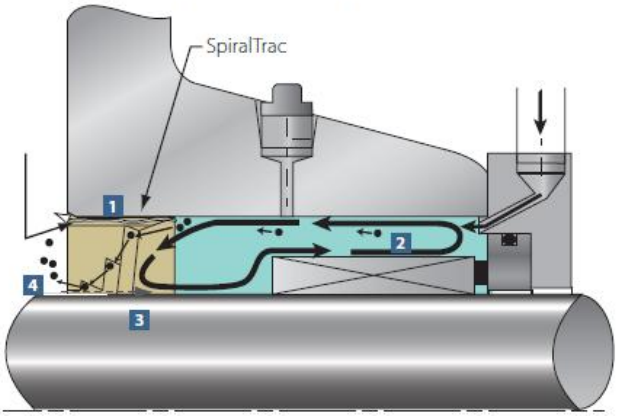
SpiralTrac™

Standard Plan 33H/33S

When used with Chesterton mechanical seals, SpiralTrac™ Environmental Controllers greatly enhance seal reliability by effective removal of solids and improved cooling of the stuffing box.



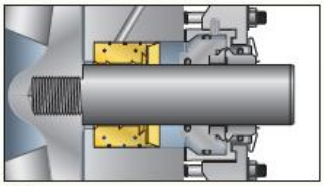
1. **Air:** Vented from cavity when pump is stationary (eliminates crystallization, coking overheating due to air)
2. **Circulation:** Driven around seal (excellent face cooling)
3. **Exchange:** In and out of cavity (heat removed from cavity)
4. **Particulate:** Immediately removed from cavity through the exit groove, flush or no flush

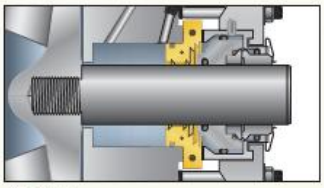
Technical Data	
Operating Parameters	
Version F (Split)	Greatly Reduce Flush
Version N	Reduced/No Flush in Non-Fibrous Fluids
Version D	Reduced/No Flush in Fibrous Fluids
Version P	Use Packing Only
Version C	Reduced/No Flush With Bottom Drain
Arrangements	
Type A	Counter Bore Fit
Type B	Bore Fit
Type S	Axial Split
Type I	Impeller Side Installation
Type E	Externally Keyed
Materials of Construction	
On Demand	316 Stainless Steel / EN 1.4401
Type A, B, S, and E	316 Stainless Steel
Type A, B, S, and E	PTFE - Glass-Filled
Type A, B, S, and E	PTFE - Carbon Graphite-Filled
Type A, B, S, I, and E	Bronze
Type A, B, S, and E	AWC800—Red Polymer
On Demand	Monel® K400/EN 2.4360

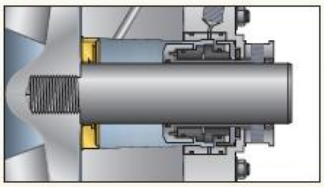
For operation outside the limits and additional materials consult Chesterton Mechanical Seal Engineering.

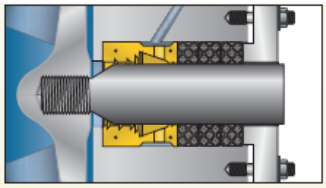
- Extends seal reliability in most rotating equipment applications
- Reduces cost of flushing in abrasive applications
- Fits all rotating equipment
- Plan 33H SpiralTrac™ Version D Type I
- Plan 32/33S SpiralTrac™ Version F Type S

Configuration Options


Split

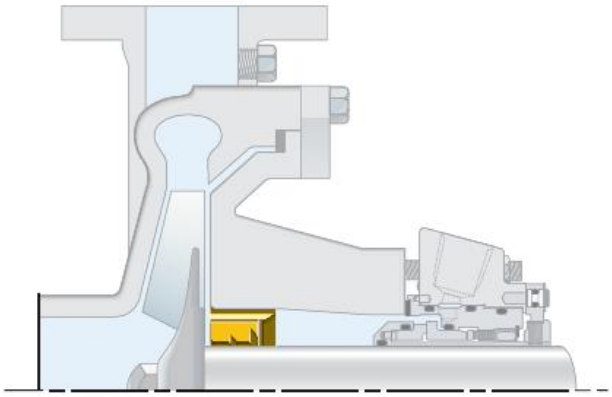

Adapter


Version N


Packing

CHESTERTON. Global Solutions, Local Service.

SpiralTrac™ Configuration Options



Version F Type S

- Requires minimal flush
- Split for easy installation
- Ideal for use with split mechanical seals
- No modifications required to pump or seal cavity

Version N / D Type A

- Requires minimal or no flush
- Replaces removable throat bushings
- Some machining modifications may be required to pump or seal cavity, depending on application

Version N Type E

- Requires minimal or no flush
- Enables venting of air from the seal cavity
- Designed to replace keyed throat bushings in split case pumps
- No modifications required to pump or seal cavity

Version N Type B

- Requires minimal flush
- Enables venting of air from the seal cavity
- Installs from the seal side of the seal cavity
- Greatly reduced flush in non-fibrous applications

Version N / D / C Type I

- Requires minimal or no flush
- Installs from the impeller side of the seal cavity
- Enables venting of air from the seal cavity
- Some machining modifications required to pump or seal cavity

Adapter

- Requires minimal flush
- Split for easy installation
- Ideal for use with split mechanical seals
- No modifications required to pump or seal cavity
- Installs between the seal cavity and the mechanical seal

CHESTERTON
Global Solutions, Local Service.