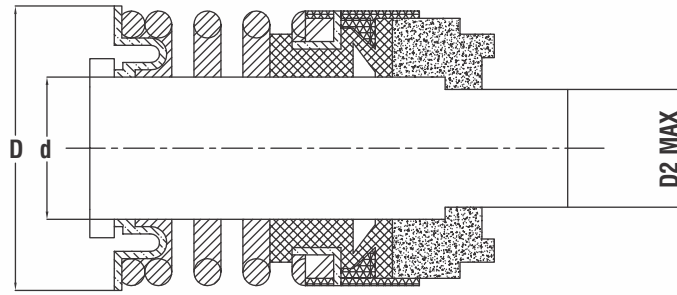


RS1B

BALANCED SINGLE SEAL FOR HIGH PRESSURE



d (in)	D2	D	L
1.000	0.875	1.500	1.875
1.125	1.000	1.625	1.937
1.250	1.125	1.812	1.937
1.375	1.250	1.875	2.000
1.500	1.375	2.000	2.000
1.625	1.500	2.250	2.375
1.750	1.625	2.375	2.375
1.875	1.750	2.500	2.500
2.000	1.875	2.625	2.500
2.125	2.000	2.812	2.750
2.250	2.125	2.937	2.750
2.375	2.250	3.062	2.875
2.500	2.375	3.187	2.875
2.625	2.500	3.375	3.125
2.750	2.625	3.500	3.125
2.875	2.750	3.625	3.250
3.000	2.875	3.750	3.250
3.125	2.875	4.000	3.500
3.250	3.000	4.125	3.500
3.375	3.125	4.250	3.500
3.500	3.250	4.375	3.500
3.625	3.375	4.500	3.625
3.750	3.500	4.625	3.625
3.875	3.750	4.750	3.750
4.000	3.750	4.875	3.750



FEATURES & BENEFITS:

- ▶ Balanced face designs allow for higher pump pressures
- ▶ Machined head available to withstand more rigorous conditions
- ▶ Antimony impregnated Carbon faces improve durability & heat dissipation
- ▶ Bellows design enhances alignment capabilities & help compensate for face wear
- ▶ Bi-Directional
- ▶ Torque of pump shaft drives through machined drive band & notches
- ▶ Rugged single spring minimizes clogging in stuffing box
- ▶ Multiple face & Elastomer choices.

OPERATING LIMITS:

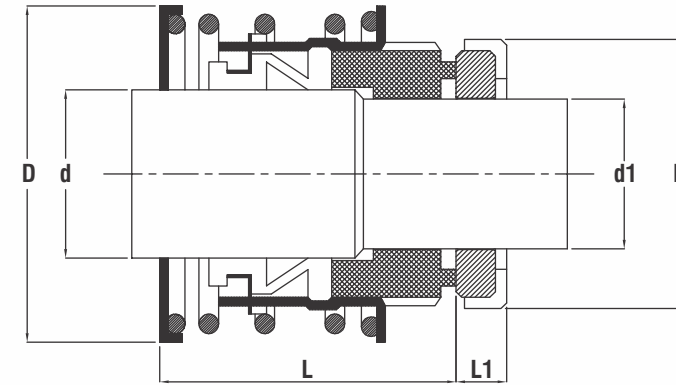
- ▶ Pressure: Upto 1200 psi (82 Bar g)
- ▶ Temperature: -40°F to +400°F (-40°C to 204°C)

STANDARD MATERIALS OF CONSTRUCTION:

- ▶ **Balanced Faces:**
 - ▶ Antimony - Impregnated Carbon, Silicon Carbide, Tungsten Carbide
- ▶ **Elastomers:**
 - ▶ Buna, Viton®, Aflas®, Neoprene, EPDM
- ▶ **Metallurgy:**
 - ▶ 304, 316, Monel

RS2B

BALANCED ELASTOMER DIAPHRAGM SEAL



TYPE 2B DIMENSIONAL DATA (INCHES):

Seal Size/D1 (inches)	D2	D3	D4	L3	L65
1.000	0.875	1.812	2.000	1.312	0.343
1.125	1.000	1.937	2.125	1.375	0.343
1.250	1.125	2.062	2.250	1.375	0.343
1.375	1.250	2.250	2.437	1.437	0.343
1.500	1.375	2.375	2.562	1.437	0.343
1.625	1.500	2.718	2.937	1.750	0.437
1.750	1.625	2.750	3.062	1.750	0.437
1.875	1.750	2.875	3.187	1.875	0.437
2.000	1.875	3.000	3.312	1.875	0.437
2.125	2.000	3.250	3.625	2.062	0.500
2.250	2.125	3.375	3.750	2.062	0.500
2.375	2.250	3.500	3.875	2.187	0.500
2.500	2.375	3.625	4.000	2.187	0.500
2.625	2.500	3.875	4.312	2.312	0.562
2.750	2.625	4.000	4.437	2.312	0.562
2.875	2.750	4.125	4.562	2.437	0.562
3.000	2.875	4.250	4.687	2.437	0.562
3.125	2.875	4.562	5.000	2.562	0.625
3.250	3.000	4.687	5.125	2.562	0.625
3.375	3.125	4.812	5.250	2.562	0.625
3.500	3.250	4.937	5.500	2.562	0.625
3.625	3.375	5.125	5.687	2.687	0.625
3.750	3.500	5.250	5.812	2.687	0.625
3.875	3.625	5.437	6.000	2.812	0.625
4.000	3.750	5.562	6.125	2.812	0.625



FEATURES & BENEFITS:

- ▶ Mechanical Drive - Eliminates over stressing of the elastomer bellows.
- ▶ Self Aligning Capability - Automatic adjustment compensates for abnormal shaft end play runout, primary ring wear & equipment tolerances.
- ▶ Special Balancing - Allows operation at higher pressures.
- ▶ Non-Clogging, Single Coil Spring - Not affected by build up of solids.

OPERATING LIMITS:

- ▶ **Pressure:**
 - ▶ 2B: upto 83 bars g/1200 psig
- ▶ **Temperature:**
 - ▶ -40°F to 400°F / -40°C to 205°C (depending on material used)

MATERIALS OF CONSTRUCTION:

SEAL COMPONENTS	MATERIALS	
	STANDARD	OPTIONS
Face / Primary Ring	Carbon	Antimony - Impregnated Carbon Tungsten Carbide Silicon Carbide
Retainer Drive Band Disc Spring Holder	18-8 Stainless Steel	Monel® Alloy 20 CB-3 Stainless Steel 316 Stainless Steel
Bellows	Buna-N	Aflas® Fluoroelastomer Ethylene Propylene Neoprene® (Chloroprene)
Springs	18-8 Stainless Steel	Monel Alloy 20 CB-3 Stainless Steel 316 Stainless Steel