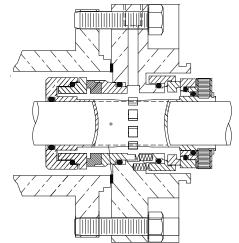


STYLE 7000





Application Data

Shaft speed: To 4000 FPM (feet per minute)

Pressure: Vacuum to 250 PSI Inboard

Temperature: See O-ring limitations

Materials

Metal Parts: 316SS, Alloy 20, Hastelloy "C",

Titanium

Springs: Hastelloy "C"

Faces: Combinations of Carbon, Sintered-Silicon

Carbide, and Tungsten Carbide

Elastomers: Viton, EPR, Kalrez, Aflas, Teflon

DELTA DOUBLE CARTRIDGE SEAL WITH PUMPING RING FOR MIXER/AGITATOR APPLICATIONS

Designed to accommodate radial and axial shaft movement associated with Mixer / Agitator sealing applications.

Technical Features

Radial Motion Capacity:

Sizes: 1.000" - 2.625" = Up to .062 TIR 2.750" - 4.750" = Up to .150 TIR

Axial Motion Capacity:

+/- .040

Optional special metal insert provides a cost effective alternative for corrosive service. This design variation uses a special metal insert (Titanium, Hastelloy "B", "C") for the process wetted surface in a standard 316 SS gland.

Double balanced, stationary design can be operated in two modes. In double mode the barrier fluid pressure higher is than stuffing box pressure. In tandem mode the barrier fluid pressure is lower than stuffing box pressure and can accommodate pressure reversals at the inboard faces.

Instantaneous pressure shift capability eliminates mixer and pressure vessel sealing worries even under jarring purge and pressure cycles.

High efficiency pumping design provides 400% increase in flow, providing superior heat removal through the circulated barrier fluid.

Self venting, bi-directional barrier fluid connections accommodate shaft rotations in either direction on horizontal and vertically mounted equipment.

Inboard shroud provides physical protection to the seal ring.

Large bore barrier fluid ports provide high capacity cooling.

Large internal radial clearances provide efficient barrier fluid flow and heat removal.

Two piece face designs assures optimum seal performance for the most challenging, demanding environments where one piece face construction is vulnerable to premature failure.

Rugged, heavy duty gland castings eliminate distortion related failures.

Rotary inboard faces stabilized under compression are flexibly mounted utilizing o-rings for their shock and vibration absorption qualities.

Positive hold, metal centering clips center the seal in both the axial and radial directions.

Choose from spare parts kits for field repair or the optional factory repair program. State of the art, easy-to-install design uses the least number of components, simplifying field repair, resulting in low life cycle costs.

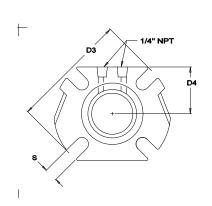
All seals are pressure tested at the factory assuring 100% sealability during startup.

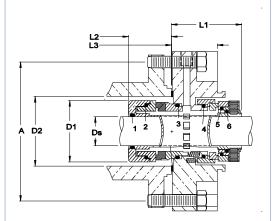
METRIC DIMENSIONAL DATA FOR DELTA SEAL STYLE 7000

FRONT VIEW

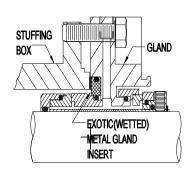
SIDE VIEW

OPTIONAL GLAND FEATURE





Optional exotic metal gland insert for corrosive environments. (Hastelloy "C", "B", Titanium, etc.)



DS	D1	D2 Min	D2 Max	D3 Gland OD	D4 Gland Flat	Α				S Slot Width	L1 Outside Length	L2 Inside Length	L3 Gland Length
Seal Size	Sleeve OD					Min. Bolt Circle by Stud Size							
Size	OD			OD	riac	8mm	10mm	12mm	16mm	widti	Lengui	Lengui	Lengui
24	47	49.6	55.8	104	48.4	72.0	74.0	76.1	81.5	11.6	54.1	32.3	14.4
25	50.3	52.8	57.1	111.8	51.9	78	80.1	82	87.5	11.6	54.1	32.3	14.4
28	50.3	52.8	57.1	111.8	51.9	78	80.1	82	87.5	11.6	54.1	32.3	14.4
30	53.6	56.1	61.2	111.9	51.9	78.1	80.1	82.1	87.6	11.6	54.1	32.4	145
32	53.6	56.1	61.2	112	51.9	78.1	80.2	82.2	87.6	11.6	54.1	32.3	14.4
33	57.5	60.1	64.7	122.1	52.4	83.6	85.6	87.6	93.1	13.4	54.1	32.3	31.7
35	61	63.6	68.5	122.3	52.4	83.7	85.8	87.8	93.2	13.4	54.1	32.3	31.7
38	64.3	66.8	72.3	138.1	58.5	88.9	91	93	98.4	14.2	54.1	32.3	14.4
40	67.3	69.9	74	138.3	58.5	89.1	91.1	93.1	98.6	14.2	54.1	32.3	14.4
43	67.3	69.9	74	138.3	58.5	89.1	91.1	93.1	98.6	14.2	54.1	32.3	14.4
45	70.6	73.2	79.0	139.7	62.2	945	965	98.5	104.0	14.2	54.1	32.4	145
48	73.8	76.3	79.3	148.3	62.2	94.5	96.6	98.6	104	14.2	54.1	32.3	14.4
50	73.8	76.4	79.4	148.3	62.2	94.5	96.5	98.5	104.	14.2	54.1	32.4	14.5
53	80.1	82.7	92.8	156.8	62.4	108	110	111	117.5	16.2	54.1	32.3	31.7
55	80.1	82.7	92.8	156.8	62.4	108	110	111	117.5	16.2	54.1	32.3	31.7
58	83.1	85.6	97	163	69.6	113.1	115.1	117.1	122.6	16.2	54.1	32.3	14.4
60	83.1	85.6	97.	163.1	69.6	113.2	115.2	117.2	122.7	16.2	54.1	32.4	14.5
63	92.3	94.8	102.3	196.9	76.7	127	129.1	131.1	136.5	17.7	58.4	29.4	31.7
65	92.3	94.8	102.3	197.0	76.7	127.9	129.9	131.9	137.4	17.7	58.4	29.5	31.8
68	100.9	105.1	109.6	197.1	76.7	127.2	129.2	131.2	136.7	17.7	58.4	29.4	31.7
70	100.9	105.1	109.6	197.0	76.7	127.9	129.9	131.9	137.4	17.7	58.4	29.5	31.8
75	107.3	111.4	125.1	215.8	84.6	146.1	148.1	150.1	155.6	19.8	58.4	29.5	31.8
80	119.9	124.1	127.8	216	84.6	146.3	148.3	150.3	155.8	19.8	58.4	29.4	31.7
85	119.9	124.1	127.8	216	84.6	146.3	148.3	150.3	155.8	19.8	58.4	29.4	31.7
90	126.3	130.5	149.3	245.0	95.2	176.4	178.4	180.4	185.9	19.8	58.4	29.5	31.8
95	126.3	130.5	149.2	244.9	95.2	176.3	178.4	180.3	185.8	19.8	58.4	29.4	31.7
100	139	143.2	155.5	245.2	95.2	176.6	178.6	180.6	186.1	19.8	58.4	29.4	31.7
110	145.4	149.5	158.1	245.0	95.2	176.4	178.4	180.4	185.9	19.8	58.4	29.5	31.8

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