



Product datasheet

KREBS® pulp cleaner cyclones for the pulp and paper industry

Protect downstream equipment

Our cyclones quickly remove the heavy contaminants from your pulp paper so they do not cause you problems downstream. And with our options for high density, medium density and low density stock cleaning operations, we can help you optimise your process no matter what conditions you face.

In today's evolving pulp and paper industry, you are continually trying to do more with less. Thanks to our pulp cleaner cyclones, you can easily and cost effectively protect your downstream equipment and increase your product quality.

Features

- Wide range of available cleaner sizes
- Corrosion-resistant epoxy paint is standard
- Heavy duty, reliable knife gate or ball valves are available for intermittent rejects operation
- Replaceable nihard and ceramic liners for the sections exposed to high wear
- Replaceable wear liners are available in nitrile and other synthetic elastomers
- Vulcanised elastomer liners are available for high pressure units

Systems designed for you and backed by exceptional service

How it works

The paper pulp slurry enters our cleaner tangentially, which causes the pulp to rotate at a high speed. This rotation creates enough centrifugal force that the heavier particles migrate to the wall of the cyclone and then down to the discharge at the bottom. The center of the vortex has a low pressure which allows the water and lighter fibers to discharge from the top of the cleaner.

System options

Whether you need a new pulp cleaning system or are looking for complimentary equipment for existing cleaning and screening equipment, we have customisable options for you

We design pulp cleaner cyclone systems for continuous or intermittent rejects so you can have the system that best serves your needs. All of our systems separate contaminants from pulp streams at consistencies of 0.5–4.5%.

- Continuous rejects cleaner systems have feed, accepts, rejects headers and isolation valves. The customisable system is often designed in multiple stages to reduce the amount of fiber lost with the rejects.
- Intermittent rejects cleaners have grit pots, valves and timers to periodically dump the separated contaminants at preset intervals. This system is excellent for minimising fiber loss.

Service you can count on

From our technical assistance that maximises your system performance to our expert field and sales staff that keep your processes running, we are here for you. For over seven decades our KREBS® cyclones have been the leader in hydrocyclone solutions.

Our engineering support is recognised throughout the industry for exceptional technical competence and responsive customer service.

Our systems efficiently remove debris such as sand, baling wire, packing bands, staples, glass and grit from paper pulp slurries.

They are widely used in softwood and hardwood pulp, and for recycled paper pulp (OCC, ONP, MOW, etc.).

The most common positions for our pulp cleaner systems include

- Upstream from multi-stage fine cleaners to minimise the work for the fine cleaners.
- Final stage of the fine cleaning system for removal of all debris and hard particles to protect processing equipment.
- Final stage of the approach flow system for cleaning with minimal fiber loss.

Key Benefits

- High efficiency in removing heavy impurities
- Minimal fiber loss
- Low capital cost
- No moving parts (except valves)
- No special tools needed for installation or maintenance
- Sectionalised construction for lower maintenance costs
- Liners are easy and quick to replace

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