

# PUR-GARD™

## Garlock KLOZURE® Bearing Isolator

PUR-GARD™ bearing isolators offer the ultimate rotating equipment sealing solutions for the food processing industry. Manufactured with materials that are FDA compliant, metal detectable and x-ray inspectable while utilizing a patented IP66 design, PUR-GARD™ is a revolutionary seal that combines improved safety and overall process purity with cost savings through extended equipment and bearing life.

### BENEFITS

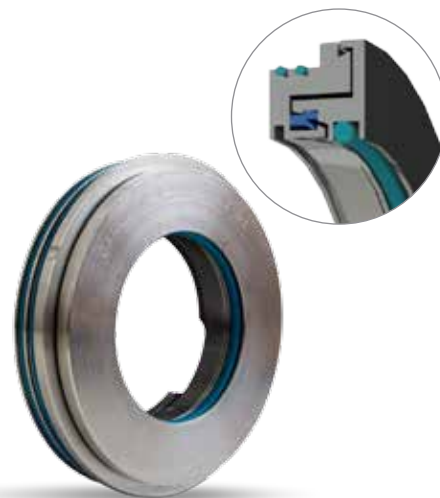
- » Patented labyrinth design provides bearing protection even in the most challenging environments, extending the life of rotating equipment
- » Unitized construction will not come apart during installation
- » IP66 in most common design configurations
- » Non-contacting design reduces shaft drag and energy consumption
- » Available in a broad range of configurations
- » Substantially reduced installation time - NO ARBOR PRESS NEEDED
- » No metal-to-metal contact
- » Metal detectable and x-ray inspectable

### TYPICAL APPLICATION

- » Rotating equipment (pumps, motors, gearboxes) exposed to heavy wash down and/or zone 1 and 2 applications

### DESIGN PARAMETERS

- » Temperature: -22°F (-30°C) to 400°F (204°C)
- » Shaft to bore misalignment: ±0.020" (0.51 mm)
- » Axial motion to ±0.015" (0.38mm)
- » Surface speed: to 12,000 FPM Max. (60.9 m/s)
- » Pressure: Ambient
- » Non-contact labyrinth seal design



### PATENTED CAM-LOCK O-RING GROOVE DESIGN

The patented Cam-Lock design of PUR-GARD™ provides excellent bore retention while allowing easy installation by hand, without the need for an arbor press.

### MATERIAL OF CONSTRUCTION

- » 316 stainless steel rotor and stator
- » Patented DETECTOMER® FKM o-rings

### GARLOCK PATENTED UNITIZING RING

PUR-GARD™ bearing isolators employ a patented unitizing ring to eliminate metal-to-metal contact between the rotor and stator.

### BEARING ISOLATOR CONFIGURATIONS

Offered in various configurations for a perfect fit to your equipment.

	PUR-GARD™
Flanged	IP66
Small Cross Section	IP66
Flangeless Narrow Width	IP55
Flangeless	IP55
Split Pillow Block	IP66
Step Shaft	IP66
Vertical	IP66
Split Option	IP66

DETECTOMER® Patents 7,390,580 & 9,701,827

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