



Energy-efficient LC pulping of recovered paper IntensaPulper IP-R

Highly efficient pulping process

Pulpers have a major impact on the downstream stock preparation processes. The purpose of the pulping process is to pulp the suspension to the best possible degree while removing a large amount of contaminants. At the same time, low energy consumption and low wear are necessary for an efficient pulping process. In addition, a stable ragger formation helps ensure a smooth production process.

With IntensaPulper IP-R we have developed a pulper, which offers highly energy-efficient pulping of recovered paper at greater pulping consistency and higher pulping quality.

Up to 25 % energy savings through optimized flow patterns

The flow-optimized vat design, combined with the eccentrically arranged rotor and baffle, produces a zone intensive turbulence*. This results in improved mixing of the stock and faster bale submergence.

At the same time, the lower-level turbulence in the rest of the vat allows the recovered paper to swell and promotes energy-efficient defibering*. The double-coned bottom creates a flow-optimized transition of the stock from the bottom of the pulper to the cylindrical vat wall.

Reliable ragger operation and low maintenance costs

The specially developed rotor shape achieves extremely reliable ragger operation. It ensures that the number of ragger breaks can be reduced to once a month. A reliable sealing mechanism and stable drive design reduce maintenance intervals to a minimum.

Improved removal of coarse rejects

The double-coned bottom combined with the baffle directs the coarse contaminants towards the reject discharge. In IntensaPulper IP-R this allows reliable removal of the coarse heavy contaminants in the Junkomat or Junk Tower and transfer of the coarse light contaminants to Voith's IntensaMaXX pulper detrashing machine.

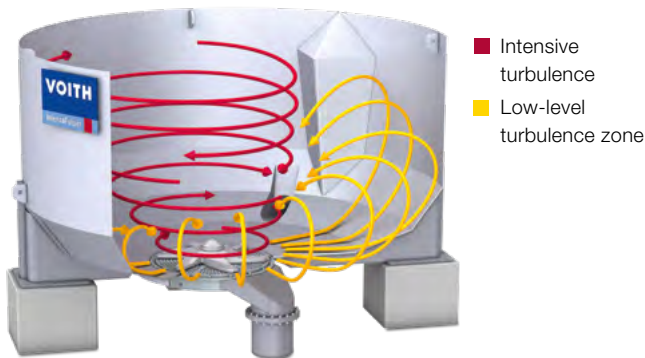
BlueLine – sustainable solutions for the future

Thanks to its high energy savings IntensaPulper IP-R is part of our new BlueLine product range. With BlueLine, customers profit from proven Voith quality and reliability and at the same time low energy, fiber, water and maintenance costs.

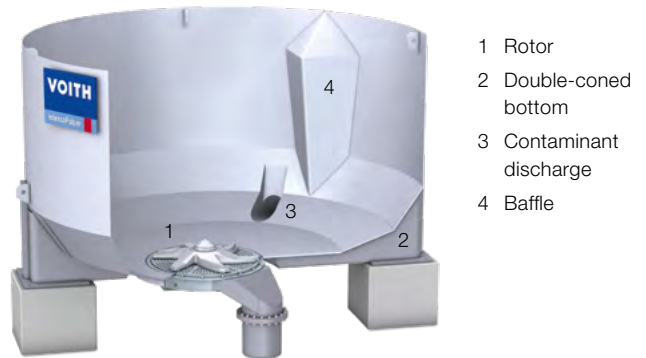
Your benefits IntensaPulper IP-R

- + 25 % less energy consumption at the same pulping quality
- + High level of pulping efficiency due to improved rotor design
- + Improved flow pattern due to eccentric vat shape and baffle configuration
- + Stable operating conditions
- + Low maintenance
- + Pulping process gentle on fibers

* Optimal flow pattern in the vat



IntensaPulper IP-R cross section



Voith Group
St. Poeltener Str. 43
89522 Heidenheim
Germany

Contact:
Phone +49 7321 37-0
paper@voith.com

www.voith.com/paper



VOITH
Inspiring Technology
for Generations