

19 Year Seal Life in Patterson 24" F24B Pump with SpiralTrac™



Wastewater | Raw Sewage | Mechanical Seal

Application Info & Challenge

Patterson 24" F24B Pump

- **Speed:** 505 RPM
- **Temperature:** 18°C (65°F)
- **Process Pressure (Stuffing box):** 25 psi
- **Seal flush water pressure:** 60 psi

Municipal wastewater treatment plant required a mechanical seal design for pumping raw sewage. Requirements include low pressure, ease of installation.



Patterson 24" F24B Vertical Sewage Pump

Solution & Result

- Chesterton 442 Split Seal 6.00" 442-36 CB/CR/FKM
- **Split SpiralTrac Version F Type S**

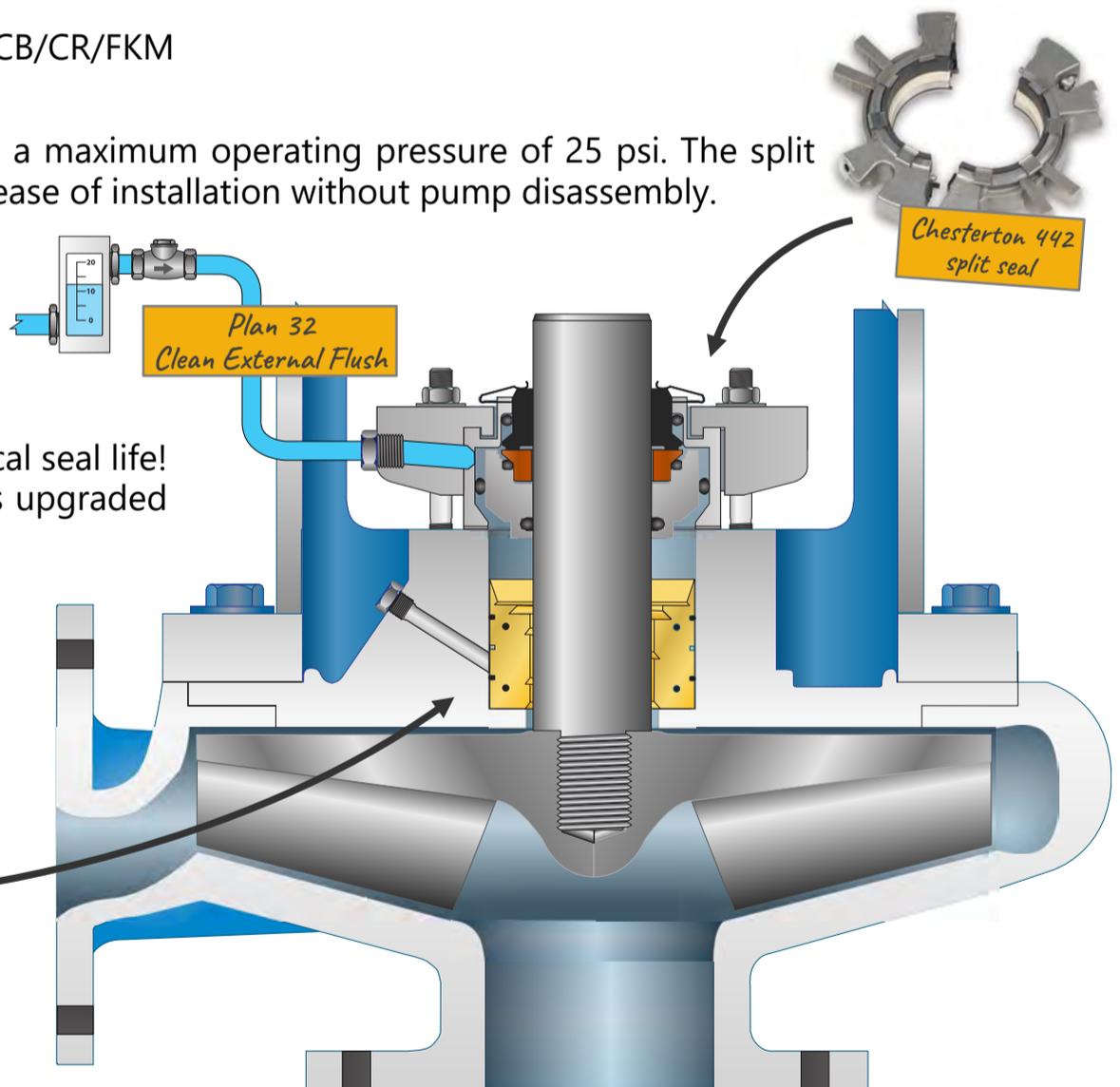
The 442 provided the right solution with a maximum operating pressure of 25 psi. The split design of the seal and SpiralTrac offered ease of installation without pump disassembly.

Installed: 2001.10.18

Seal failed: 2020.10.30

Operational Duty Cycle: 24 Hour continuous

No Leakage! That is **19 years** of mechanical seal life! Customer extremely happy and since has upgraded to a 442XL split seal!



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



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