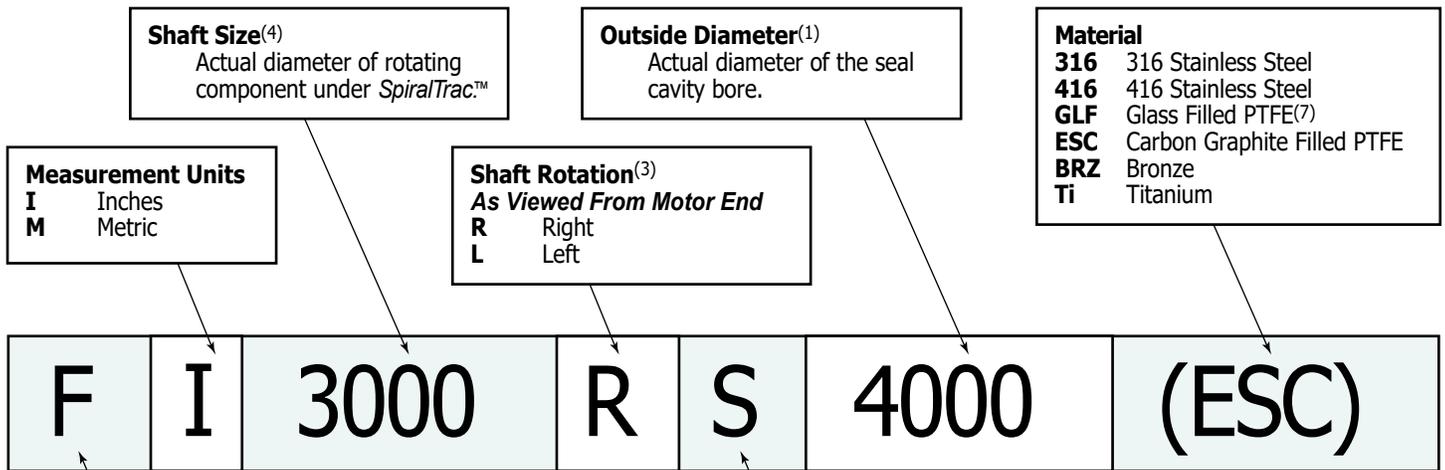


Example: The following part number identifies a device operating with greatly reduced flush (**F**), measured in inches (**I**), to fit over a 3.000" shaft (**3000**) in a pump with right fluid rotation (**R**). This is a split (**S**) SpiralTrac™ for in-place installation with split seals in a pump with a 4.000" seal cavity bore diameter (**4000**). The device is made of Carbon Graphite Filled PTFE (**ESC**).

This part number code applies to typical SpiralTrac™ configurations. For special configurations please forward a drawing to EnviroSeal for review.



Operating Conditions (SpiralTrac Versions)

- F** **Greatly reduced flush.**
Installed with split seals while the equipment is still in place. (see Type S)
- N** **Reduced or no flush⁽⁶⁾ in non-fibrous applications.**
More aggressive single spiral groove, deep air vent and exit groove, available in Types A, B, I and E.⁽⁵⁾
- C** **Reduced or no flush⁽⁶⁾ in non-fibrous applications.**
Designed for chemical service applications. Unique drain machined in bottom to effectively drain seal cavity. Available in Type I only.
- D** **Reduced or no flush⁽⁶⁾ in fibrous applications.**
Double spiral grooves, deeper air vent and exit groove, available in Types A, I and E.⁽⁵⁾
- P** **For use with packing only.⁽²⁾**
A combined lantern ring and centrifugal separator, axially split and manufactured with a single spiral groove.

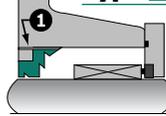


Notes:

- For **Type A** or **Type E** SpiralTrac™ dimensions for the counterbore or external key (**Horizontal Split Case Pumps**) must be provided in addition to the part number. Please contact EnviroSeal for sizing information sheets.
- For **Packing Version** SpiralTrac™ the width of the lantern ring as well as the size of packing and number of packing rings being replaced by SpiralTrac™ must be provided in addition to the part number. Please contact EnviroSeal for sizing information sheets.
- For **Double Ended Pumps** both right and left rotation devices are required.
- Depending on the pump, this may be a shaft, sleeve, or impeller hub diameter.
- When air is a problem from process or dry running, the use of flush, quench or double seals is necessary to provide face cooling.
- Elimination of flush is dependent on the type of application. Please contact EnviroSeal to determine your application's suitability for total flush elimination.
- Version P radial cross-section must be greater than .500" when using glass filled PTFE.

Easy Installation Options (SpiralTrac Types)

Type A Counterbore Fit

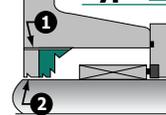


- Press into Place using reduced or no Flush⁽⁶⁾:**
- ✓ Drives **Circulation** for face cooling.
 - ✓ Forces fluid **Exchange** for heat removal.
 - ✓ Removes **Particulate**.

Recommended Upgrades

- ① Drill 5/32" vent hole:
- ✓ Releases **Air** when flooding.

Type B Bore Fit

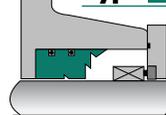


- Press into Place using reduced Flush:**
- ✓ Drives **Circulation** for face cooling.
 - ✓ Enhances fluid **Exchange** for heat removal.
 - ✓ Positions **Particulate** so a small flush (5-7 GPH/23-32 LPH) can force it under the throat restriction and out of the cavity.

Recommended Upgrades

- ① Drill 5/32" vent hole:
- ✓ Releases **Air** when flooding.
- ② Extend exit groove:
- ✓ Forces fluid **Exchange** and removes particulate without flush⁽⁶⁾ while eliminating shaft erosion.

Type S Axially Split Device (Typical for Split Seals)

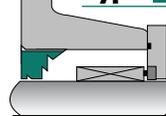


- Press into Place using reduced Flush:**
- ✓ Drives **Circulation** for face cooling.
 - ✓ Enhances fluid **Exchange** for heat removal.
 - ✓ Positions **Particulate** for removal by small flush (5-7 GPH/23-32 LPH).

No Upgrades

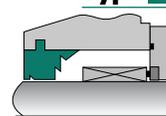
- Not practical due to installation while the pump is assembled.

Type I Impeller Side Installation (Typical for Open Bore Cavities)



- Press into Place using reduced or no Flush⁽⁶⁾:**
- ✓ Superior **Air** venting.
 - ✓ Drives **Circulation** for face cooling.
 - ✓ Forces fluid **Exchange** for heat removal.
 - ✓ Removes **Particulate**.

Type E Externally Keyed (Typical for Horizontal Split Case Pumps)



- Installed using reduced or no Flush⁽⁶⁾:**
- ✓ Superior **Air** release when vent specified.
 - ✓ Drives **Circulation** for face cooling.
 - ✓ Forces fluid **Exchange** for heat removal.
 - ✓ Removes **Particulate**.