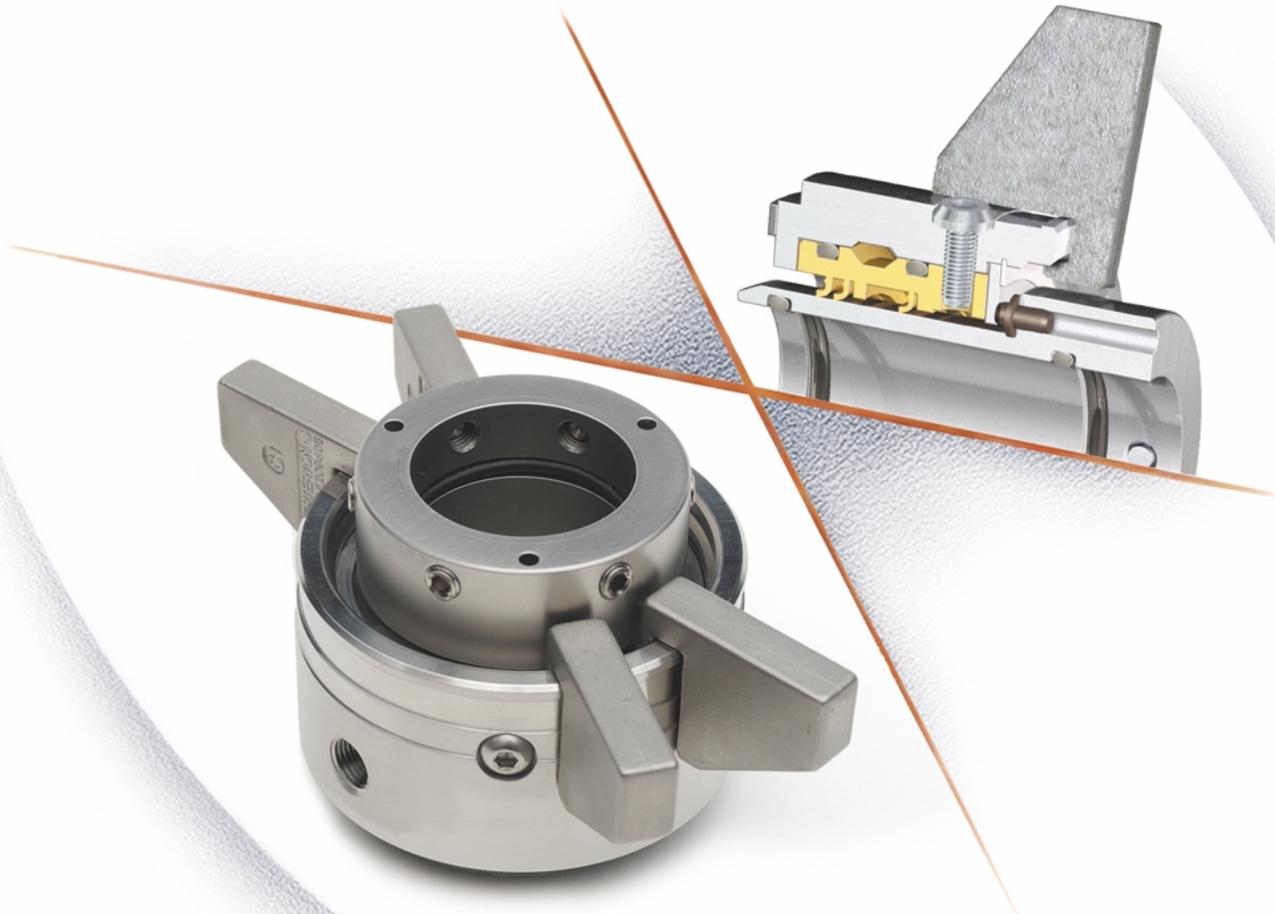


HVS - High Viscosity Cartridge Seal

- 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

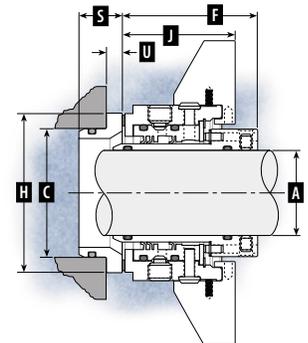
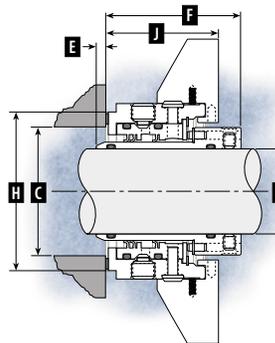
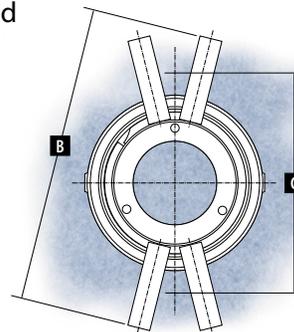
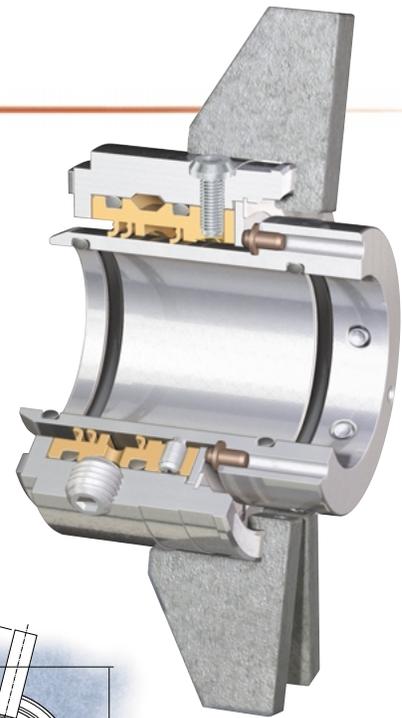
piece sealing element provide high reliability in an easy-to-use, versatile and economical cartridge seal design.

CHESTERTON®

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



With Cast Box Adapter

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).

ChemLast is a trademark of the A.W. Chesterton Company.

HVS Small and Large – Dimensional Data/Inch

SHAFT SIZE	GLAND TAB OD	SB BORE		SB DEPTH	OB LENGTH	BOLT CIRCLE BY BOLT SIZE					NOSE	GLAND WIDTH	ADAPTER LENGTH	FLANGE WIDTH	APPLICATION
A	B MAX	C MIN	C MAX	E MIN	F MAX	G MIN					H MAX	J	S	U	
						5/16"	7/16"	1/2"	5/8"	3/4"					
1.125	4.92	1.58	2.06	0.14	2.20	3.02	3.14	3.20			2.510	2.06	NA	NA	Viking H/HL (Standard and Univ)
1.437	5.23	1.89	2.31	0.22	2.41	3.33	3.45	3.52			2.685	2.06	NA	NA	Viking K,LL (Standard and Univ)
1.437*	5.23	2.171	2.176	0.51	2.41	3.33	3.45	3.52			2.685	2.06	0.78	0.27	Packed Viking K,KK,LL,AK,AL 125
1.625	5.42	2.08	2.40	0.22	2.41	3.52	3.64	3.70			2.878	2.06	NA	NA	Viking LS (Standard and Univ)
2.437	6.81	2.89	3.44	0.22	2.47			5.10	5.22	5.35	4.034	2.06	NA	NA	Viking Q/Qs (Standard and Univ), M(STD)
3.437	8.56	3.97	4.70	0.22	2.41			6.17	6.30	6.42	5.640	2.06	NA	NA	Viking N/R** (Standard and Univ)

PIPING CONNECTIONS: 1/8 inch NPT

* with Cast Box Adapter

** N/R Models have 4.5" shaft option

Standard Models - 1XX/2XX/4XXXX

Universal Models - 1XXA/2XXA/4XXXXA

CHESTERTON®

DISTRIBUTED BY:

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 www.chesterton.com

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