Application Highlight

SpiralTrac™ Environmental Controller

Steel Manufacturing | Dirty Water | Packing

Application Info & Challenge

- **Industry:** Steel Manufacturing
- **Location:** Ohio, USA
- **Equipment:** Goulds VIT-CT Xylem Vertical Turbine Pump
- **Product:** Dirty water, steel plant flush/run-off, ambient temperature
- **Solids:** Grit, grime, dirt
- **No Flush**



Vertical Turbine ready for rebuild after 3.5 years of operation

Solution & Result

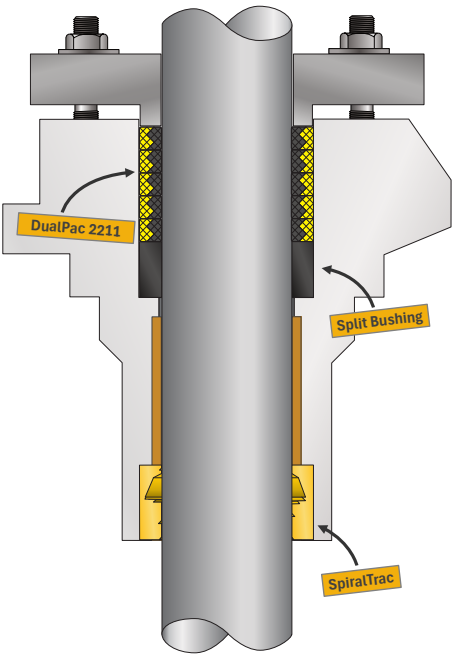
- Vertical Turbine Version **SpiralTrac™** *NI1187LI2000(BRZ)23-0048VT* made of bearing grade bronze
- Tight clearance split bushing *SPLIT BUSHING (MGE) 23-0047* made by EnviroSeal from MGE material
- 5 rings of Chesterton DualPac™ 2211 packing

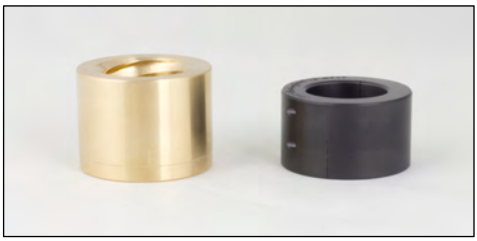


DualPac 2211 Packing

Installed in 2023, this Chesterton solution delivered more than **three and a half years** of reliable service before the pump was removed for a planned rebuild. Throughout its service life, the SpiralTrac played a critical defensive role by rejecting solids and preventing debris from migrating toward the stuffing box. Working together, the SpiralTrac and tight-clearance split bushing also provided intermittent shaft support, helping reduce shaft movement and maintain packing performance.

Based on these results, the customer specified the same Chesterton solution for the rebuild and has since requested the arrangement for another vertical turbine pump in the facility.





Vertical Turbine SpiralTrac and Split Bushing

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

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