

Official Distributor of:



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## VSR VERTICAL SINGLE ROTARY SEAL



The **SEPCO® VSR** is a single, external, cartridge-mounted, rotary seal designed for installations where shaft deflection exceeds the limits allowed by off-the-shelf cartridge seals. Excessive radial clearances designed in the seal make it ideal for vertical turbine pumps in power plants, pulp & paper mills, municipalities, and applications in relatively clean, lubricating fluids.

### OPERATING CAPABILITIES:

**Pressures:** Up to 300 psig

**Temperatures:** Up to 400° F, 205° C

**Speeds:** 5000 fpm

**Metal Parts:** 316 SS

**Face Materials:**

*Rotary Face:* High quality chemical grade carbon-graphite, solid nickel bound tungsten carbide, silicon carbide, and high purity ceramic

*Stationary Ring:* 17-4PH stainless steel.

**Secondary Seals:** Viton, EPR and Aflas

### Cartridge Mounted

The VSR is a completely self contained unit that is pre-assembled and pre-set at the factory for ease of installation. This feature also allows impeller adjustments to be made quickly and easily without interfering with the correct axial setting of the seal.

### Mounts Externally

This allows installation on equipment where packing has been used without having to replace expensive shafts and sleeves.

### Hydraulically Balanced

Hydraulic balancing is achieved internally allowing operation in higher pressures without the need for special stepped sleeves and shafts.

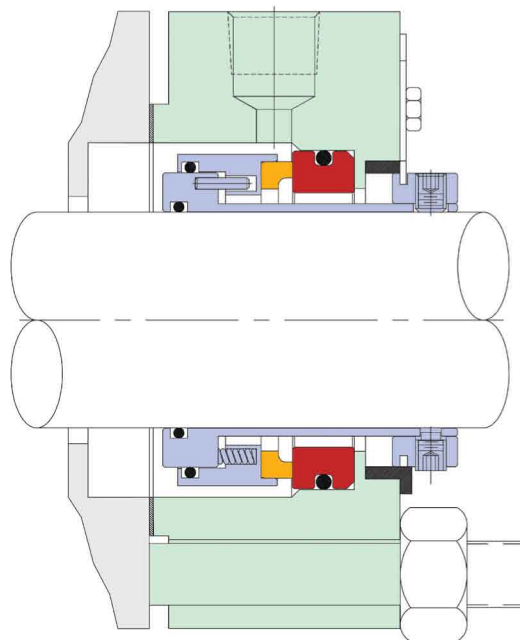
Balancing also provides cooler operation and extended reliability.

### Versatile Gland

The gland is vented to eliminate air entrapment and improve cooling efficiency for longer seal life. Machined glands offer superior corrosion resistance and strength and can be modified to fit the equipment.

### Fully Repairable

All sealing elements that wear during normal operation can be replaced and the seal repaired at a fraction of the cost of a new seal while providing performance consistent with a new seal.



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Certified to ISO 9001: 2000 Standards.

Quality Fluid Sealing Solutions for Industry.