HVS - High Viscosity Cartridge Seal

- Fits existing equipment, for easy conversion from older seal types
- Interchangeable, engineered polymer sealing element
- Cartridge seal simplicity eliminates installation errors
- Two step installation with automatic centering
- Field repairable

Introducing the HVS... specialized sealing technology for high viscosity fluids

HVS is the new recommendation for applications that exceed the performance limits of conventional seals. Unlike standard face seals, the HVS uses an engineered polymer sealing element that can withstand the torque, shear and frictional heat common when pumping viscous products. Triple contact surfaces molded into the rugged, single piece sealing element provide high reliability in an easy-to-use, versatile and economical cartridge seal design.
HVS - High Viscosity Cartridge Seal

The Chesterton High Viscosity Seal is designed to fit the most popular positive displacement pumps with no modifications. Automatic centering and axial positioning allow for seal installation in just two steps. The HVS uses an ultra-hard, durable seal sleeve for maximum reliability in the most difficult applications. There are only three major components. The seal is easily rebuilt by simply replacing the high performance sealing element. Three exclusive, engineered polymer materials are available to maximize sealing flexibility:

- Chesterton 100 for fluids such as Oil, Resin and Adhesive Emulsions, and Paints
- Chesterton 400 for water based fluids such as High-Solid Latex, Polymeric Emulsions, Soaps and Surfactants
- Chesterton 510 for food grade, sanitary requirements such as Chocolate, Syrups, and Corn Syrups

Materials of Construction
All metal components
- 316SS
Sleeve
- 316SS, Chrome Oxide Coated
Elastomers
- Fluorocarbon, Ethylene Propylene, ChemLast™
Sealing elements
- Available in exclusive Chesterton materials
  Chesterton 100, 400, 510
Pressure Limits:
- 150 psig (10 bar g)
Temperature Limits:
- 200°F (93°C) to 300°F (150°C) Consult factory
Speed:
- 550 ft/min (2.8 m/s) to 700 ft/min (3.5 m/s) Consult factory
Viscosity:
- 86 to 16,200 Centistokes (400 to 75,000 SSU).

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