



Reliable protection for connected machines InduraHiClean and InduraPro

Directly after the pulper, the suspension is still full of abrasive contaminants. To prevent contaminants from causing high wear in the machines that are located downstream in the process, as screens or deflakers, it is the task of the high consistency cleaner to remove those contaminants from the process.

Separation begins in the headpiece

With InduraHiClean, this separation starts in the headpiece. By creating a vortex rotation with a high flow velocity of the suspension streaming into the separating cone, the InduraHiClean breaks up existing flocks and prevents the agglomeration of fibers into new flocks. Without flocks blocking the way, the centrifugal force does not have a counterforce and therefore contaminants can be separated easily and reliably.

Modularized flexibility with InduraHiClean cleaning

The InduraHiClean series provides cleaners for every need. Therefore, standard and wear-resistant cleaner variants for high contaminant loads are available, both delivering reliable operation. The bottom cone, Vortex Breaker and reject trap are interchangeable between most cleaner sizes in order to reduce the number of spare parts needed. Also, in case of a high capacity increase, the number of new parts needed is minimized. The intermittent operation with a reject trap reduces the fiber loss to a bare minimum.

Vortex Breaker – Extending the life time of the valves

The unique Vortex Breaker stops the rotation of the contaminants between the bottom cone of the cleaner and the reject trap. Therefore, no contaminants are rotating on the top valve of the trap during the discharge time when the valve is closed. Thus, the Vortex Breaker increases the life of the valves significantly.

InduraPro – Protection in two stages

For stringent removal efficiency requirements, the InduraHiClean cleaners can be combined in a two-stage protector system called InduraPro. In these systems, two cleaners in the first stage are operated with a continuous reject flow. The reject is sent via an optional sedimentation tank into a second stage where the yield is increased by separating the fibers that come from the first stage of the reject and sending them back in the process. Due to the small diameter of the second stage, the separation efficiency is increased, and even particles like small stones or even sand can be separated.

Benefits of InduraHiClean

- **Reliable contaminant separation due to vortex rotation**
- **Wear-resistant variant available**
- **Long valve life due to Vortex Breaker**
- **Standard and premium reject trap available**
- **2-stage protector systems available**

Additional benefits of InduraPro

- **Minimal space requirement**
- **Highest separation efficiency**
- **Wear reduction due to sedimentation tank**

InduraHiClean design



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