

Chesterton 442C and SpiralTrac Turning Bad Actors to Reliable Workhorses in Paper Mill

Pulp & Paper | Mechanical Seal



Application Info & Challenge

- **Location:** Hungary
- **Equipment:** QTY 7 Toscotec Chest Agitators in various sizes, QTY 2 Andritz FP80-600 Double Ended Split Case Fan Pumps
- **Flush:** clean external flush

Customer had issues with OEM packing at these applications. Including high flush water usage, leakage of flush and product, poor equipment conditions and safety hazard around equipment.

Customer had bad maintenance practices due to the lack of OEM support. Chesterton had successful upgrade projects at this Paper Mill in the past, so based on previous successes and projected ROI, customer decided to upgrade all "bad actors" at one go, 9 equipment in total, 11 stuffing boxes.

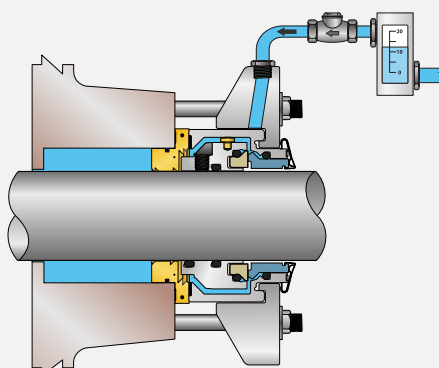


Poor conditions, caused by excessive leakage

Solution & Result

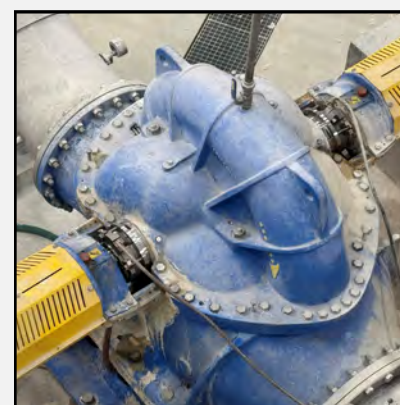
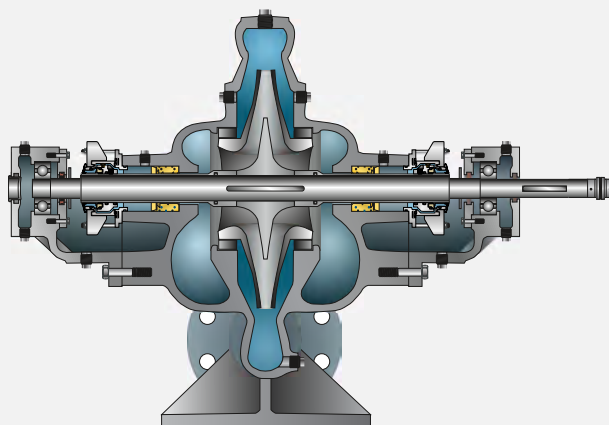
Mixers

- Chesterton 442C (75mm and 95mm) and 442C XL (125mm) split seals
- **Split SpiralTrac Adaptor**
- Chesterton Flow Guardian Flow Meter



Fan Pumps

- Chesterton 442C XL (145mm) split seal
- **Split SpiralTrac Version F Type S**, part# FM14500RS16880(ESC)/FM14500LS16880(ESC)
- Chesterton Flow Guardian Flow Meter
- Custom engineered split seal adapter (not shown)



All solutions were implemented on site without equipment modification and disassembly.

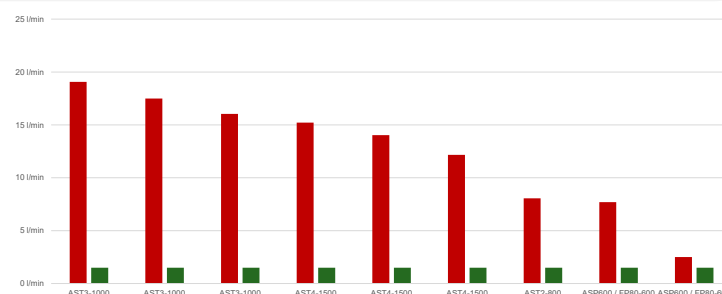
Measured ROI shows **significant water savings!**
All 11 upgraded boxes are operating without issues.

Total Operating Cost:

- Previous: 115,000 €/a
- Recommended: 27,000 €/a
- Investment: 95,000 €
- **ROI: 1.08 a / 13 month**

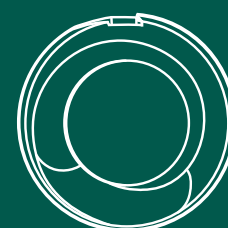
Flush Water Cost:

- Previous: 60,000 m³/a
- Recommended: 8,000 m³/a
- **Saving: 52,000 m³/a or 86%**



Measured water savings on all equipment

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



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