

SpiralTrac Version P enables greatly reduced flush through enhanced utilization of the flow and centrifugal effects around the rotating shaft. Particulate is captured and guided away from the lower packing ring, thereby reducing sleeve wear. When a good quality packing is used, leakage is reduced to a drip rate or better and packing lasts longer.

The **SpiralTrac™** uses the rotating flow in the separation chamber to create an axial flow component drawn from the outer radius of the tapered cavity. A portion of the flow is directed out through the exit groove. The flush is introduced through the tangential injection holes into the separation chamber, with the same rotation as the shaft. Only enough flush volume to make up for the flow through the exit groove is required. Any particulate entering with the flush is immediately separated in the chamber, drawn into the **SpiralTrac™** groove, and expelled through the exit groove. Particulate entering from behind the impeller is centrifuged by the rotating shaft and fluid, into the exit grooves which guide them back towards the impeller. The flush flowing through the exit groove expels the particulate under the cast in throat.

Note: EnviroSeal recommends that a check valve and flow control be used, along with three rings of high quality packing above, which will sustain a drip rate leakage over a long period of time.

