

Fluidol® Model SPS “Super Pump Seal”™

A Cartridge Pump Seal that will Survive Where Others Cannot



Save Your Seal with Fluidol’s “Super Pump Seal”!

Users have called it the “Super Pump Seal,” and the name has stuck. What’s so super about it? Consider that only 10% of pump seals fail because they wear out. The Model SPS addresses many, if not most of the problems that cause seal failures that fall within the other 90%.

We can give you FIVE SOLID REASONS to choose Fluidol Model SPS “Super Pump Seal”:

Applications:

- Coatings, Paints, Inks, Resins and Pigments
- Asphalt/Bitumen, Coal Tar, Pitch, Creosote
- Glues, Adhesives
- Concrete Additives, Caulk and Sealants
- Paper Coatings, Black Liquor Soap, Tall Oil
- Isocyanate, Polyol
- Grease, Lubricants, Lube Oil Additives
- Heavy Fuel Oil, Crude Oil, Waste Oil Recycling
- Soaps, Fatty Acids and Surfactants
- Water/Wastewater Treatment Polymers & Emulsions
- Rendering Fats, Vegetable Oil Refining
- Fracking Fluids and Wastewater Brines
- Biodiesel Production from Fats and Oils
- Acetates, Amines, and Polyamides for Synthetics

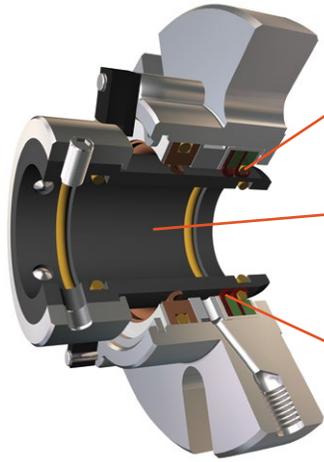
1. Will tolerate extended run dry
2. Will resist hydraulic shock
3. Versatility for thin to very thick liquids including non-lubricating or gas laden liquids
4. No springs to clog and no dynamic O-rings to hang up
5. Will tolerate a high degree of pump run-out due to pump wear and/or misalignment

User Benefits:

- No leakage performance
- Reduced maintenance costs and downtime – especially unplanned
- Long lasting – typically 3 years and more between repairs for most services
- Easy to install, operate and maintain
- Model SPS often replaces costly dual seals and eliminates the need for external seal support systems

The Inside Story of the Technology Behind the Fluidol “Super Pump Seal”™

High Tech Materials and Design



1. Secure-It™ O-ring to keep process liquid from penetrating under the lip seal
2. Silicon carbide sleeve resists fretting, and eliminates coatings that can flake off or fracture
3. Carbon fiber reinforced Teflon® wetted lip material for wear resistance

Features:

- Easy to install cartridge design
- Full face gland with ports for use with barrier fluids, if desired
- Field repairable with repair kit
- Special vacuum and dual seal configurations available
- Competitively priced, and short leads times for common pump models

Performance Data:

Sizes Available:	1.125 to 4.5 inches (28 to 110 mm)
Pressure:	300 psig (20 bar)
Vacuum:	26" Hg (88 kpa) with vacuum lip arrangement
Viscosity Range:	.5 to 500,000 cps
Temperature:	400° F (205° C)/500° F (260° C) with pressure derating and Chemraz® 605 o-rings
Maximum Surface Speed:	5000 FPM (25 m/s) wet; 3000 FPM (15 m/s) dry
Maximum Run-out:	.031" (.775 mm) TIR
Axial Motion:	+/- .125" (3.12 mm)

Materials of Construction

Sleeve:	Silicon Carbide
Gland and Drive Collar:	304 SS (other gland metals available)
Set Screws:	Hardened 400 SS with knurled edge
Lantern Ring:	Teflon®
Sleeve ID O-rings:	Viton®, Chemraz®, Aflas®, or EPDM (Other materials by request)
Secur-it™ O-ring:	Teflon® encapsulated Viton®
Inboard Lip Elements:	Carbon Fiber Reinforced Teflon® TFM

Call or Email Fluidol/Fluidol Distributor to Start Making Progress in Reducing Your 90%!

Choose Fluidol Super Pump Seals™!

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