

# SRC Single Rotary Cartridge Seal

The SEPCO® SRC is a single internal cartridge-mounted rotary seal. The design is simple and loaded with design features found in more expensive seals. It is rugged and highly dependable yet cost less than most competitors' repaired units. It is designed for general service and for sealing lubricating liquids in pulp & paper, chemical processing, and wastewater treatment plants.



## SPECIFICATIONS

### Metal Parts:

- Standard metal parts and set screws: 316 SS
- Standard springs and drive pins: Hastelloy® C

### Face Materials:

- Standard: High quality chemical grade carbon-graphite and silicon carbide
- Optional: Solid nickel bound tungsten carbide

### O-ring Materials:

- Standard: Viton®, EPR and Aflas™
- Optional: Perfluorinated Elastomers

### Operating Capabilities:

- Pressure: To 350 psig (24 bar g)
- Temperature: -20° to 400°F (-29° to 205°C)
- Speeds: 5000 fpm (25 m/s)

Certified to ISO 9001:2015 Standards

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V081720

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## **CARTRIDGE MOUNTED**

*A completely self-contained unit pre-assembled and pre-set at the factory for ease of installation and maintenance on equipment where axial adjustments are required.*

## **COMPACT**

*The small cross-section and short internal and external axial lengths allow for installation on equipment with small, shallow stuffing boxes as well as limited first obstruction space.*

## **VERSATILE**

*The slotted gland allows the seal to fit a variety of stud sizes and bolt circle diameters. It is machined for superior strength and corrosion resistance and can be easily modified for fitting restricted spaces where equipment modifications are usually required.*

## **HYDRAULICALLY BALANCED**

*Hydraulic balancing is achieved internally and provides for operations at higher stuffing box pressures. The balance feature also allows the seal to load lighter and run cooler extending reliability and reducing power consumption.*

## **ISOLATED MULTIPLE SPRINGS**

*The multiple springs provide even mechanical loads for cooler operation and are isolated to prevent clogging from process fluids containing suspended solids.*

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## DIMENSIONAL DATA

Size Code	Shaft Size (A)	Stuffing Box Bore (B)		Internal Length (C)	External Length (D)	Min. Depth (E)	Gland Bolt Circle (F)			
		Min.	Max.				3/8 Stud Min.	Gland OD Max. BC	1/2 Stud Min.	Slot Size
16	1	1.625	1.750	.92	1.26	.98	2-19/32	4	2-23/32	9/16
18	1-1/8	1.750	1.875	.92	1.26	.98	2-23/32	4	2-27/32	9/16
20	1-1/4	1.875	2.000	.92	1.26	.98	2-27/32	4	2-31/32	9/16
22	1-3/8	2.000	2.125	.92	1.26	.98	2-31/32	4	3-3/32	9/16
24	1-1/2	2.250	2.500	.95	1.39	1.01	3-11/32	5	3-15/32	5/8
26	1-5/8	2.375	2.625	.95	1.39	1.01	3-15/32	5	3-19/32	5/8
28	1-3/4	2.500	2.750	.95	1.39	1.01	3-19/32	5-1/2	3-23/32	5/8
30	1-7/8	2.625	2.875	.95	1.39	1.01	3-23/32	5-1/2	3-27/32	5/8
32	2	2.750	3.000	.95	1.39	1.01	3-27/32	6	3-31/32	5/8
34	2-1/8	2.875	3.125	.95	1.39	1.01	3-31/32	6	4-3/32	3/4
36	2-1/4	3.000	3.375	.95	1.39	1.01	4-3/32	6-1/4	4-7/32	3/4
38	2-3/8	3.125	3.500	.95	1.39	1.01	4-7/32	6-1/4	4-11/32	3/4
40	2-1/2	3.250	3.625	.95	1.39	1.01	4-11/32	6-1/2	4-15/32	3/4
42	2-5/8	3.625	4.125	.95	2.13	1.01	5	6-1/2	5-1/8	3/4
44	2-3/4	3.750	4.250	.95	2.13	1.01	5-1/8	7	5-1/4	3/4
46	2-7/8	3.875	4.375	.95	2.13	1.01	5-1/4	7	5-3/8	3/4
48	3	4.000	4.500	.95	2.13	1.01	5-1/4	8	5-3/8	7/8
50	3-1/8	4.125	4.625	.95	2.13	1.01	5-3/8	8	5-1/2	7/8
52	3-1/4	4.250	4.750	.95	2.13	1.01	5-1/2	8	5-5/8	7/8
54	3-3/8	4.375	4.875	.95	2.13	1.01	5-5/8	8	5-3/4	7/8
56	3-1/2	4.500	5.000	.95	2.13	1.01	5-3/4	8-1/2	5-7/8	7/8
58	3-5/8	4.625	5.125	.95	2.13	1.01	5-7/8	8-1/2	6	7/8
60	3-3/4	4.750	5.250	.95	2.13	1.01	6	8-1/2	6-1/8	7/8
62	3-7/8	4.875	5.375	.95	2.13	1.01	6-1/8	8-1/2	6-1/4	7/8
64	4	5.000	5.500	.95	2.13	1.01	6-1/4	9	6-3/8	7/8
68	4-1/4	5.250	6.125	.95	2.13	1.01	7	9-1/2	7-1/8	7/8
72	4-1/2	5.500	6.375	.95	2.13	1.01	7-3/16	10	7-5/16	7/8
76	4-3/4	5.750	6.625	.95	2.13	1.01	7-5/8	10-1/2	7-3/4	1
80	5	6.250	7.375	.95	2.13	1.01	8-3/16	10-1/2	8-5/16	1

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