

# Pioneering Dewatering with HiCon 2.0 and BaglessPlus InfiltraDiscfilter



Welcome  
to the Next  
150 Years



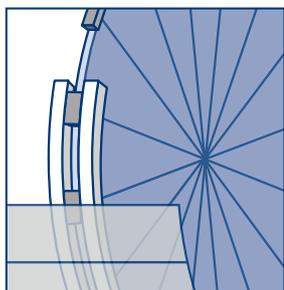


Continuous filtrate quality over a long period as well as low operation and maintenance costs are essential for a reliable and efficient dewatering process. However, fiber suspension thickening inside the vat can lead to mechanical stresses and damage to the discs. As a result, typical filters operate with limited inlet consistencies. This requires significant pumping of dilution water and the use of filters sized for a high volumetric load.

With the HiCon 2.0 technology, Voith revolutionizes the disc filter capabilities for the highest operational reliability and greater filter capacity. At the same time, the use of dilution water and pumping energy can be reduced significantly.

Above that, the solid and proven BaglessPlus filter discs allow for highest filtrate quality while eliminating the maintenance costs of bags and sectors.

### Pushing the consistency limit with the HiCon 2.0 concept

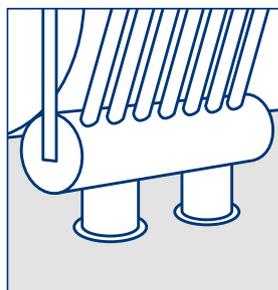


#### Discs guided by sturdy tracks

Rails and disc guiding shoes keep the filter discs on track and safeguard operation. This system effectively prevents touching of the discs and the discharge chutes in the disc filter.

### Dewatering on a new level with InfiltraDiscfilter HiCon 2.0

- + Inlet consistencies up to 2% possible
- + More than 20% increase in disc filter capacity
- + 40% less energy consumption for pumping
- + Significant improvement in filter robustness
- + Safe and reliable operation
- + Durably stable and outstanding filtrate values
- + High cost savings due to low maintenance
- + Easy and compact installation



#### New feed distributor

The inlet is evenly distributed to each filter disc individually. Reversing the hydraulic flow conditions in the tank, vat thickening is significantly reduced. As a result, operation with up to 2% inlet consistency becomes possible.



- 1 Patented technology in InfiltraDiscfilter HiCon 2.0
- 2 Guided BaglessPlus filter discs for smooth operation

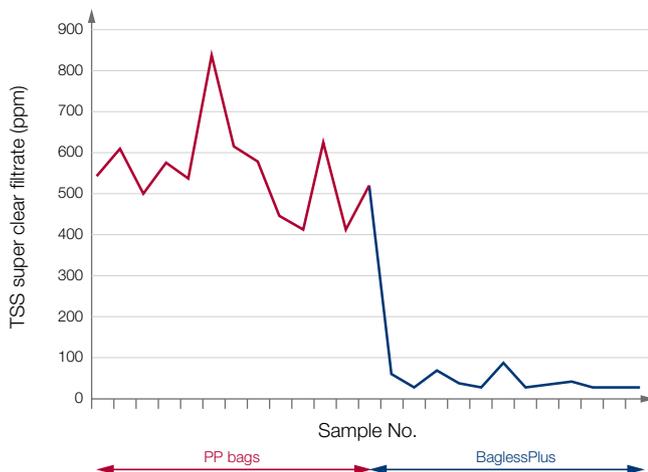
“It more than meets our expectations.”

Maggie Odayar, Technical Manager, mpact, South Africa

#### High filtrate quality and low maintenance with BaglessPlus

The solid and proven BaglessPlus discs are made of corrugated stainless steel and operate without bags. Thus, high maintenance costs due to the expensive and labor-intensive replacement are completely omitted. Compared to conventional filters with PP bags, the filtrate quality can be drastically improved with BaglessPlus and is consistently high over a long period of time. BaglessPlus thus offers reliable operation with a service life of more than ten years and a capacity increase of up to 20%.

#### Superior filtrate quality with BaglessPlus



#### Areas of application and disc filter options

InfiltraDiscfilter ensures efficient dewatering for all kinds of pulps. Its excellent filtering ability makes the machine suitable for save-all applications in the approach flow to recover valuable fibers and process water. Furthermore, InfiltraDiscfilter can be used for all types of fiber suspensions.

It is available in two sizes – IDF370 and IDF570 – in a standard version or as InfiltraDiscfilter HiCon 2.0 with the latest technology.

#### Upgrade options

For maximum improvements in present installations, existing disc filters can be upgraded with the innovative HiCon guiding system as well as the proven BaglessPlus filter discs.

#### BlueLine - sustainable solutions for the future

InfiltraDiscfilter is part of the BlueLine product family with its characteristic low maintenance, water and fiber efficiency, and higher runability. With BlueLine, customers profit from proven Voith quality and reliability and at the same time lower cost for energy, fiber, water and maintenance. The product line is comprised of environmentally friendly products from various sections of the stock preparation.



Visit our product page online to get in contact with the Global Product Manager and to receive more information.

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