



Reliable separation of light contaminants and gas

Lightweight cleaner LT3

To reduce contaminants with a low specific weight like wax and Styrofoam in the paper, the LT3 co-current cleaner with high separation efficiency can be installed downstream of the fine screening stage.

Benefits

- + High efficiency with low energy consumption
 - + Large reject cross-section for blockage-free, low-pulsation operation
 - + Reduced maintenance requirement thanks to maintenance-friendly bank arrangement
 - + Compact bank design thanks to integrated final stage with fiber recovery unit
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Co-current cleaner

Contaminants with a low specific weight, like wax and Styrofoam, cannot be removed using conventional methods like screening or heavies separation and therefore accumulate in the system. Thanks to the co-current flow principle, high cleaning efficiency is achieved with low pressure loss, as there is no reverse flow. Using the LT3 lightweight contaminant cleaner, wax and Styrofoam can be removed from the suspension with high separation efficiency.

Sophisticated design for maximum system availability

To prevent blockages during operation, all nozzles in the LT3 have large cross-sections. The well-conceived design also suppresses pulsations caused by backlogs, which is especially important in the approach flow system to prevent MD fluctuations. The maintenance-friendly design of the LT3 minimizes the maintenance requirement for the cleaners and ensures maximum availability of the stock preparation unit.

Gas content reduction

In addition, the cleaner can be used specifically to reduce gas content in the stock flow or as a downstream cleaning stage together with HiClean HCL5-C combination cleaners.

Area of use

- Removal of contaminants with a low specific weight such as Styrofoam, wax, stickies and adhesives.
- Post-cleaning of light reject from combination cleaner
- Stock preparation and approach flow system

Technical specifications

Maximum pressure	[psi]	58	[bar]	4
Maximum temperature	[°F]	158	[°C]	70
Pressure loss (inlet – outlet)	[psi]	23	[bar]	1.6
Intake volume flow rate	[gpm]	42	[l/min]	160
Minimum accepts pressure	[psi]	7	[bar]	0.5
Maximum intake stock consistency	[%]	≤ 1.5	[%]	≤ 1.5

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