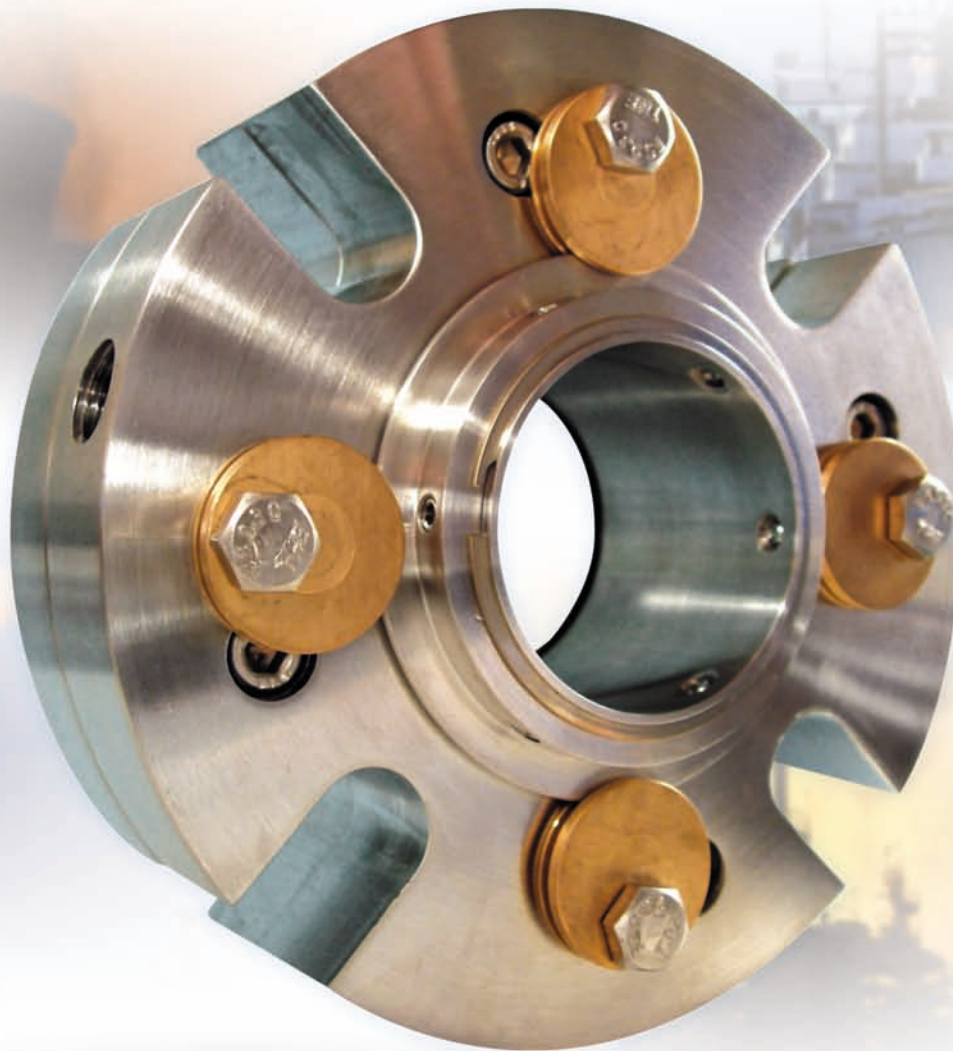
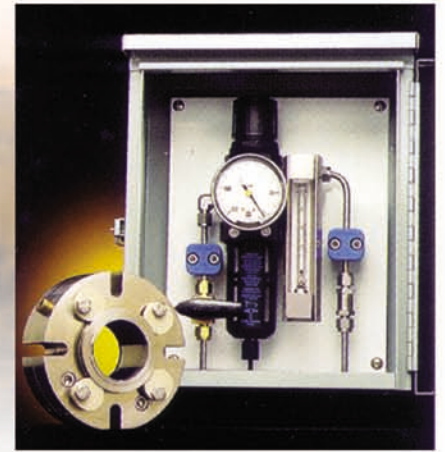


# **Model 800**

Single Stationary Gas Seal

*Double Seal Reliability  
In a Single Seal Design*



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# ASI Model 800

The ASI Model 800 provides a zero-emissions, single seal solution to many problematic dry-run and environmentally sensitive service requirements. The Model 800's design directs gas pressure through the stationary seat and positions it between the seal faces. The dual-channel rotary face subsequently delivers complete seal face "lift-off" while engaging two active gas seals on one face. This lift-off eliminates face contact (and ensuing heat and wear), increasing seal life and reducing maintenance costs. Additionally, the Model 800's utilization of binary mating surfaces shortens the seal's operating length, allowing it to operate at higher pressures and accommodate a wider range of service equipment than conventional seal designs.

## Materials of Construction:

### Metal Components

Metal Seal Components- 316ss  
 Standard Springs- Hastelloy® C  
 Standard Set Screws- 316ss

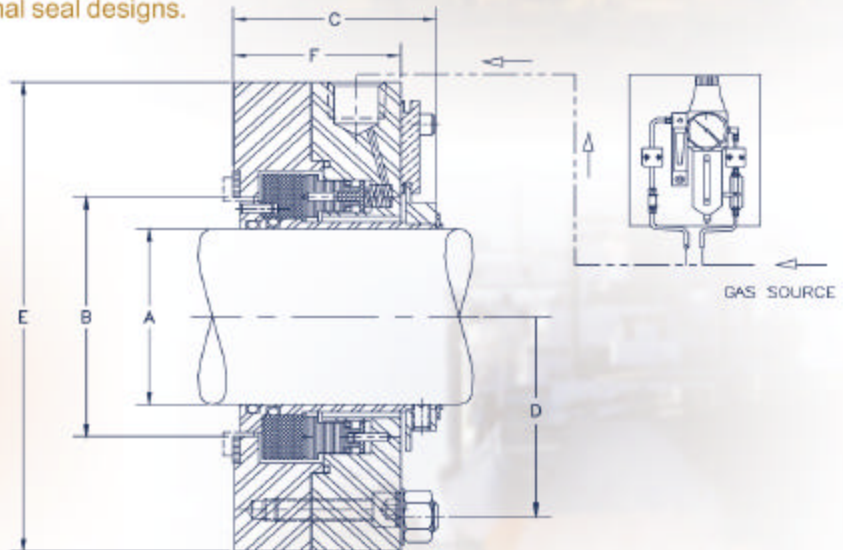
### Face Materials

Stationary Face- Carbon Graphite<sup>1</sup>  
 Rotary Face- Silicon Carbide

### Secondary Materials

Dynamic- Low Friction PTFE Lip Seals  
 Standard O-ring Materials- Fluorocarbon<sup>1</sup>

<sup>1</sup>Other Materials May Be Specified



## Dimensional Data

A	B		C	D (bolting min/max)						E	F
	min	max		3/8" studs		1/2" studs		5/8" studs			
1.000	1.25	1.86	1.69	2.63	3.63	-	-	-	-	4.00	120
1.125	1.38	1.86	1.69	2.63	3.63	-	-	-	-	4.00	122
1.250	1.50	2.11	1.72	2.88	4.00	3.00	3.88	-	-	4.38	124
1.375	1.63	2.11	1.72	2.88	4.00	3.00	3.88	-	-	4.38	126
1.500	1.75	2.61	1.89	3.37	4.37	3.50	4.25	-	-	4.75	128
1.625	1.88	2.61	1.89	3.37	4.37	3.50	4.25	3.63	4.13	4.75	130
1.750	2.00	2.99	2.06	3.75	5.13	3.88	5.00	4.00	4.13	5.50	132
1.875	2.13	2.99	2.06	3.75	5.13	3.88	5.00	4.00	4.88	5.50	134
2.000	2.25	3.10	2.13	3.88	5.13	4.00	5.50	4.12	4.88	5.50	136
2.125	2.38	3.48	2.19	4.25	5.63	4.38	5.50	4.50	5.38	6.00	138
2.250	2.50	3.48	2.19	4.25	5.63	4.38	6.00	4.50	5.38	6.00	140
2.375	2.63	3.97	2.54	4.75	6.13	4.88	6.00	5.00	5.88	6.50	142
2.500	2.75	3.97	2.54	4.75	6.13	4.88	6.00	5.00	5.88	6.50	144

## Available Control Panel

Standardly equipped with ball valve, pressure gauge, check valve, flow meter, integrated filter and regulator, this self-contained control panel (required for equalized gas pressure) maintains filtered gas pressure at 20 to 30 psi above the maximum stuffing box pressure.

## Reliable Seal Performance

Extensively lab and field-tested, the Model 800 provides reliable gas seal performance with zero emissions and also maintains conventional seal operation under "loss of gas" situations.

## Application Versatility

The Model 800 service range includes caustic, toxic, dry running and hazardous applications, including those which are sensitive to the environment.

