

IMPCO® HI-Q™ Knotter

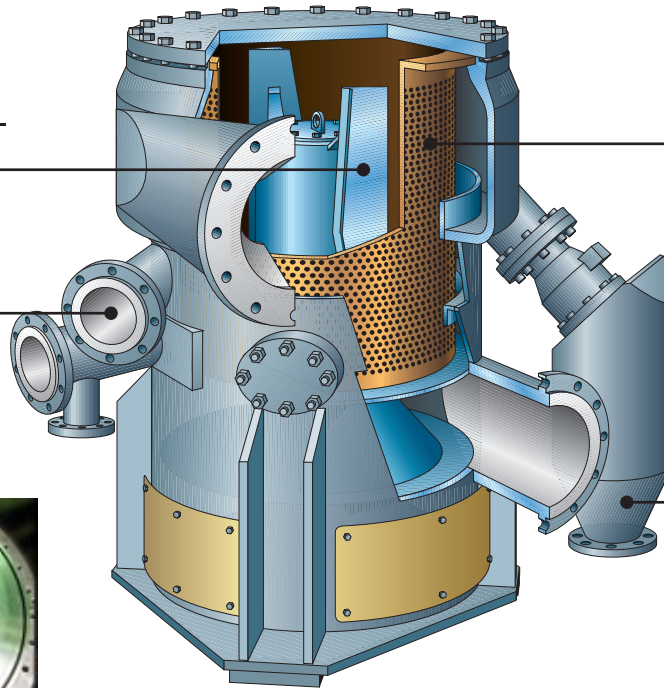
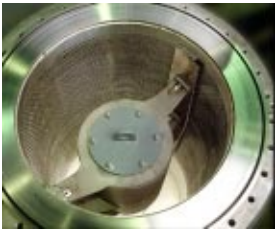


Hydrofoils.

Operating stability due to high-pulse, low-profile hydrofoils.

Elutriation liquor.

Washes good fiber from knots.



Screenplate.

Drilled in a spiral pattern to distribute wear.

Junk trap.

Removes heavy contaminants and tramp metal.

The HI-Q™ Knotter provides efficient and economical wood “knot” separation from a pulp stream under varied operating conditions. The HI-Q Knotter capitalizes on its inward flow design by protecting the rotating element and hydrofoils and preventing the rotor from degenerating brittle knots into dirt. The HI-Q Knotter has exceptional operating stability due to the patented high-pulse, low-profile hydrofoils.

Key Benefits

- Designed for continuous, remote, unattended operation
- Ease of maintenance
- The bearing assembly is interchangeable with the HI-Q™ Fine Screens, Rejects Separators and Trash Screens



GL&V Pulp and Paper Group

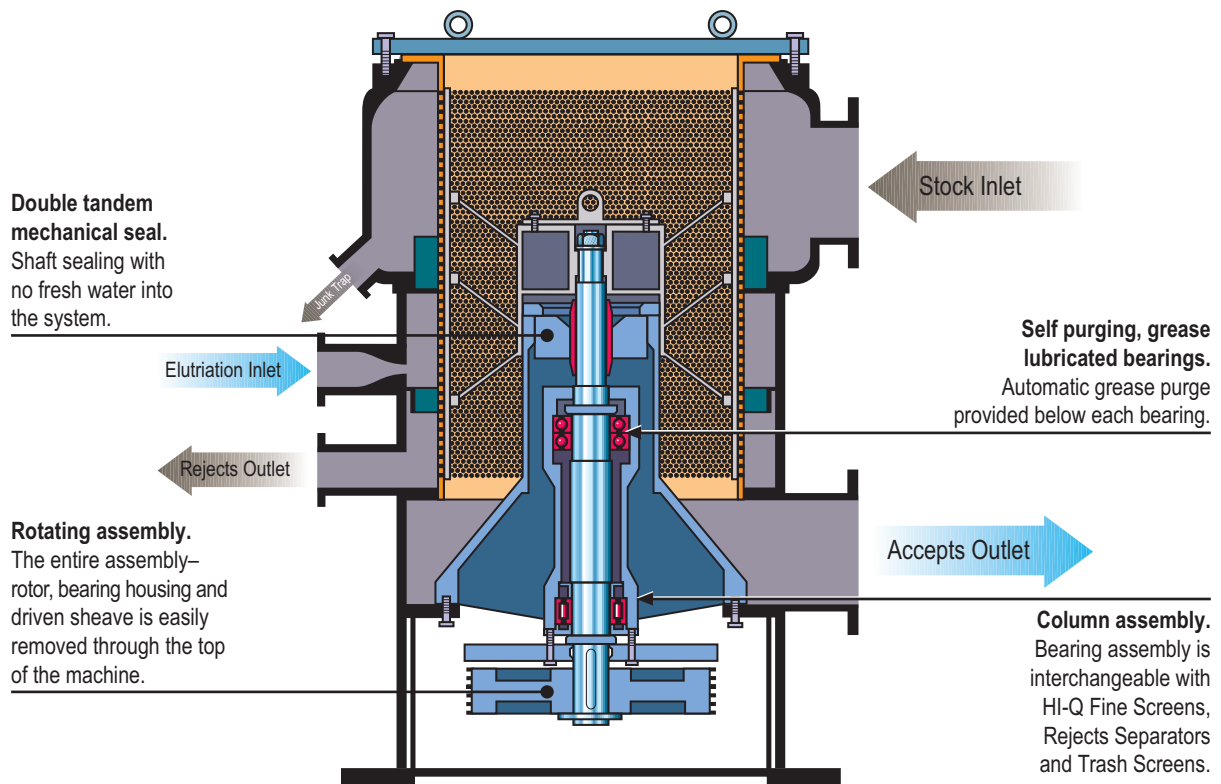
Albia • Bagley & Sewall • Beloit-Jones • Beloit-Lenox • Black Clawson-Kennedy • Canron • Celleco • Dorr-Oliver • Downingtown • Hedemora • Impco • LaValley • National Refiner Plate • Sandy Hill

Operation

- Pressurized operation for safety, housekeeping and possible reduction of air entrainment or foam generation.
- Elutriation liquor distributed tangentially in the lower half of the screening zone washes across the knots carrying good fiber into the accepts stream.
- Integral junk trap removes heavy contaminants and tramp metal from the pulp stream.
- The accept consistencies can be less than 1.5% BD or up to 4% BD.
- Low rejects consistencies for optimum secondary knotter operation.

Maintenance

- A small footprint and minimum vertical height makes handling of internal components easy when maintenance is required.
- To minimize spare parts inventory, the bearing assembly is interchangeable with the HI-Q Fine Screens, Rejects Separators and Trash Screens.
- The knotter rotor is mounted on a sturdy vertical shaft supported by self purging, grease lubricated bearings.
- Screenplate is drilled in a spiral pattern to distribute wear across the full length of the hydrofoils.



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