



LEVIATHAN SERIES

AUTOMATIC BRUSH FILTERS



- ✓ Multi-purpose Filtration Solution. Optimized for Industrial, Municipal and Agricultural Applications
- ✓ Huge Filtration Area in Small Footprint
- ✓ Minimal Line Pressure Needed for Operation
- ✓ Continual Operation - No Down Time When Flushing
- ✓ Robust Design With a Single Moving Part Means Minimal Maintenance
- ✓ Highly Effective Cleaning With Over 99.2% Recovery Rate and Full Screen Recovery
- ✓ P.V. Design According to: AD2000 Merkblatt
- ✓ Rubber Lining on Request!

Up to 8,000 m³/h Max. Flow Rate	200-6,000 µm Filtration Degree	100% Screen Cleaning	Less than 1% Backwash Water Consumption
1 bar (14.7 psi) Min. Operating Pressure	Up to 80,000 cm² Filter Area	AD 2000 PV Design Code	Max. Temp 60°C

ENGINEERED FILTRATION.

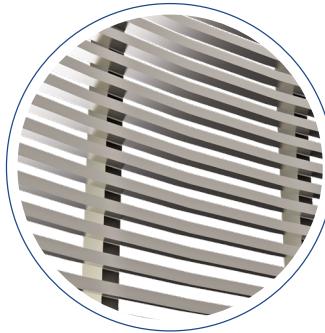
Filtersafe

OUR TECHNOLOGY

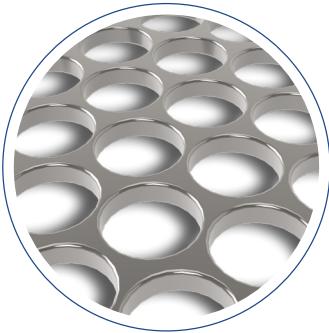
The Filtersafe Leviathan Automatic Brush filters are reliable filters that work hard for you, designed for near zero maintenance. The filters are available with either wedge-wire or perforated screens. Both options use a heavy-duty, highly-durable brush for cleaning high loads of suspended solids with continuous operation.



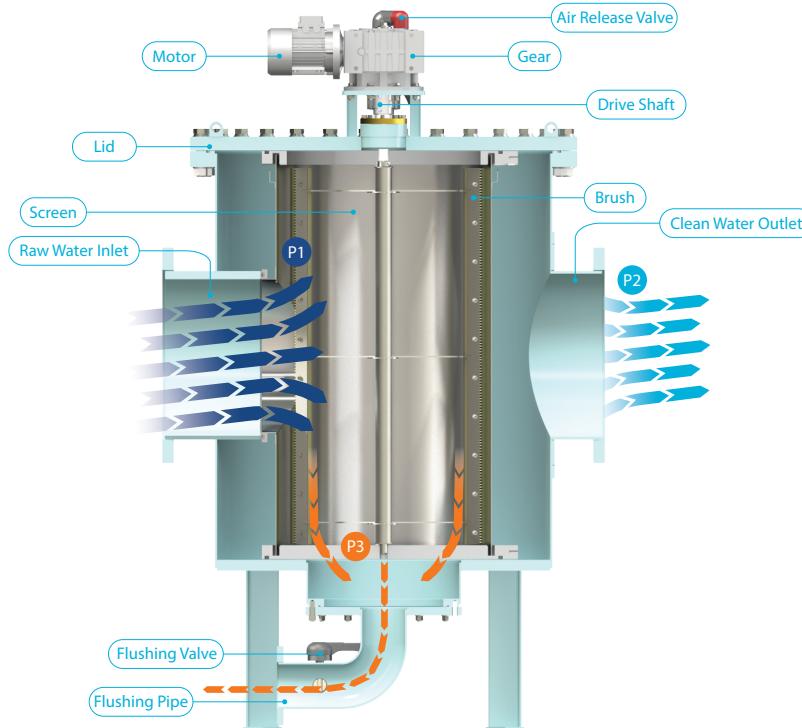
Brush Filter Cleaning



Wedgewire Screen



Perforated Screen



Cleans while in operation:

1. The wedge-wire or perforated screen traps solids and dirt.
2. As sediments and particles are trapped, pressure differential between the inlet and the outlet triggers the cleaning process.
3. The brushes rotate and removes all captured particles on the screen surface towards the open flushing valve.
4. The filter returns to its original state.

P1 Inlet pressure

P2 Outlet pressure

P3 Discharge pressure

$P1 - P2 =$ ΔP across the screen

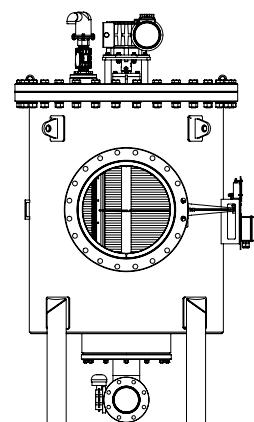
$P1 - P3 =$ Pressure difference at the discharge point shall be at least 1 (bar)

Custom Features:

- Skid Mounting - for plug & play and mobility.
- Rubber Line - for seawater and chemical applications
- Horizontal Orientation - for customized installations
- ATEX & IECEx hazardous area compliance upon request

International and National Design Codes Compatibility

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



Vertical Configuration

Contact Us for More Info:

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