

DynaDisc™

Microscreen Filter

Microscreen Filtration with unrivalled **Reliability and Durability.**

Applications

- Tertiary treatment of wastewater.
- Pulp and paper industry.
- Purification of process water.
- Recirculation of cooling water in the steel industry.

Advantages

- Can be supplied as freestanding or in situ.
- Durable filter fabrics ensure long life.
- High strength seal prevents contamination of filtrate.
- Adjustable overflow weir accommodates variable/site specific treatment flows.
- Optional feature separates pre-filtrate from final filtrate for enhanced performance.

The DynaDisc™ is a microscreen consisting of multiple filter discs. The reliability of the DynaDisc™ seals and durability of the filter fabrics allows the system to be used in a wide range of applications.



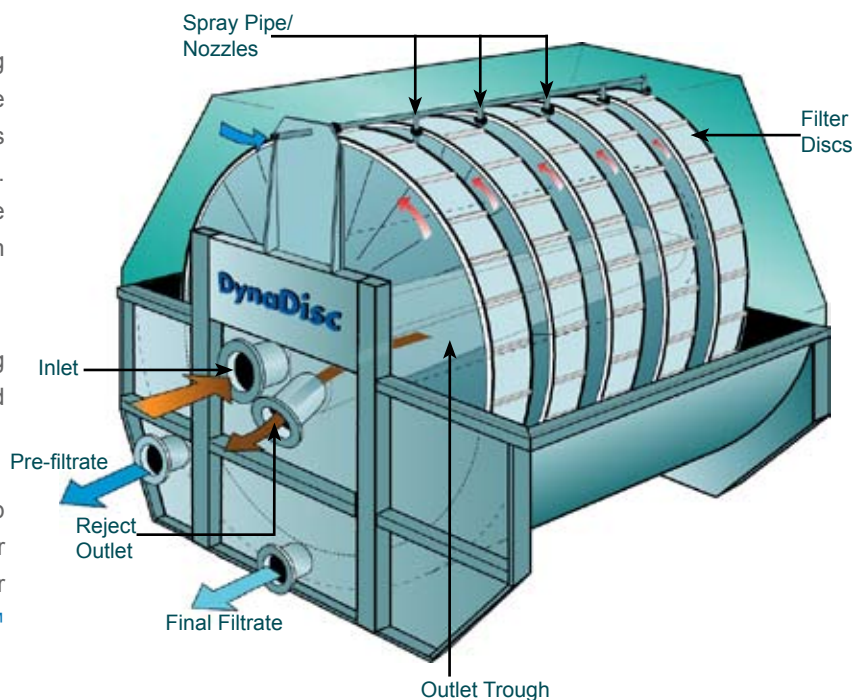
How it Works

The DynaDisc™ consists of one or several rotating filter discs mounted on a central shaft. The liquid enters the filter through the inlet and flows into the filter discs through openings in the shaft. Hydrostatic pressure ensures that the level of the incoming liquid inside the filter rotor is higher than the level of the filtrate outside the rotor.

If required, discharged filtrate can be divided, using a patented device, into two phases: Pre-filtrate and Final Filtrate.

During the filtration process, a filter cake is built up on the inside of the filter element. It is the filter cake and not the filter fabric that serves as the filter medium for the high efficiency. **The DynaDisc™ can achieve filtration efficiencies of up to 98%.**

Spray pipes and nozzles are provided to remove the filter cake, which drops down into the coarse reject outlet trough and is discharged from the filter through the reject outlet. Operation of the filter disc drive and spraying process can be either continuous or controlled by an automatic level control system.



turning water around ...®

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