



STATIC SCREENS



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STATIC SCREENS

General Description and Intended Use

Static screens are used to remove the solids (textile fiber, paper fiber, plastic parts etc.) in the wastewater. Thus, the blockage and breakdowns in the pump, valves and pipes are minimized. The treatment is performed with low costs by removing the solids. It also reduces the pollution load in the biological treatment and provides energy saving.

They are used to filter process waters in industrial plants (textile, food, slaughter house, plastic recycling, wood industry etc.), recovery waters and tank waters.

There are two types according to application point as manual and automatic cleaning type.

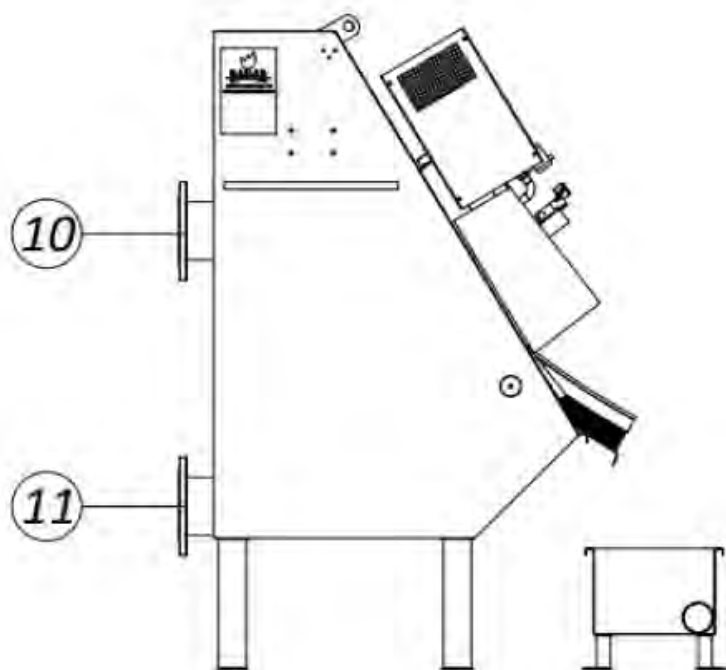
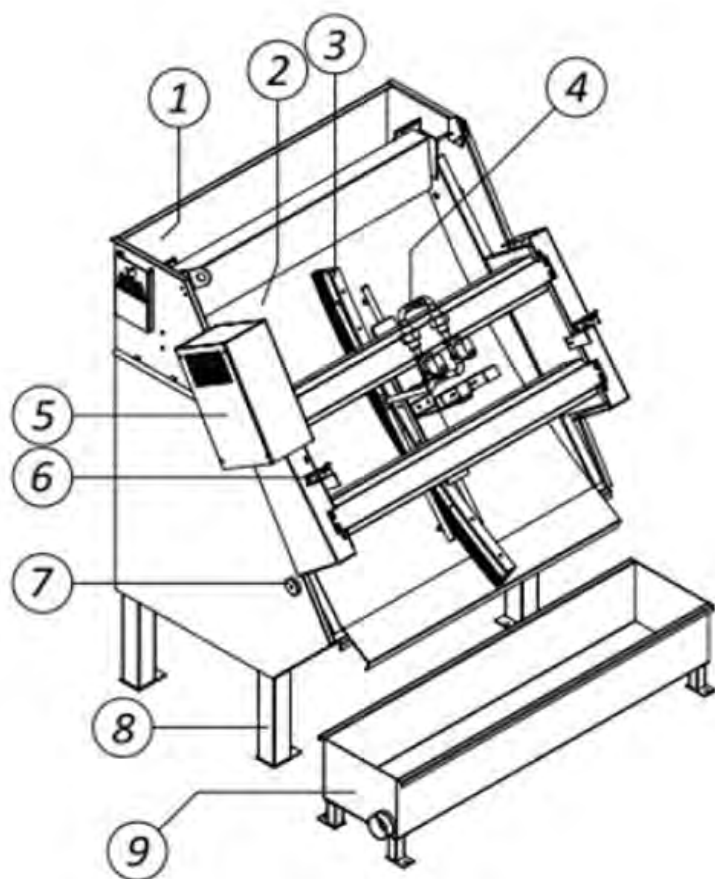
Working Principle Of Equipment

The static screens are based on removal of the solid materials from the wastewater with their own gravitation. The wastewater enters into the water distribution container at the entrance of the equipment. The wastewater accumulated in the container overflows and is filtered in V-section screen meshes and poured into the screen outlet container. The solid materials on the screen meshes are cleaned manually or automatically.

Technical Specifications

- The capacity of the screen is selected according to the flow rate and solid content of the wastewater.
- It is manufactured with a water distribution container in order for wastewater to be distributed homogeneously in the equipment.
- The permeability of the screen surface can be selected as 150-1000 microns in different sector applications.
- It is designed as automatic cleaning according to the customer's request.
- The angle of the screen meshes are designed as adjustable.
- There are necessary OHS protection sheets in automatic cleaning models in order to prevent interfering in the movable parts in the wash system drive group manually.





No	Part Name
1	Water Distribution Container
2	V-Section Screen Meshes
3	Cleaning Brush
4	Wash System
5	Motor / Reducer
6	Torque Safety System
7	Screen Meshes Angle Adjustment Arms
8	Assembling Lugs
9	Waste Container
10	Wastewater Inlet Pipe
11	Filtered Water Outlet Pipe

Material Details

- Frame: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Screen Mesh: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).

"Different materials can be preferred in accordance with the request of the customer."

Accessories

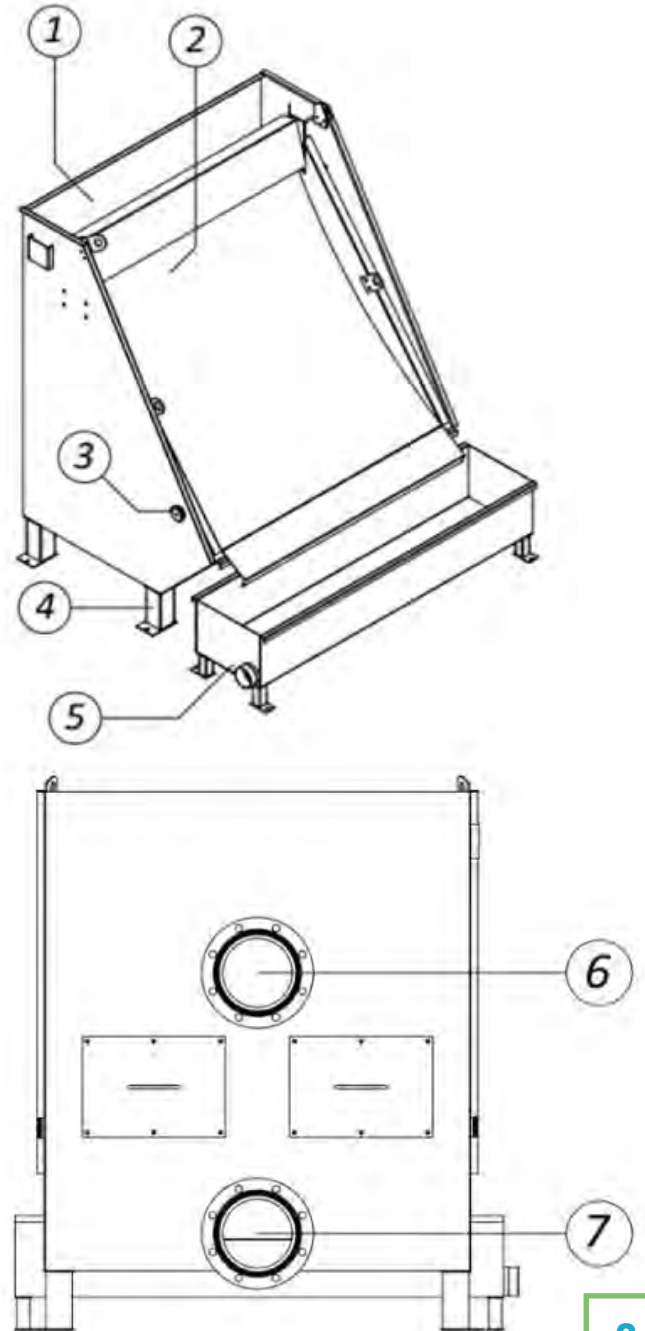
- Screen Meshes Angle Adjustment Arms
- Waste Collection Pan*
- Waste Container*
- Automatic Surface Cleaning System*
- Local Power and Control Panel*
- Emergency Button*

*Opsiyonel aksesuarları
tanımlamaktadır.

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ADVANTAGES

- Operation Even Though Power Cuts,
- Filtering in Micron Size,
- Low First Investment Cost,
- Compact Design,
- Low Operation and Maintenance Costs,
- Low Energy Consumption,
- Lower Workmanship Requirement thanks to Automatic Cleaning,
- Easy Transportation and Mounting,
- Long Operation Life,
- Economical and Resistant Design.





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