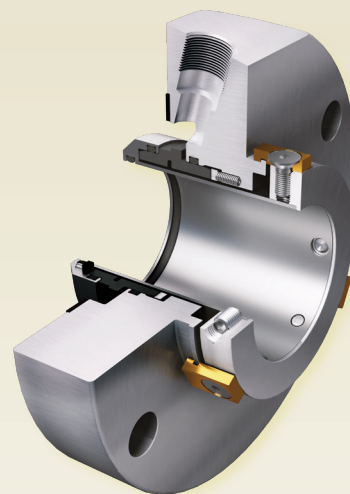
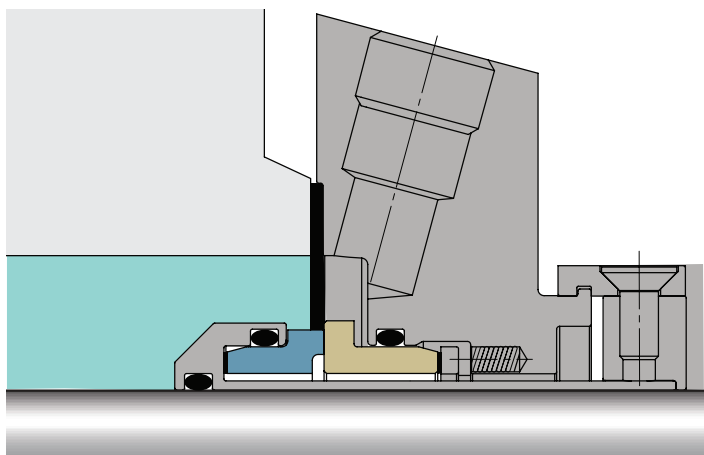


APPS

Chesterton® Single Cartridge Seal

*Designed to fit Sulzer® pumps for easy upgrades**

The Chesterton APPS single cartridge mechanical seal is designed to fit Sulzer APP/NPP/WPP series process pumps to provide an easy and convenient upgrade in sealing performance without modification. Built on the AXIUS™ modular platform, the APPS seal offers both ease of use and maximum reliability through Chesterton's proven seal technology. Just like the pump that it was designed to fit, this seal is ideal for paper stock, hot condensate, liquors, solvents, and evaporation services in a variety of industries.



Advantages

- Optimized fit per Sulzer design
- Designed for simple upgrade from packing or mechanical seal
- ViewIn™ technology enables easy seal identification
- Flush port at 90°/270° for convenient access

SPECIFICATIONS

Operating Parameters

Sizes	30 mm, 40 mm, 50 mm, 60 mm, 80 mm, 90 mm Fits unit 1, 2, 3, 4, 5, 6 without sleeve
Pressure	711 mm or 28" Hg Vacuum to 25 bar g (360 psig)
Temperature	-55°C – 300°C (-67°F – 570°F) Temperature limits depend on actual elastomers used
Speed	20 m/s (4000 fpm)

Applicable Standards

ISO-3069C, ASME B73.1, B73.2

Materials

Seal Faces	CB SSC
Elastomers	FKM EP FEPM
Metal Parts	EN 1.4401 (316 Stainless Steel)
Springs	EN 2.4819 (Alloy C-276)

*Seal pressure capabilities are dependent on the fluid sealed, temperature, speed, and seal face combinations.
For operation outside these limits and for additional materials please contact Chesterton Mechanical Seal Engineering.

Step 1: Find Your Sulzer APP/NPP/WPP Bearing Unit to Determine the Seal Diameter

Bearing Unit	Seal Diameter
1	30 mm
2	40 mm
3	50 mm
4	60 mm
5	80 mm
6	90 mm

Example: APP32-125

3: Bearing unit 3

2: adapter n°2

125: discharge flange in mm



Step 2: Choose Your APPS Single Cartridge Seal

Seal Diameter	Description and Materials	Item Number	Description and Materials	Item Number
30 mm	APPS 30 mm SA CB/SSC S EP	405238	APPS 30 mm SA SSC/SSC S EP	405240
	APPS 30 mm SA CB/SSC S FKM	405239	APPS 30 mm SA SSC/SSC S FKM	405241
	APPS 30 mm SA CB/SSC S FEPM	415544	APPS 30 mm SA SSC/SSC S FEPM	415545
	APPS 30 mm SLEEVE KIT*	418314		
40 mm	APPS 40 mm SA CB/SSC S EP	405246	APPS 40 mm SA SSC/SSC S EP	405248
	APPS 40 mm SA CB/SSC S FKM	405247	APPS 40 mm SA SSC/SSC S FKM	405249
	APPS 40 mm SA CB/SSC S FEPM	415546	APPS 40 mm SA SSC/SSC S FEPM	415547
	APPS 40 mm SLEEVE KIT*	418315		
50 mm	APPS 50 mm SA CB/SSC S EP	405254	APPS 50 mm SA SSC/SSC S EP	405256
	APPS 50 mm SA CB/SSC S FKM	405255	APPS 50 mm SA SSC/SSC S FKM	405257
	APPS 50 mm SA CB/SSC S FEPM	415548	APPS 50 mm SA SSC/SSC S FEPM	415549
	APPS 50 mm SLEEVE KIT*	418316		
60 mm	APPS 60 mm SA CB/SSC S EP	405262	APPS 60 mm SA SSC/SSC S EP	405264
	APPS 60 mm SA CB/SSC S FKM	405263	APPS 60 mm SA SSC/SSC S FKM	405265
	APPS 60 mm SA CB/SSC S FEPM	415550	APPS 60 mm SA SSC/SSC S FEPM	415551
	APPS 60 mm SLEEVE KIT*	418317		
80 mm	APPS 80 mm SA CB/SSC S EP	405270	APPS 80 mm SA SSC/SSC S EP	405272
	APPS 80 mm SA CB/SSC S FKM	405271	APPS 80 mm SA SSC/SSC S FKM	405273
	APPS 80 mm SA CB/SSC S FEPM	415552	APPS 80 mm SA SSC/SSC S FEPM	415553
	APPS 80 mm SLEEVE KIT*	418318		
90 mm	APPS 90 mm SA CB/SSC S EP	405278	APPS 90 mm SA SSC/SSC S EP	405280
	APPS 90 mm SA CB/SSC S FKM	405279	APPS 90 mm SA SSC/SSC S FKM	405281
	APPS 90 mm SA CB/SSC S FEPM	415554	APPS 90 mm SA SSC/SSC S FEPM	415555
	APPS 90 mm SLEEVE KIT*	418319		

**When installing the Chesterton APPS mechanical seal for the first time, the sleeve kit is required. If the Sulzer pump is already equipped with an APPS seal, then the sleeve kit is already installed. The seal will install directly to the pump shaft.*

Chesterton ISO certificates available on chesterton.com/corporate/iso

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