



StabiPURE

Filtration system for caustic solutions in bottle washing machines

- ▲ Single step depth filtration system
- ▲ In-line installation at bottle washing machines
- ▲ Filters fibres from the caustic solution in bottle washing machines
- ▲ Improves end quality and reduces manual cleaning
- ▲ Automatic self-cleaning system
- ▲ Flow control
- ▲ High flow rate, up to 15m³/h
- ▲ Suitable for water temperatures up to 80°C
- ▲ Robust construction (stainless steel, EPDM)
- ▲ Flexible mesh filter types (25µm - 200µm)
- ▲ Choice of backflush with fresh water or washwater



The **StabiPURE** filters fibres and other particles directly in-line in the bottle washing machine. Instead of building up over time the fibres are filtered out continuously. The unit is on a turn-key skid and is easily connectable to most bottle washing machines.

FUNCTION

StabiPURE serves for a very efficient and effective depth filtration of the corrosive solution in bottle washing machines with a flow rate of up to 15 m³/hour. The type of fine-mesh filter can be flexibly selected. Automatic self-cleaning of the filter modules within the closed circulation process takes only a few seconds. A stop for manual cleaning is not required. This saves time and ensures a high degree of occupational safety. The filtered fibers and dirt are automatically carried away in a suitable collection container or optionally to the StabiPURE COLLECT in which contaminants larger than micron-rating remain in the filter bag. This prevents clogging of drains and protects the wastewater. The durable and cost effective mesh filter modules are easy to replace.

BENEFITS

For the bottle washer machine:

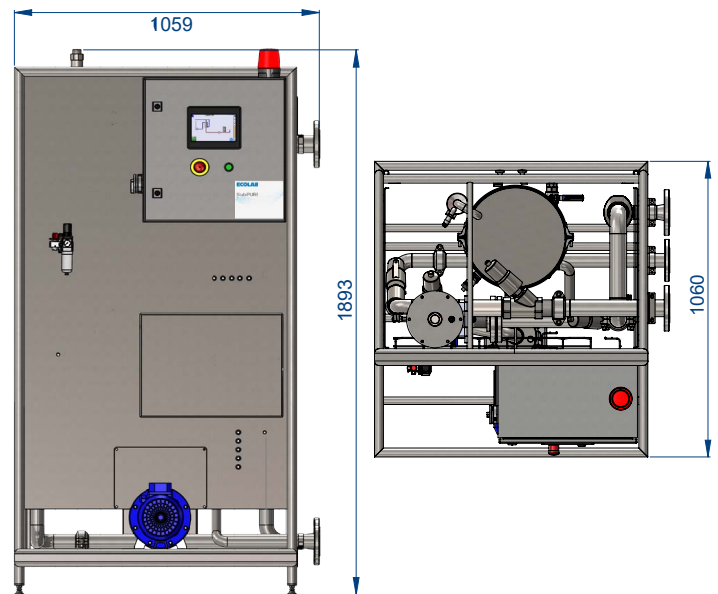
- ▲ Excellent removal of paper fibres and other debris from the caustic section
- ▲ Lower maintenance in the cleaning of bottle washer spray nozzles
- ▲ Better cleaning results

StabiPURE:

- ▲ Small footprint: 1.12 m²
- ▲ Low energy consumption
- ▲ Fully automatic process cycles
- ▲ Operational efficiency
- ▲ Low cost of ownership
- ▲ High reliability due to high quality components
- ▲ Low maintenance
- ▲ Easy change of filter mesh

Technical data:

Connections (flange DIN/PN10)	
Process water inlet on circulation pump:	50 DN
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Process water inlet on skid:	50 DN
Filtrate outlet on skid:	50 DN
Back flush water outlet on skid:	40 DN
Fresh water flush on skid:	25 DN
Electrical	
Voltage:	3 x 400V 0 + E
Frequency:	50 Hz
Power (max. simultaneous):	2.3 kW
Current (max. simultaneous):	5.5 A
Compressed air	
Compressed air connection:	1/4" BSP
Minimum pressure:	6 bar
Maximum pressure:	8 bar
Compressed air consumption approx.:	500 NI/m ³
Pressure dew point:	< 5 °C
Residual oil content:	< 3 mg/m ³
Wash water pump	
Maximum temperature washing water:	80 °C
Maximum volume wash water flow:	15 m ³ /h
Maximum pressure loss in conduits:	0.3 bar
Weight	
Transport:	315 kg
Operation:	380 kg
EBS order number:	10050553



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