

PSS II

A split seal with only two components simplifies seal installation without requiring equipment teardown. Semi-cartridge rotating and stationary assemblies eliminate equipment measurements and handling of small components including seal faces and gaskets.

The PSS II is suited for general chemical industry, pulp and paper, wastewater treatment, power generation, and mining services.

Features/Benefits

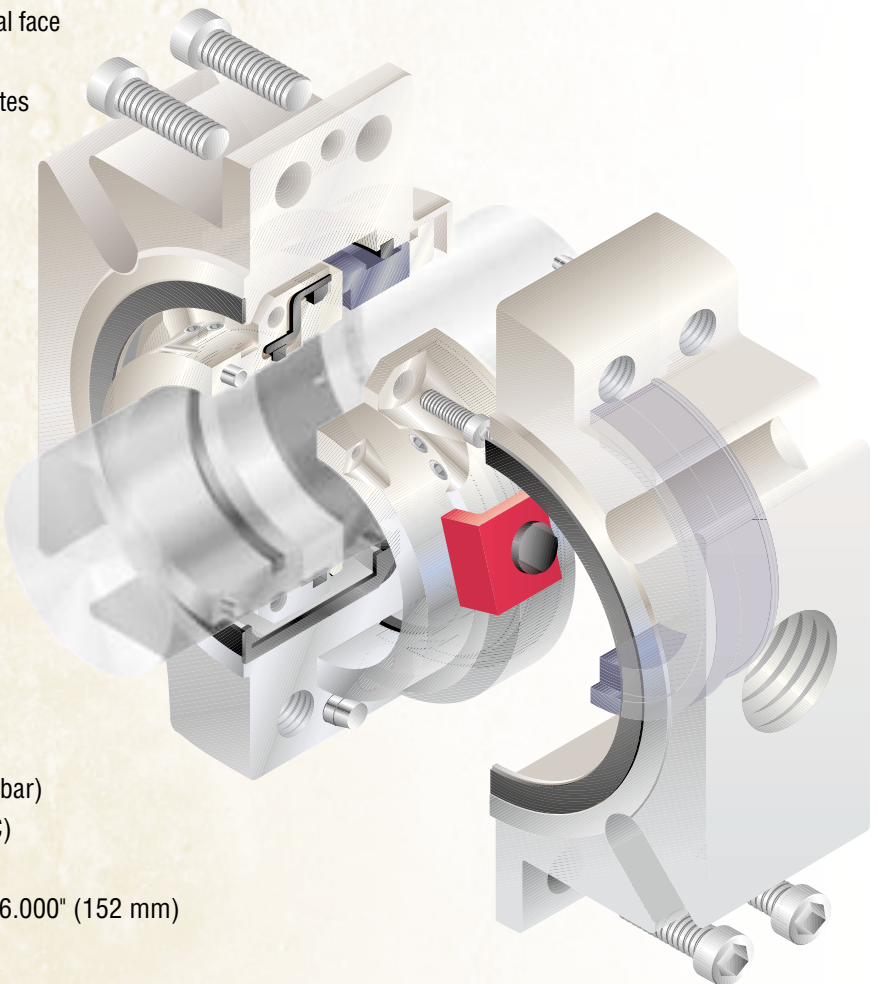
- **Mounts outside the seal chamber** - Eliminates the need to dismantle the equipment.
- **Pre-assembled rotating and stationary assemblies** - Seal faces, gaskets, springs, and pins are unitized into collar and gland halves which fit together like clamshells.
- **Unique setting devices position and center both assemblies** - No special tools or measurements are required for installation.
- **Flexible stator with large radial clearance** - Standard design accommodates up to 0.060" (1.5 mm) total indicated runout.
- **Set screws lock the collar to the shaft** - Increases seal pressure capability to 150 psi (10 bar).
- **Seal faces are pin driven** - Positive seal face torque in higher viscosity services.
- **Non-wetted springs and pins** - Eliminates clogging and seal face hang-up.
- **Standard NPT flush tap connection** - Flushing at the seal faces maintains a clean, cool seal environment in services such as paper stock.

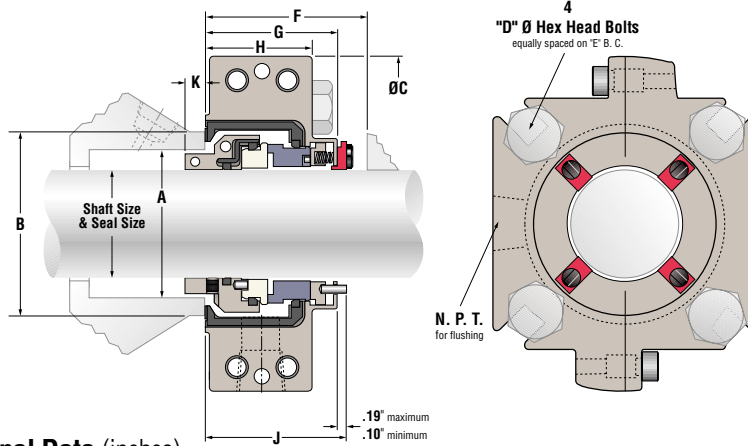
Materials of Construction

- Stator Face: Carbon, Silicon Carbide
- Rotor Face: Aluminum Oxide, Silicon Carbide
- Metal Parts: 316 Stainless Steel
- Springs: Alloy C-276
- Secondary Seals: Fluoroelastomer, EPR

Operating Parameters

- Pressure: up to 150 psi (100 bar)
- Temperature: up to 250°F (121°C)
- Speed: up to 3600 RPM
- Sizes: 1.500" (38 mm) to 6.000" (152 mm)





Dimensional Data (inches)

Shaft & Seal Size +0.001" -0.002"	A	B	C	D	E	E	F	G	H	J	K
		Min.	Min.	Max.	Min.	Max.	Min.			Max.	
1.500	2.12 to 2.50	2.75	5.25	0.500	3.50	4.33	2.50	2.12	1.71	2.31	0.33
1.625	2.25 to 2.62	2.88	5.50	0.500	3.62	4.75	2.50	2.12	1.71	2.31	0.33
1.750	2.38 to 2.75	3.00	5.41	0.500	3.75	4.36	2.50	2.12	1.71	2.31	0.33
1.875	2.50 to 2.88	3.12	5.53	0.500	3.88	4.67	2.50	2.12	1.71	2.31	0.33
2.000	2.62 to 3.00	3.25	5.75	0.500	4.03	5.06	2.50	2.12	1.71	2.31	0.33
2.125	2.75 to 3.25	3.50	5.69	0.625	4.44	5.38	2.72	2.34	1.84	2.53	0.39
2.250	2.88 to 3.38	3.62	5.81	0.625	4.56	5.64	2.72	2.34	1.84	2.53	0.39
2.375	3.00 to 3.50	3.75	5.94	0.625	4.69	5.06	2.72	2.34	1.84	2.53	0.39
2.500	3.12 to 3.75	3.88	6.88	0.625	5.00	6.20	2.72	2.34	1.84	2.53	0.39
2.625	3.25 to 3.75	4.00	6.19	0.625	4.94	6.00	2.72	2.34	1.84	2.53	0.39
2.750	3.38 to 3.88	4.12	6.75	0.625	5.06	6.17	2.72	2.34	1.84	2.53	0.39
2.875	3.50 to 4.00	4.25	6.44	0.625	5.19	5.94	2.72	2.34	1.84	2.53	0.39
3.000	3.62 to 4.12	4.38	7.62	0.750	5.56	6.63	2.72	2.34	1.84	2.53	0.39
3.125	3.75 to 4.25	4.50	7.06	0.750	5.56	6.44	2.72	2.34	1.84	2.53	0.39
3.250	3.88 to 4.38	4.62	7.19	0.750	5.69	6.63	2.72	2.34	1.84	2.53	0.39
3.375	4.00 to 4.50	4.75	7.31	0.750	5.81	6.69	2.72	2.34	1.84	2.53	0.39
3.500	4.25 to 5.00	5.25	8.50	0.750	6.38	7.45	3.06	2.69	2.19	2.88	0.51
3.625	4.38 to 5.13	5.38	8.00	0.750	6.50	7.37	3.06	2.69	2.19	2.88	0.51
3.750	4.50 to 5.25	5.50	8.75	0.750	6.63	7.83	3.06	2.69	2.19	2.88	0.51
3.875	4.63 to 5.38	5.63	8.25	0.750	6.75	7.63	3.06	2.69	2.19	2.88	0.51
4.000	4.75 to 5.50	5.75	9.00	0.875	7.00	7.92	3.06	2.69	2.19	2.88	0.51
4.125											
4.250											
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6.000											

Other sizes available on request. Contact Flowserve Engineering.

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The Split Flow Reducer is the perfect accessory for the PSS II



An engineered, close clearance device lowers seal water flush (API Plan 32) requirements when used with a Flowserve seal. Split axially for easy installation and constructed of glass filled PTFE for corrosion and abrasion resistance.