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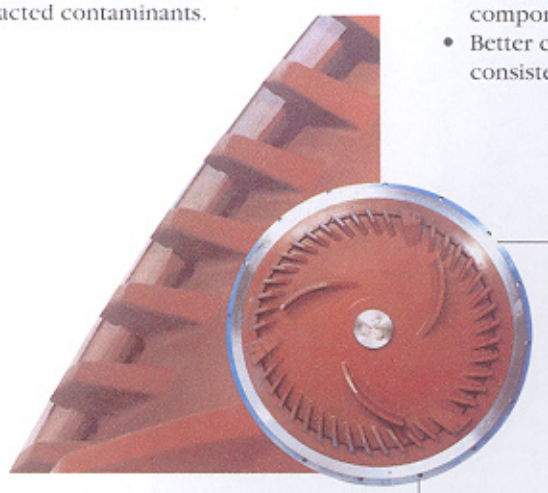
AIKAWA • LAMORT • THERMO ELECTRON

Continuous Scavenger

Detrashes Continuous Pulpers

Removes Light and Heavy Contaminants

The Fiberprep/Lamort Continuous Scavenger is the only detrashing device that removes both lightweight contaminants and heavy trash from continuous pulpers. The Scavenger, which can replace most existing junkers, also provides additional defibering and washes fiber from the extracted contaminants.



The Continuous Scavenger rotor and its backing ring with the 360° annular opening between them.

The Scavenger consists of a large-volume tub with a pumping rotor. A 360° annular opening formed by the rotor and its backing ring allows fiber to be recirculated to the pulper, while large contaminants are retained in the tub for later dumping. With a washing cycle, the Scavenger separates more fiber from the trash and directs it back to the pulper. The accumulated trash is dumped through a large outlet at the bottom of the tub.

The unit is easily installed on the side of the pulper and connected via a valve just above the extraction plate. Operation of the Scavenger is controlled by a microprocessor panel, which can be easily reprogrammed as application requirements change.

Improved Pulper Performance

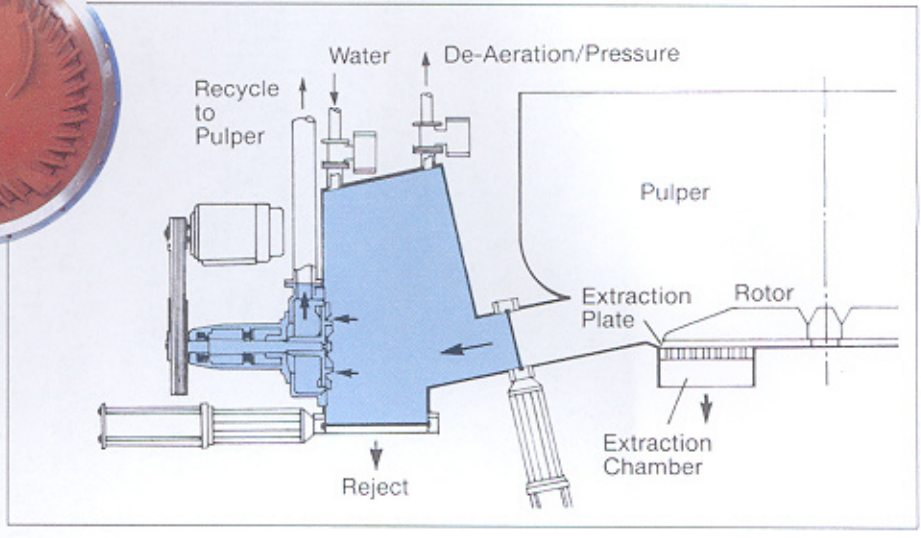
By eliminating trash buildup in the pulper, the Continuous Scavenger provides these immediate benefits:

- Reduced pulper downtime
- Increased pulper throughput
- Lower horsepower requirement
- Longer service life for the extraction plate and other pulper components
- Better control over pulper consistencies

Improved Quality

Other benefits of the Scavenger include:

- Improved paper quality
- Efficient elimination of lightweights and heavy contaminants
- No fiber loss during extraction of trash
- Reduced downstream cleaning and screening requirements, as large contaminants are extracted from the pulper before they can be fragmented



Trash extracted with a Scavenger from an 18' pulper.

Over 150 Continuous Scavengers have been sold in North America.

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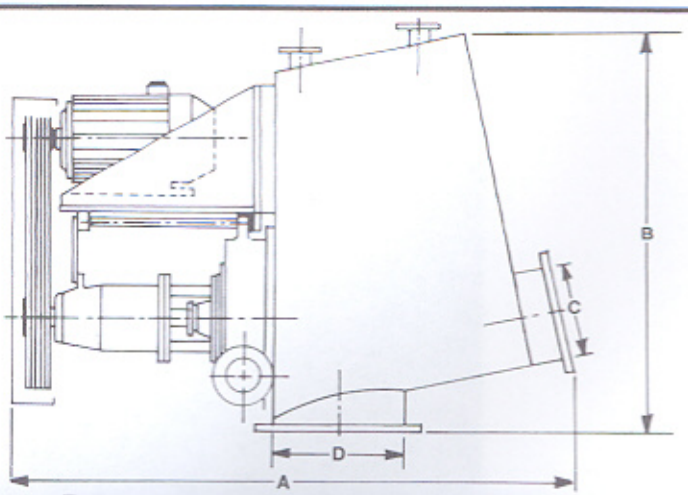
How the System Works

- When the stock inlet valve is opened, stock enters the Scavenger and flows toward the rotor.
- The rotor assists deflaking of the stock as the good fiber flows through the annular passage around the rotor and is circulated back to the pulper.
- When the volume of contaminants remaining in the tub reaches a predetermined level, the stock inlet valve is closed.
- White water enters the tub, thoroughly separating the fiber from the contaminants.
- The recovered fiber is continuously pumped through the annular passage around the rotor and back to the pulper.
- After the wash cycle, compressed air forces any remaining fiber and water back to the pulper.
- The rejects are dumped through an opening at the bottom of the tub.
- The cycle is repeated, resulting in a continuous cleaning of the pulper.



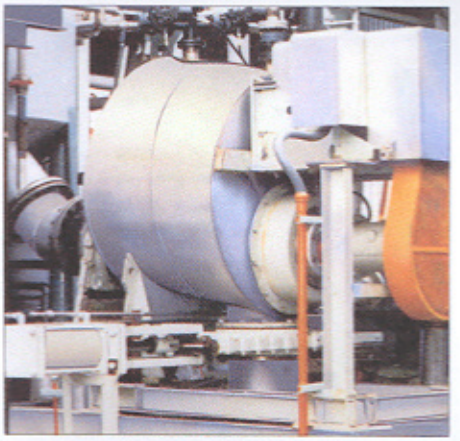
Models and Dimensions

Scavenger Model	I	II	III
Tub Volume (ft^3)	38.8	56.5	105.9
Flow to Pulper (G/M)	500 to 600	1100 to 1300	1800 to 2000
Motor Horsepower	30	60	100
Tub Diameter (in.)	43.8	59.7	71.5
A - Width (in.)	92.8	122.0	127.4
B - Height (in.)	61.0	86.5	101.8
C - Inlet from Pulper (OD, in.)	16.0	16.0	20.0
D - Reject (OD, in.)	20.0	24.0	30.0

Compact design requires minimal floor space.

Batch Pulper Scavengers

Fiberprep also manufactures several Scavenger models for use with batch-operated pulpers. These Batch Scavengers eliminate the need for an extraction plate in the pulper, while providing superior detrashing and first-stage screening. Consult your Fiberprep representative for details on these and other Fiberprep systems.



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Fiberprep, headquartered in Taunton, Massachusetts, engineers high-performance stock preparation, papermaking and recycling systems. It applies technical innovations such as the Scavengers, the Gyroclean and the inward-flow SPM screen to develop reliable, cost-effective solutions for some of the toughest problems in papermaking. Fiberprep is an independent engineering and manufacturing company formed by three international leaders in the pulp and paper industry, Aikawa of Japan, Lamort of France and Thermo Electron Corporation of the U.S.

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