



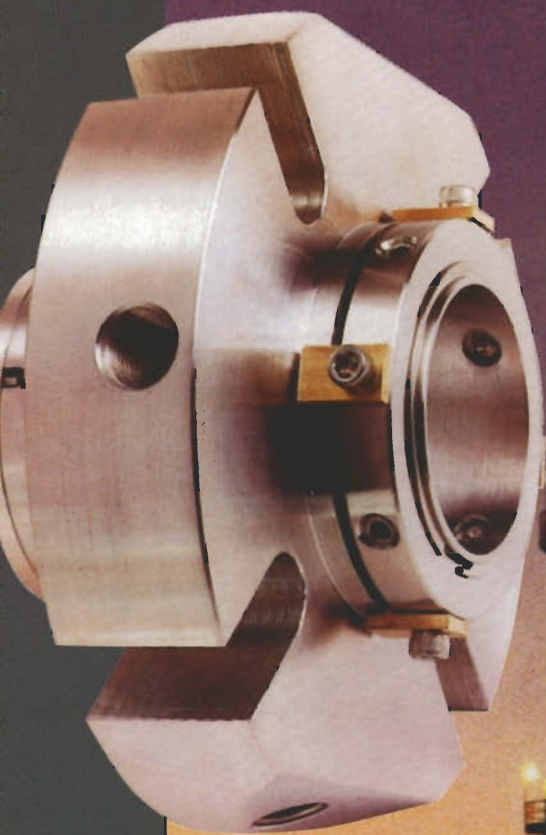
PPC

MECHANICAL SEALS

UNIVERSAL HEAVY DUTY CARTRIDGE SEAL

1500

- An amazingly versatile all-purpose seal furnished with bushing or optional quench seal housed in gland.
- Performs especially well in abrasive and light slurry applications.
- Uncomplicated design gives greater dependability, longer life and ease of repair.



*Solutions To Mechanical
Seal Problems*

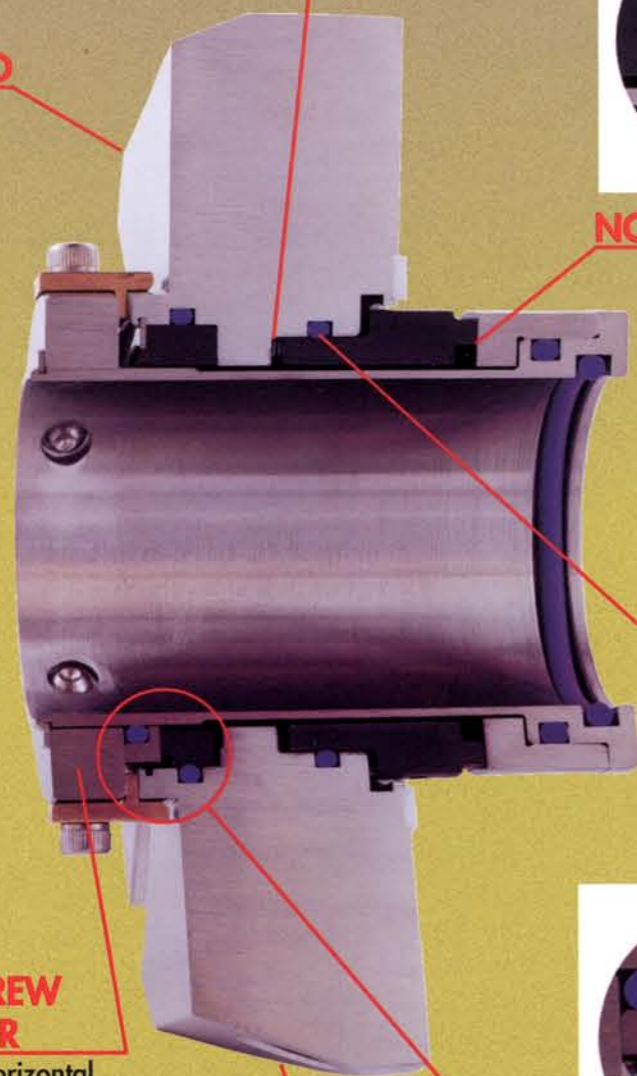
THROUGH CREATIVE ENGINEERING AND EXPERT TECHNICAL SERVICE

STATIONARY SPRINGS ARE ISOLATED

from pumped fluid and are not affected by a misaligned gland.

QUENCH AND DRAIN IN GLAND

Used to control seal face temperature.



NO PRESS FIT - NO FACE WARPAGE

Solid rotary and stationary faces eliminate disadvantages of press-fit faces.



DYNAMIC O-RING WON'T HANG UP

Improved design provides for clean area to advance beneath dynamic O-ring. It won't hang up, even with product build-up.



LIQUID QUENCH IS FULLY CONTAINED

The 1500Q version is designed with a quench seal in the gland to fully contain a liquid quench. Product leakage to atmosphere is contained if primary seal fails.

OUTSIDE SET SCREW LOCKING COLLAR

allows installation on horizontal split case pumps without complete pump disassembly.

TANGENTIAL FLUSHING

provides a directed flow resulting in longer seal life by keeping abrasive particles away from faces.

VERSATILE. Works well in both vertical and horizontal applications

ADAPTABLE. Slotted gland fits most pumps, particularly in the ANSI line. API gland is available when specified.

FAST, PRECISE INSTALLATION. Cartridge design allows easy installation. Preset assembly virtually eliminates errors.

BALANCED SEAL DESIGN. The 1500 is designed to handle higher pressures with minimal heat generation.

WILL NOT DAMAGE SHAFT OR SLEEVE Dynamic o-ring does not contact pump shaft or sleeve.

TECHNICAL DATA:

Temperatures	-65 to 450°F, depending on elastomer
Pressures	to 300 PSIG, depending on size and speed
Speed	up to 3600 RPM

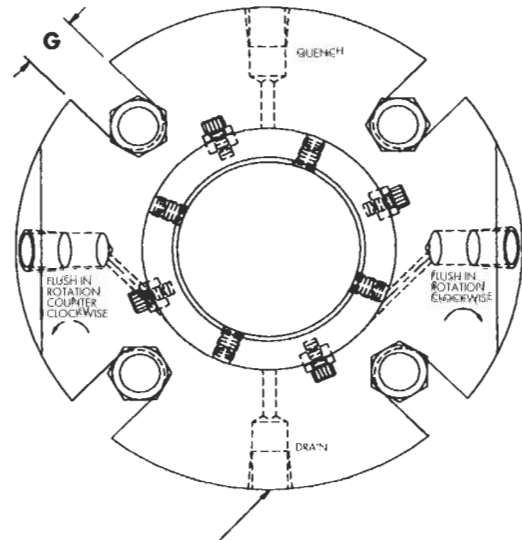
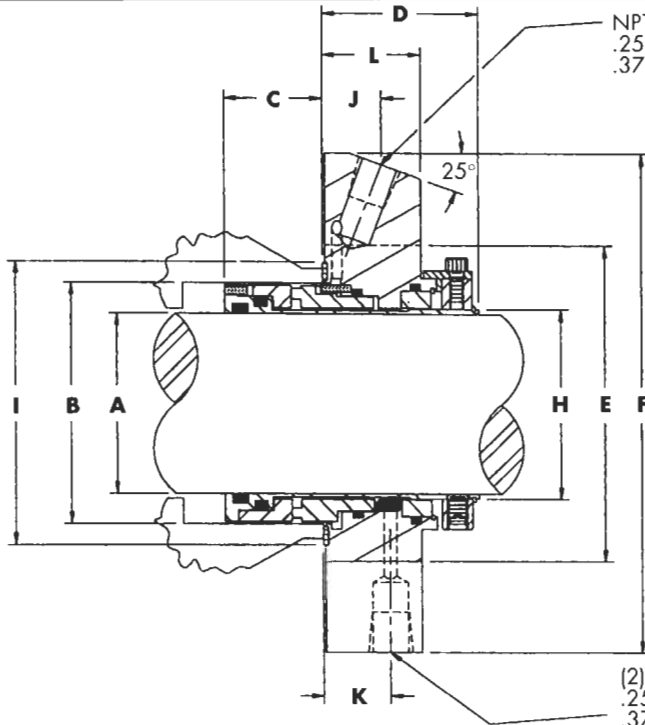
MATERIALS OF CONSTRUCTION:

Metal Parts	316 Stainless Steel
Springs	Hastelloy-C***
Elastomers	EPDM, Fluoro and Perfluoroelastomer
Rotary Seal Face	Silicon Carbide or Tungsten Carbide
Stationary Seal Face	Carbon or Tungsten Carbide

* E.I. DuPont Reg. T.M. ** Greene, Tweed & Co. Reg. T.M. *** Haynes International, Inc. T.M.

Compare the 1500 advantages over competitive seals.

1500 MECHANICAL SEAL ASSEMBLY



(2) NPT'S FOR QUENCH & DRAIN
.250 NPT UP TO 2.625
.375 NPT 2.750 AND ABOVE

A	Bmin.	Bmax.	C	D	E	F	G	H	I	J	K	L
1.000	1.625	2.010	1.21	1.91	2.31	4.11	.44	1.125	2.22	.71	.82	1.21
1.125	1.750	2.040	1.21	1.91	2.44	4.24	.44	1.250	2.28	.71	.82	1.21
1.250	1.875	2.270	1.21	1.91	2.69	4.36	.56	1.375	2.56	.71	.82	1.21
1.375	2.000	2.430	1.21	1.91	2.75	4.00	.44	1.500	2.69	.61	.82	1.21
1.500	2.250	2.630	1.21	1.91	2.94	4.98	.56	1.625	2.81	.71	.82	1.21
1.625	2.375	2.690	1.21	1.91	3.06	4.99	.56	1.750	2.94	.71	.82	1.21
1.750	2.500	2.810	1.21	1.91	3.19	5.48	.56	1.875	3.06	.71	.82	1.21
1.875	2.625	2.940	1.21	1.91	3.31	5.48	.56	2.000	3.19	.71	.82	1.21
2.000	2.750	3.190	1.21	1.91	3.44	5.49	.56	2.125	3.44	.71	.82	1.21
2.125	2.875	3.440	1.21	1.91	3.81	5.99	.69	2.250	3.69	.71	.82	1.21
2.250	3.000	3.560	1.21	1.91	3.94	6.24	.69	2.375	3.81	.71	.82	1.21
2.375	3.125	3.590	1.21	1.91	4.06	6.24	.69	2.500	3.94	.71	.82	1.21
2.500	3.250	3.810	1.21	1.91	4.19	6.48	.69	2.625	4.06	.71	.82	1.21
2.625	3.375	4.070	1.21	1.91	4.75	7.62	.69	2.750	4.59	.71	.82	1.21
2.750	3.750	4.190	1.36	2.22	4.88	7.74	.69	3.000	4.72	.83	1.00	1.43
2.875	3.875	4.315	1.36	2.22	5.00	7.89	.69	3.125	4.84	.83	1.00	1.43
3.000	4.000	4.440	1.36	2.22	5.12	8.00	.69	3.250	4.97	.83	1.00	1.43
3.125	4.125	4.565	1.36	2.22	5.25	8.13	.69	3.375	5.09	.83	1.00	1.43
3.250	4.250	4.690	1.36	2.22	5.38	8.25	.69	3.500	5.22	.83	1.00	1.43
3.375	4.375	4.815	1.36	2.22	5.50	8.37	.81	3.625	5.34	.83	1.00	1.43
3.500	4.500	4.940	1.36	2.22	5.62	8.50	.81	3.750	5.47	.83	1.00	1.43
3.625	4.625	5.065	1.36	2.22	5.75	8.62	.81	3.875	5.59	.83	1.00	1.43
3.750	4.750	5.190	1.36	2.22	5.88	8.75	.81	4.000	5.72	.83	1.00	1.43
4.000	5.000	5.440	1.36	2.22	6.09	8.98	.81	4.250	5.97	.83	1.00	1.43
4.500	5.500	5.940	1.36	2.22	6.59	9.48	.81	4.750	6.47	.83	1.00	1.43
4.750	5.750	6.190	1.36	2.22	6.81	9.75	.81	5.000	6.72	.83	1.00	1.43

1500+ FOR OVERSIZE STUFFING BOX

1.125	2.500	2.906	1.21	1.91	3.31	4.62	.44	1.250	3.16	.71	.82	1.21
1.375	2.781	3.219	1.21	1.91	3.53	5.31	.44	1.500	3.47	.68	.82	1.21
1.750	3.469	4.188	1.21	1.91	4.50	6.31	.56	1.875	4.38	.71	.82	1.21
1.875	3.406	4.062	1.21	1.91	4.41	6.25	.56	2.000	4.31	.71	.82	1.21
2.125	3.437	4.375	1.21	1.91	4.81	7.13	.69	2.250	4.69	.71	.82	1.21
2.500	4.156	5.187	1.21	1.91	6.75	7.88	.69	2.625	5.50	.71	.82	1.21
2.625	4.156	4.812	1.21	1.91	5.44	7.50	.56	2.750	5.13	.71	.82	1.21

WARRANTY: Power Packing Company seals and seal parts are guaranteed to be free from defects in material and workmanship and are guaranteed to render satisfactory service when used for the purpose for which they are designed.



BATON ROUGE
P.O. Box 52915 • 2769 Mission Dr.
Baton Rouge, LA 70805
225-356-4333 • FAX 225-355-2126
1 800 731-7325

MOBILE SERVICE CENTER
707 Goldenrod Ave.
Saraland, AL 36571
334-679-0971 • FAX 334-679-0975

www.ppcmechanicalseals.com