m ³ /hr.	50 m ³ /hr.	60 m ³ /hr.
Flush Duration			16 sec.	
Min. Flush Volume	110 L	160 L	220 L	270 L

Note: The TRH0048 is available in a vertical filter orientation, on request.

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

** At 2 bar

Contact Us for More Info:

sales@filtersafe.net | www.filtersafe.net