

Packing Version SpiralTrac™ Lasting 10 Years in Brown Stock Washer



Pulp & Paper | Brown Stock | Packing

Application Info & Challenge

A kraft paper mill in Michigan historically had issues with packing life on their brown stock washer repulpers. The washers were equipped with shallow stuffing boxes with no flush port on them. This resulted in short MTBR, frequent repacking was necessary with unplanned downtime of the equipment. Shutting down the washers for repacking required extra man hours and clean-up/housekeeping, resulted in increased operating cost for the mill.

Customer was looking to extend packing life to increase equipment reliability and stabilize cost of operation.



Brown Stock Washing Station

Solution & Result

- 3 rings of high quality Chesterton 1730 packing.
- **Packing Version SpiralTrac** made of bearing grade MGE material. PI4875RS5875(MGE)0L1.625 & PI4875LS5875(MGE)0L1.625
- Split adaptor plate to extend stuffing box.

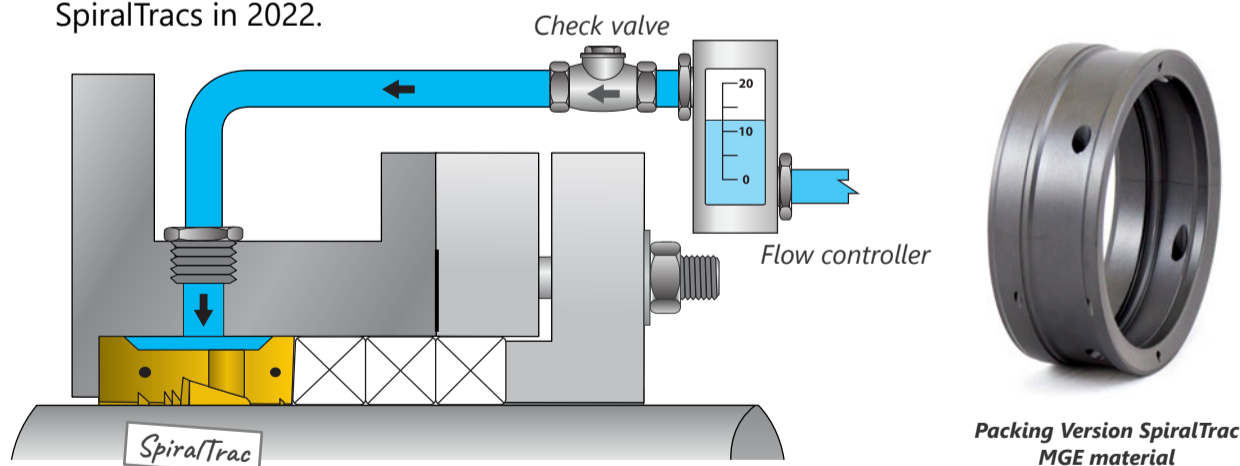
This total sealing solution consisted of an **adaptor plate** to extend stuffing box and allow room for **SpiralTrac** and 3 rings of **packing**. A flush port was also drilled on the box to supply clean mill water. 4 washers were converted in total, each having one CW and one CCW rotation SpiralTrac installed. 3 washers were converted in 2011 with the fourth one being upgraded in 2019.

This solution allowed the washers to be repacked only once a year at the scheduled annual outage. The SpiralTracs stayed in place at the bottom of the stuffing box during repacking, thus speeding up the process with less packing rings required.

There are significantly less packing adjustments necessary, and because of the clean drip rate leakage, the area around the washers are cleaner, lowering housekeeping efforts. This upgrade was incredibly successful as per customer, who reordered the same set of SpiralTracs in 2022.



Brown Stock Repulper



* EnviroSeal always recommends flow controls when installing a Packing Version SpiralTrac.



Brown Stock Repulper Stuffing Box

For more information please send an email to us at support@enviroseal.ca. We hope to hear from you!



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