

SuperFlow disc filter sectors

for all disc filter models



The challenge: Finding a rugged and reliable disc filter sector with high drainage

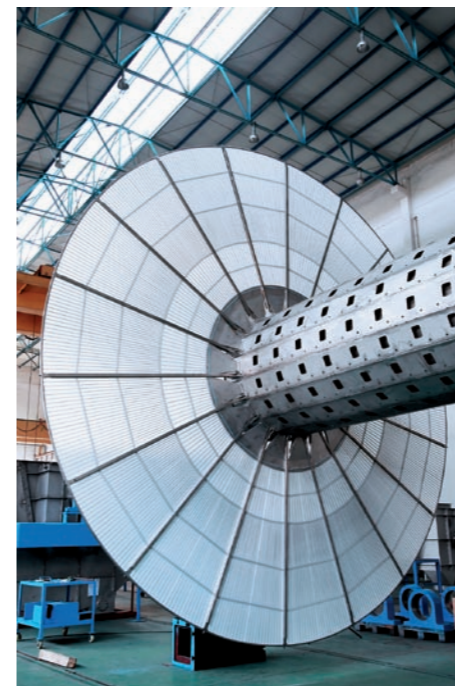
The performance of disc filters depends on their ability to dewater pulp sufficiently and transport the filtrate out of the filtering equipment. The design of the sectors inside the disc filter are key to this performance. Sectors that enable high drainage produce fiber mats with high dryness – and increase the production capacity of the filter.

The open area of the sector design, the enhancement of filtrate flow, and rigid construction are all influencing factors in contributing to high drainage.

ANDRITZ PULP & PAPER SuperFlow sectors are designed and built to deliver the highest stability and reliability!



The solution: SuperFlow disc filter sectors from ANDRITZ



Benefits

Highest production capacity

- Large open filter deck area
- High dryness in the fiber mat

High filter performance and minimum flow losses

- Low volume sector design

Quick and easy maintenance

- Cassette system
- Advanced sealing solution

High stability and reliability

- Rigid construction, manufactured at highest quality level

No breaks on grid bars

Grid construction

- Largest possible filtration area
- Effective cleaning, no risk of deposits
- Rigid support for the filter cloth
- Rugged durability
- Lightweight design

Low-volume design

The low-volume sectors are designed with minimum air contingent and liquid turbulence. They are more efficient than high-volume sectors in that they support fast drainage and improve the dry content (and capacity) of the fiber mat.

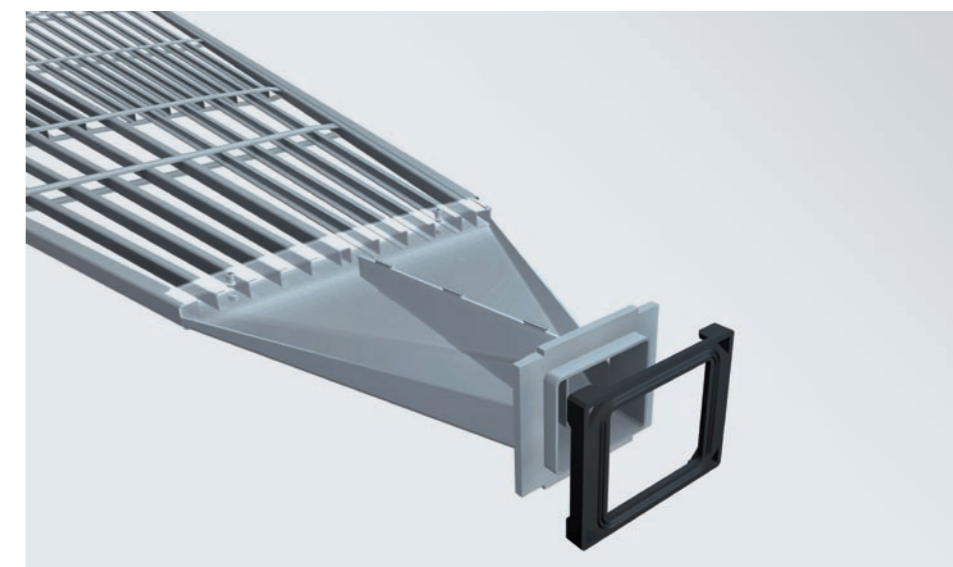
U-profile flow channels

While conventional grid sectors will have no supporting filtrate channels, the ANDRITZ PULP & PAPER SuperFlow sector has U-profiles to ensure excellent flow conditions for the filtrate. The construction of the channels is rugged and reliable – no breaks in the design for optimized filtrate flow.

Advanced sealing

While sealing in conventional sectors used glue, ANDRITZ's solution is a "put over" sealing design. This offers higher sealing efficiency and is easy to handle. There is no risk of losing the sealing during maintenance work.

ANDRITZ PULP & PAPER SuperFlow sectors can be installed in the following disc filter brands: [Beloit Polydisc](#), [Hedemora](#), [Impco](#), [GL&V](#), [Voith](#), [Kvaerner](#), [Ahlström](#), and [ANDRITZ](#).



Engineered service products for disc filters

ANDRITZ PULP & PAPER is a full-line supplier to the pulp and paper industry. We apply this full range expertise to every project – whether if we are assisting you with a simple retrofit or providing complete machine upgrades. This ensures that everything will work together as promised and in the most efficient way. If the disc filter is the bottleneck in your production line, ANDRITZ can help with a huge variety of upgrade products.

“Air lock” upgrade

for disc filters equipped with trunk nozzle filtrate valves sets the complete filtrate zone under vacuum. This provides higher production capacities and better filtrate qualities.

“High-flow” center shaft

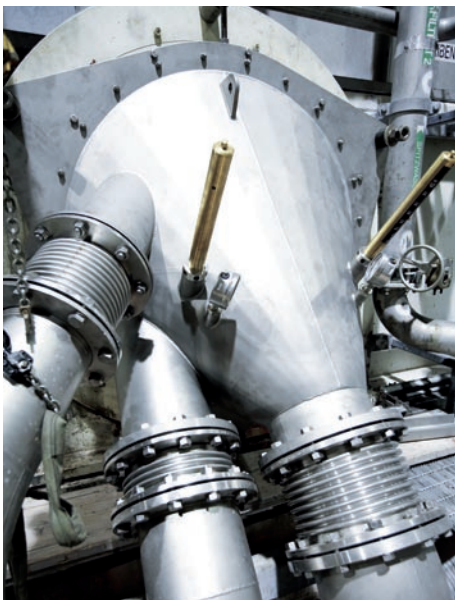
is designed with numerous “low-volume” filtrate channels, which are fluidically optimized. The improvement achieved is a constant vacuum level and better performance by the entire disc filter.

Improved center shaft sealing

is a felt seal design consisting of several spring steel plates. The sealing can be installed and adjusted easily and provides greater operational reliability.

Improvement studies

identify areas for process and product improvements by determining options to increase the capacity and/or filtrate quality.



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