

# Flanged Flooded Design – FS-360

## Standard Operating Parameters

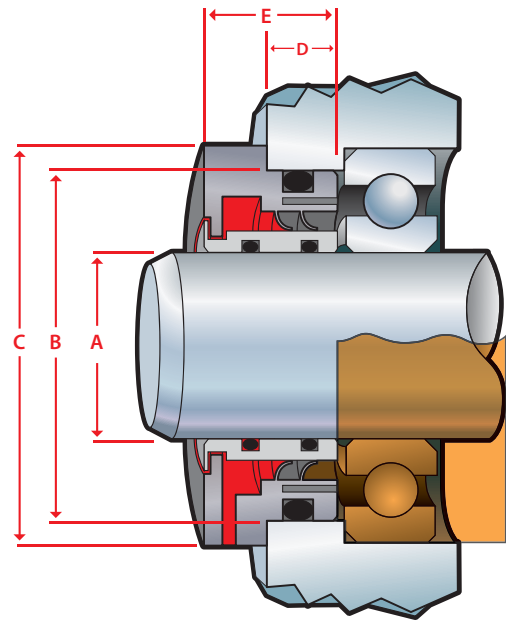
Total Eccentricity: .003" (.08 mm)  
 Shaft Speed: Up to 5,000 fpm<sup>1</sup> (25 m/s)  
 Pressure: 5 psi (.344 bar)  
 Temperature Range: -40 to 250 F (-40 to 121 C)  
 Axial Movement: .003" (.08 mm)  
 Shaft / Bore Tolerances: ± .002" (± .05 mm)  
 Special designs available

**Seal Material:**

Standard Proprietary PTFE and SS Sleeve  
 Optional Food grade PTFE and SS Sleeve  
 Anti microbial PTFE and SS Sleeve  
 FDA 3A PTFE and SS Sleeve

**O-Ring Material:**

Standard FKM  
 Optional NBR, FDA silicone, EPDM, Aflas®



MOUNTING		LUBRICATION		
	Position	Grease	Oil	Dry
Horizontal	Y	Y	Y	Y
Vertical Up	Y*	Y	Y	Y
Vertical Down	Y	Y	Y	Y

\*For Vertical Up, contact factory if contaminant level is high

**Retain Exclude Equipment**

Grease, oil splash, oil mist or oil flooded  
 Heavy water spray and dry contaminants from bearing cavity  
 Ideal for equipment used in food processing or subjected to frequent wash down where positive oil retention is required. Flooded oil or severe splash retention for gearboxes, motors, pumps, mixers, cooling towers, aerators and custom equipment

STANDARD DIMENSIONS					
Type	"A" Shaft Diameter Range Inch	"B" Bore Diameter Range Is Shaft Diameter "A" + Min-Max	"C" Flange Diameter = "B"+	"D" In Bore Depth	"E" Overall Seal Width
FSE	0.500 – 3.000	0.750 – 1.500	0.250	0.313	0.688
FSE	3.001 – 6.000	0.750 – 1.500	0.250	0.375	0.750
FSE	6.001 – 10.000	0.874 – 1.500	0.250	0.438	0.813

Type	"A" Shaft Diameter Range Metric	"B" Bore Diameter Range Is Shaft Diameter "A" + Min-Max	"C" Flange Diameter = "B"+	"D" In Bore Depth	"E" Overall Seal Width
FSM	13.0 – 76.0	19.0 – 40.0	6.0	8.0	17.0
FSM	76.1 – 152.0	19.0 – 40.0	6.0	9.0	18.0
FSM	152.1 – 250.0 <sup>2</sup>	24.0 – 40.0	6.0	11.0	20.0

<sup>1</sup> Contact factory for speeds over 3,000 fpm (25 m/s)  
<sup>2</sup> Contact factory for requirements outside of standard dimensions listed above  
 Note: Cross Section = (Bore – Shaft) / 2