

A3-USA Coarse & Fine Screens



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**Water and
Wastewater
Membranes**

A3-USA Coarse & Fine Screens

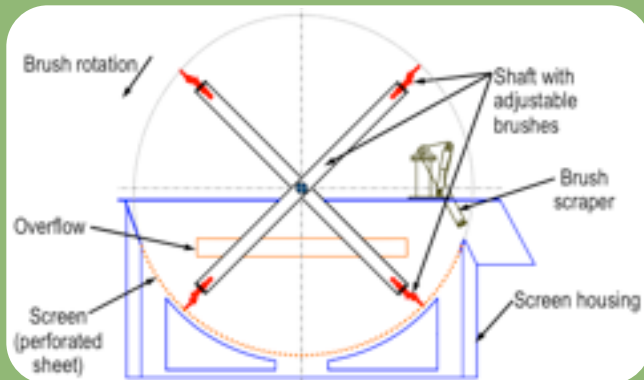
CONTEC™ screens are one of the most efficient, durable, and cost effective screens on the market. Contec™ screens have been installed for over 30 years in hundreds of installations for both municipal and industrial wastewater treatment applications worldwide including over 150 installations for MBR plants.

All screen models are fully enclosed with perforated plates between 0.6 - 15 mm and can be ordered in either 304 or 316 stainless steel.

Operation

Wastewater enters the screen at a flanged inlet and flows into a horizontal semicircular perforated screen panel. The perforation size is chosen according to the individual separation requirements. The screen panel retains the solids, and the screened water flows by gravity into an outlet or open channel, or into a collection sump with an outlet flange.

A set of slowly rotating brushes attached to a central shaft transports the solids from the top of the perforated plate to an ejection slot. A mechanical scraper cleans the brushes without an additional drive. A screw conveyor and screening press can be added to the ejection slot. Another alternative is to add a simple chute, which feeds the solids into a container.



Options

- Flanged collection sump
- Overflow detection
- Exterior lubrication system
- Heating system
- Cleaning spray nozzles
- Screw conveyor
- Screw press
- Bagging system

Benefits

- Simple operation => less operator attention
- Rugged stainless steel construction
- Small footprint
- Very low energy consumption
- Fully enclosed => no odor
- Many available accessories for process optimization
- Very cost effective
- Service life of up to 40,000 operating hours

