

GSL

A non-contacting gas seal with virtually no wear and full pressure backup seal containment capability for light hydrocarbon, crude oil, and other services.

Features/Benefits

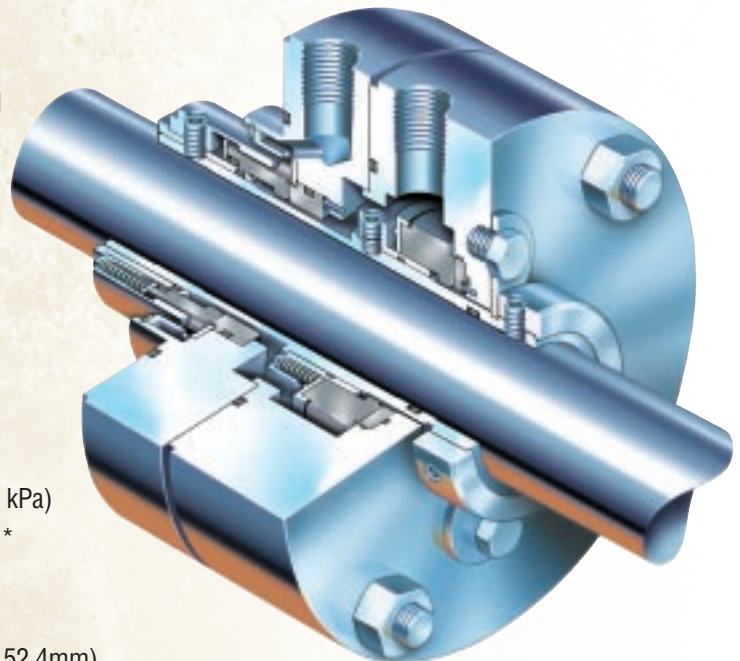
- No barrier fluid required...Simplifies **seal operation**
- Completely interchangeable with present GS seal...**Reduces inventory cost**
- High and low pressure gas and liquid containment capability...**Allows for convenient equipment shut down and secondary containment safety in light hydrocarbon and crude oil service**
- Non-contacting face design... **Assures low face temperature, low torque and extremely long seal life**
- Design laboratory tested in air, water, nitrogen, light hydrocarbons, ISO 32 oil, diesel fuel and crude oil...**Assures valid backup seal operational performance over wide range of fluids.** Test reports available on request. Low emission design... **Meets today's emission requirements at vapor disposal system back pressures below 25 psi**
- Can be used as a primary low emission seal...**For low pressure blowers and vertical sump pumps**
- Available as a cartridge...**Provides for simple and accurate seal installation**

Materials of Construction

- Metal Parts: Corrosion Resistant Stainless Steel
- Rotating Face: Carbon
- Stationary Face: Silicon Carbide
- Gasketing: Fluoroelastomer, Perfluoroelastomer
- Springs: Alloy C-276

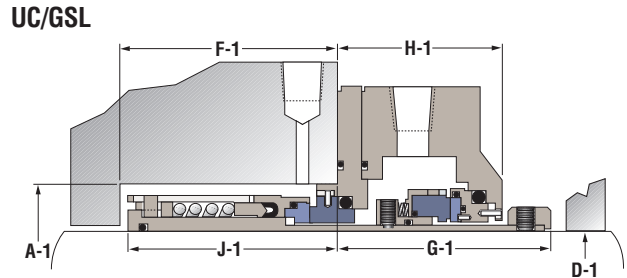
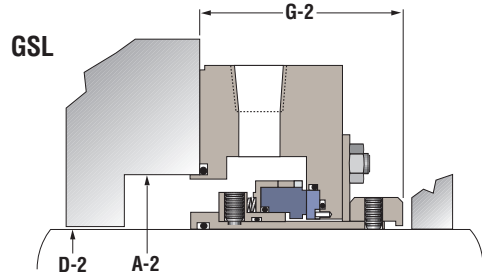
Operating Parameters

- Design Operating Pressure:
Gas/Liquid Containment: 0 to 600 psi (0 to 4137 kPa)
- Seal Chamber Temperature: -40°F (-40°C to 204°C)*
- Specific Gravity:
Liquid Backup: .45 Min. (water = 1.00)
- Shaft Sizes: 1" TO 6" (25.4mm TO 152.4mm)
- Surface Speed: 5 to 100 ft/sec (1.5 to 30.5 m/sec)



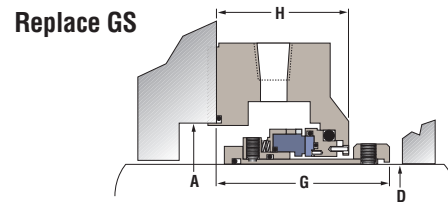
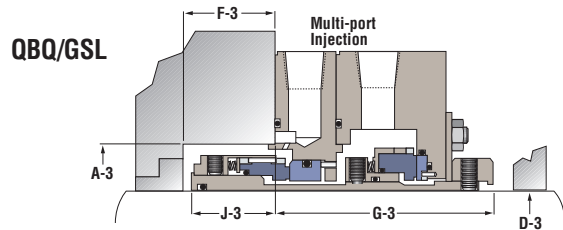
*Depending on materials selected

BW Seals
Durametallic Seals
Pacific Wietz Seals
Pac-Seal



Dimensional Data

Inches			Millimeters			Inches						Millimeters								
A-2	D-2	G-2	Seal Size	A-2	D-2	G-2	A-1	D-1	F-1	G-1	H-1	J-1	Seal Size	A-1	D-1	F-1	G-1	H-1	J-1	
Min	Max			Min	Max		Min	Max					GSL	Min	Max					
2.594	1.062	2.594	1500	65.89	26.97	65.89	2.188	1.062	3.062	3.094	2.250	2.938	1500	1375	55.58	26.97	77.77	78.59	57.15	74.63
2.984	1.250	2.562	1750	75.79	31.75	65.07	2.500	1.250	4.062	3.094	2.250	3.938	1750	1625	63.50	31.75	103.17	78.59	57.15	100.03
3.109	1.375	2.906	1875	78.97	34.93	73.81	2.688	1.500	3.344	3.813	2.812	3.219	2000	1875	68.28	38.10	84.94	96.85	71.42	81.76
3.250	1.500	2.938	2000	82.55	38.10	74.63	2.938	1.562	3.531	4.156	3.031	3.406	2125	2062	74.63	39.67	89.69	105.56	76.99	86.51
3.375	1.562	3.375	2125	85.73	39.67	85.73	3.125	1.812	3.344	4.188	3.062	3.219	2375	2250	79.38	46.02	84.94	106.38	77.77	81.76
3.719	1.812	3.375	2375	94.46	46.02	85.73	3.625	2.062	3.844	4.156	3.031	3.719	2625	2625	92.08	52.37	97.64	105.56	76.99	94.46
3.875	2.062	3.375	2625	98.43	52.37	85.73	3.938	2.375	4.344	4.219	3.094	4.219	2875	2875	100.03	60.33	110.34	107.16	78.59	107.16
4.297	2.375	3.406	2875	109.14	60.33	86.51	4.312	2.750	4.375	4.500	3.156	4.250	3437	3250	109.52	69.85	111.13	114.30	80.16	107.95
4.594	2.625	3.562	3250	116.69	66.68	90.47	4.812	3.125	4.406	4.469	3.125	4.281	3625	3625	122.22	79.38	111.91	113.51	79.38	108.74
4.812	2.750	3.562	3437	122.22	69.85	90.47	4.938	3.250	4.750	4.938	3.594	4.625	3750	3750	125.43	82.55	120.65	125.43	91.29	117.48
5.000	3.125	3.500	3625	127.00	79.38	88.90	5.125	3.500	4.719	4.531	3.188	4.594	4000	4000	130.18	88.90	119.86	115.09	80.98	116.69
5.171	3.250	3.969	3750	131.34	82.55	100.81	5.625	3.750	4.688	4.719	3.312	4.562	4437	4312	142.88	95.25	119.08	119.86	84.12	115.87
5.391	3.500	3.562	4000	136.93	88.90	90.47	5.812	4.000	4.719	4.719	3.312	4.594	4625	4500	147.62	101.60	119.86	119.86	84.12	116.69
5.594	3.750	3.625	4437	142.09	95.25	92.08	7.625	5.438	6.562	6.688	3.281	6.438	6000	6000	193.68	138.13	166.67	119.08	83.34	163.53
5.875	4.000	3.625	4625	149.23	101.60	92.08	8.125	5.938	6.688	4.594	3.375	6.562	6500	6500	206.38	150.83	169.88	116.69	85.73	166.67
6.438	4.562	3.625	5250	163.53	115.87	92.08														
7.500	5.438	3.969	6000	190.50	138.13	100.81														
7.969	5.938	3.969	6500	202.41	150.83	100.81														



Dimensional Data

Inches					Millimeters					Inches				Millimeters									
A-3	D-3	F-3	G-3	J-3	A-3	D-3	F-3	G-3	J-3	A	D	G	H	Seal Size	A	D	G	H					
Min	Max				Min	Max				Min	Max				Min	Max							
2.344	0.938	0.125	3.250	1.188	1500	1500	59.54	23.83	3.18	82.55	30.18			2.719	1.062	2.812	2.125	1500	69.06	26.97	71.42	53.98	
2.719	1.125	1.313	3.281	1.500	1750	1750	69.06	28.58	33.35	83.34	38.10			3.094	1.250	2.812	2.125	1750	78.59	31.75	71.42	53.98	
2.844	1.250	1.625	3.688	1.500	1875	1875	72.24	31.75	41.28	93.88	38.10			3.219	1.375	3.312	2.625	1875	81.76	34.93	84.12	66.68	
2.969	1.375	1.625	3.719	1.500	2000	2000	75.41	34.93	41.28	94.46	38.10			3.344	1.500	3.469	2.688	2000	84.94	38.10	88.11	68.28	
3.094	1.500	1.625	4.031	1.562	2125	2125	78.59	38.10	41.28	102.39	39.67			3.438	1.562	3.812	2.906	2125	87.33	39.67	96.82	73.81	
3.375	1.750	1.687	4.156	1.562	2375	2375	85.73	44.45	42.85	105.56	39.67			3.719	1.812	3.844	2.938	2375	94.46	46.02	97.64	74.63	
3.766	2.000	1.687	4.219	1.812	2625	2625	95.66	50.80	42.85	107.16	46.02			4.031	2.062	3.812	2.906	2625	102.39	52.37	96.82	73.81	
4.047	2.312	1.937	4.250	1.812	2875	2875	102.79	58.72	49.20	107.95	46.02			4.297	2.375	3.875	2.969	2875	109.14	60.33	98.43	75.41	
4.312	2.562	1.937	4.406	1.812	3125	3250	109.52	65.07	49.20	111.91	46.02			4.656	2.625	4.094	3.094	3250	118.26	66.68	103.99	78.59	
4.438	2.688	1.937	4.406	1.812	3250	3437	112.73	68.28	49.20	111.91	46.02			4.812	2.750	4.094	3.031	3437	122.22	69.85	103.99	76.99	
4.828	3.062	1.937	4.469	1.812	3625	3625	122.63	77.77	49.20	113.51	46.02			5.125	3.125	4.062	3.000	3625	130.18	79.38	103.17	76.20	
4.953	3.188	1.937	4.938	1.812	3750	3750	125.81	80.98	49.20	125.43	46.02			5.172	3.250	4.531	3.469	3750	131.37	82.55	115.09	88.11	
5.219	3.438	1.937	4.531	1.812	4000	4000	132.56	87.33	49.20	115.09	46.02			5.438	3.500	4.125	3.062	4000	138.13	88.90	104.78	77.77	
5.500	3.688	1.937	4.656	1.875	4250	4437	139.70	93.68	49.20	118.26	47.63			5.750	3.750	4.250	3.188	4437	146.05	95.25	107.95	80.98	
5.844	3.938	2.000	4.688	1.875	4500	4625	148.44	100.03	50.80	119.08	47.63			5.969	4.000	4.250	3.188	4625	151.61	101.60	107.95	80.98	
6.484	4.500	2.000	4.688	1.875	5125	5250	164.69	114.30	50.80	119.08	47.63			7.500	5.438	4.219	3.156	6000	190.50	138.13	107.16	80.16	
7.656	5.375	2.000	5.031	2.062	6000	6000	194.46	136.53	50.80	127.79	52.37			8.062	5.938	4.312	3.250	6500	204.77	150.83	109.52	82.55	
8.172	5.875	2.187	5.062	2.062	6625	6500	207.57	149.23	55.55	128.57	52.37												

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Primary Worldwide Flow Solutions Division Locations

Licensees, authorized agents, and affiliated companies located worldwide.

United States
Kalamazoo, MI
Phone 616-381-2650
Fax 616-381-8368

Temecula, CA
Phone 909-676-5662
Fax 909-308-4495

Canada
Edmonton, Alberta
Phone 708-463-7958
Fax 708-450-1241

Scarborough, Ontario
Phone 416-292-2877
Fax 416-292-5190

Netherlands
Roosendaal
Phone 31-165-581-400
Fax 31-165-552-622

Argentina
Mendoza
Phone 54-261-427-2300
Fax 54-261-427-2524

Singapore
Phone 65-746-4318
Fax 65-747-1963

Mexico
Tlaxcala
Phone 52-2-461-6791
Fax 52-2-461-6847

Brazil
Sao Paulo
Phone 55-11-4066-8600
Fax 55-11-4066-7014

Japan
Osaka
Phone 81-720-85-5571
Fax 81-720-85-5575

Germany
Dortmund
Phone 49-231-6964-0
Fax 49-231-6964-248

Australia
Marayong NSW
Phone 61-2-8822-7100
Fax 61-2-9679-7511

www.flowserve.com