



A3-USA Disc Filter

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Wastewater Equipment

A3 Disc Filter

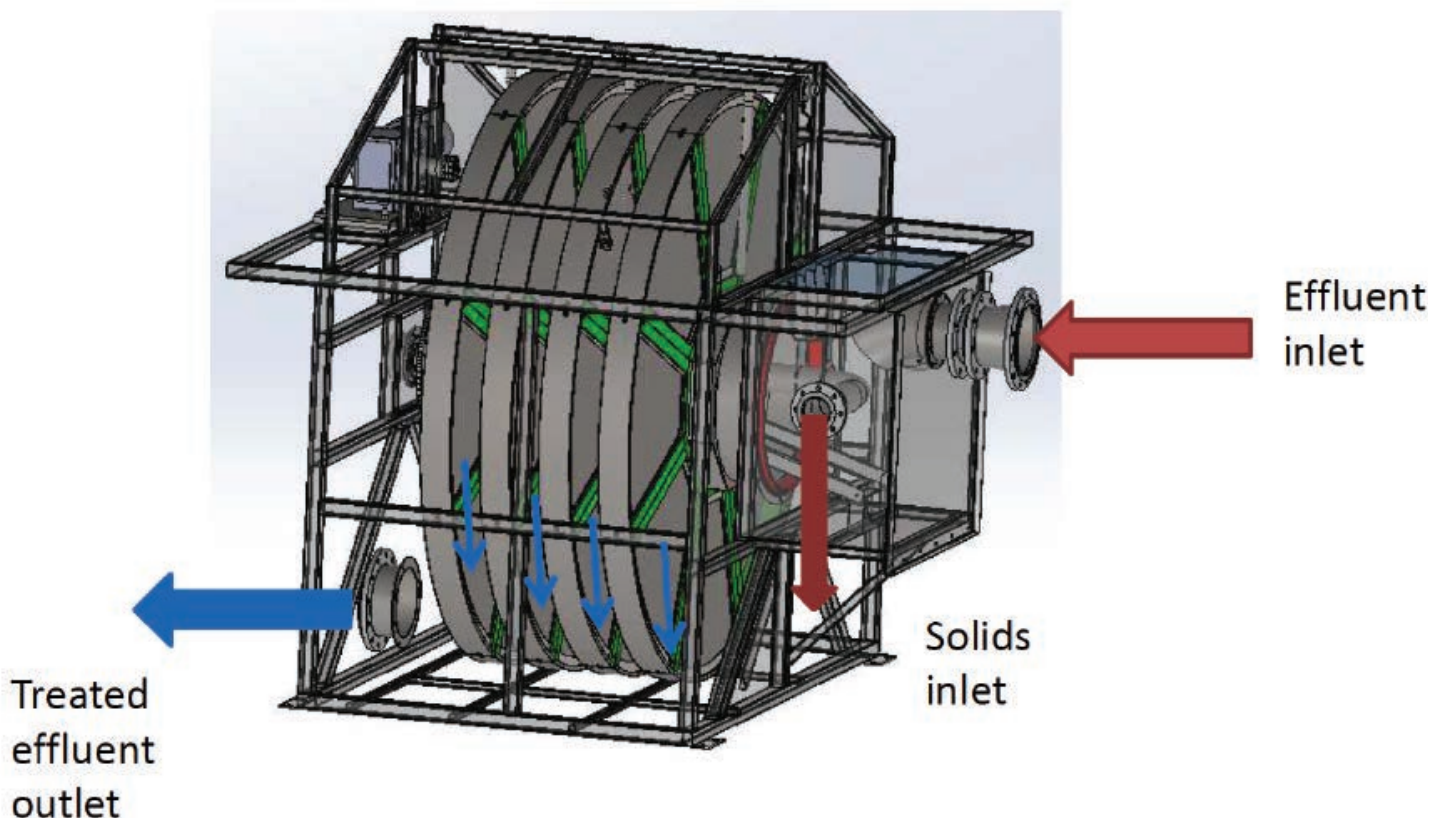
Stainless Steel Mesh Disc Filter

The A3 stainless steel mesh disc filter is one of the most technologically advanced, efficient, cost effective, low maintenance disc filters on the market today.

Influent is fed by gravity into the center drum pocket and then passes through the filter discs. Every disc is composed of eight stainless steel elements, each is attached to a central octagonal pipe. The mesh size of the disc elements range from 10 to 100 microns.

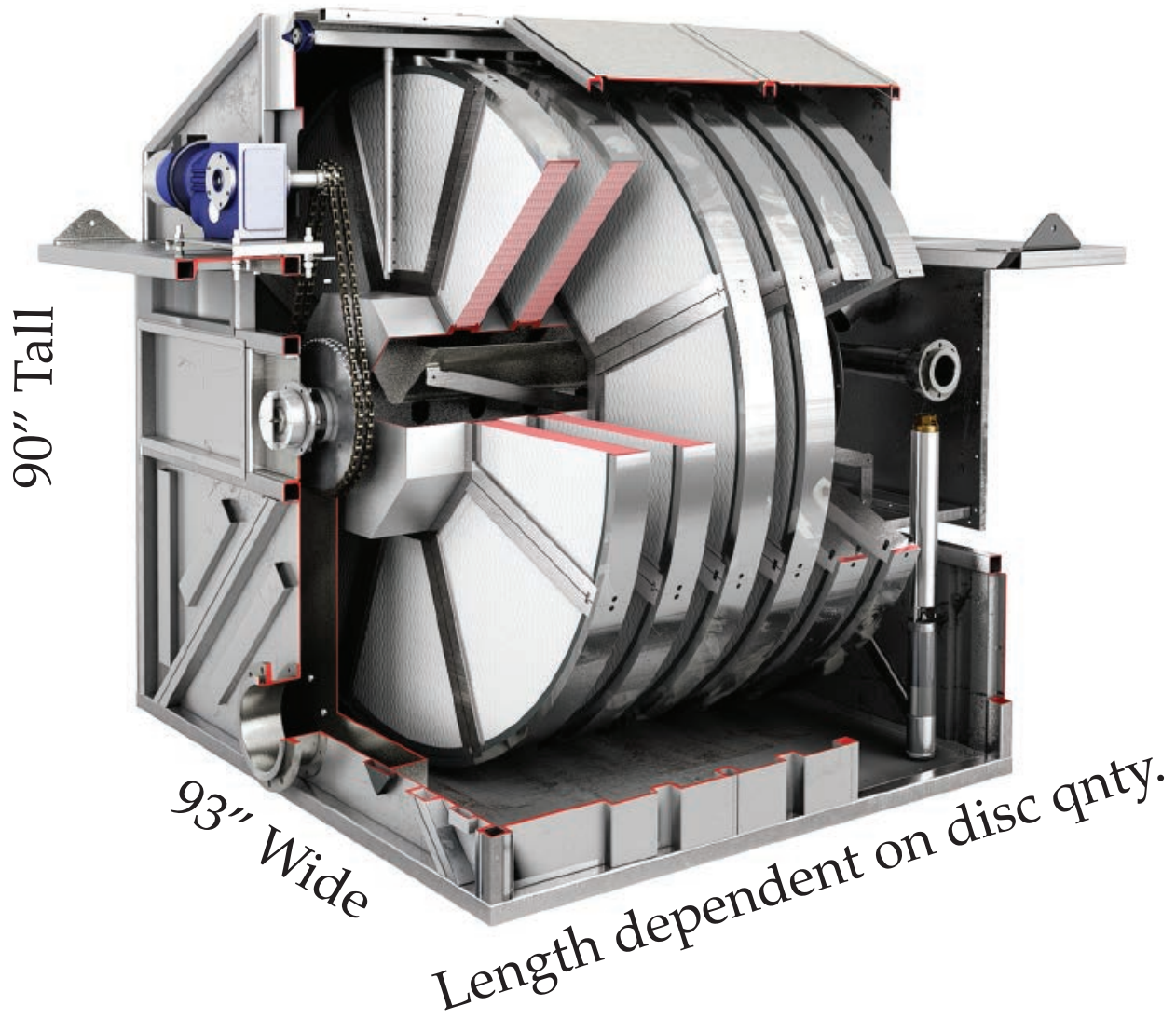
The solids captured are retained by the stainless steel mesh within the discs. The filtered effluent passes into the tank. As the solids are collected within the discs, the tank level rises to the point where a backwash cycle is activated.

The increased water level is detected by a sensor which also activates the gear motor that rotates the discs. High pressure nozzles impinge on the rotating frame, which, together with the rotation, causes the solids to fall into the discharge hopper and then through the outlet.

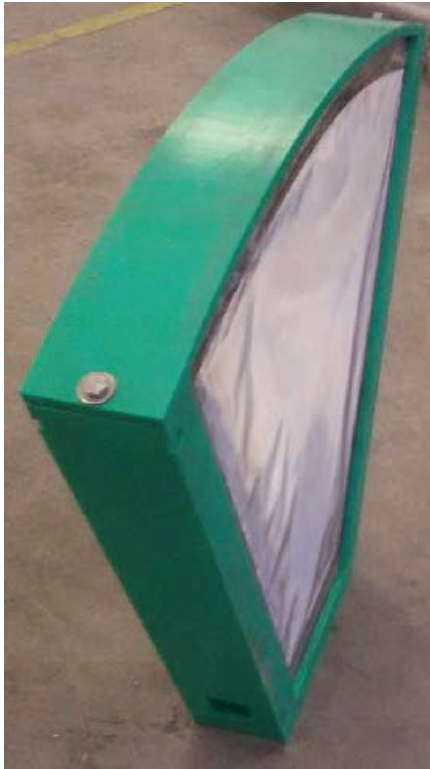


A3 Disc Filter - Benefits

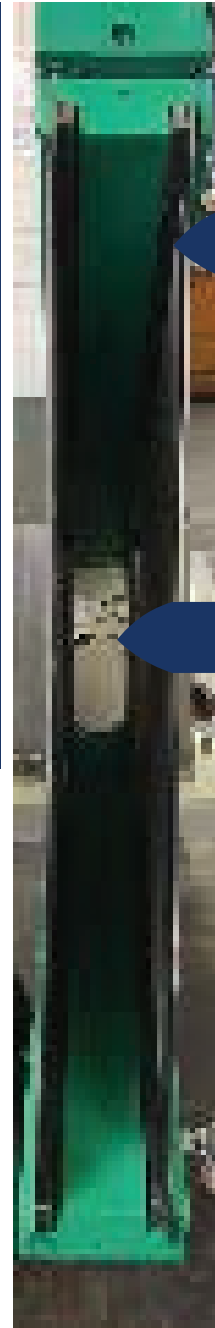
- High hydraulic throughput capacity with a small footprint
- Stainless steel construction including stainless steel mesh (304 or 316 available)
- Significant reduction of filterable solids with a maximum TSS of over 400 mg/l
- Reliable removal of powdered active carbon for the elimination of micro pollutants
- For installation within a stainless steel tank or in customer's concrete tank
- Form-locked and chemical-resistant thermal fixation of the mesh
- No external wash water supply required as filtrate is used for cleaning
- Continuous operation even during backwashing
- Easy exchange of individual filter elements without the need for lifting devices
- Easy "plug & play" installation



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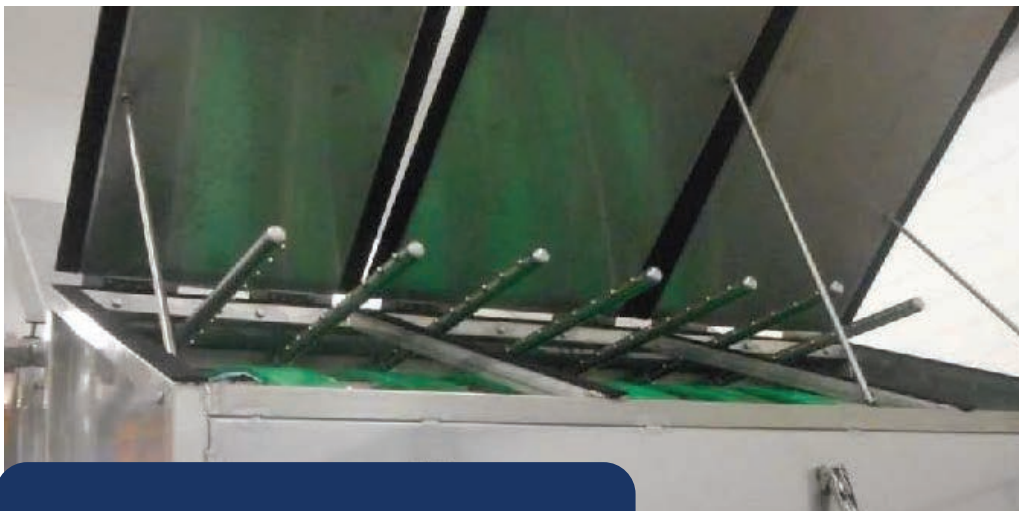


Stainless steel mesh is much stronger than the traditional polyester used by other manufacturers. This allows for more frequent cleaning which in turn provides greater overall efficiency of the machine.



s/s disc

Disc inlet



Spray nozzles for disc cleaning use treated water from the filter.



*Please contact us at
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*Find more information online at:
www.a3-usa.com*