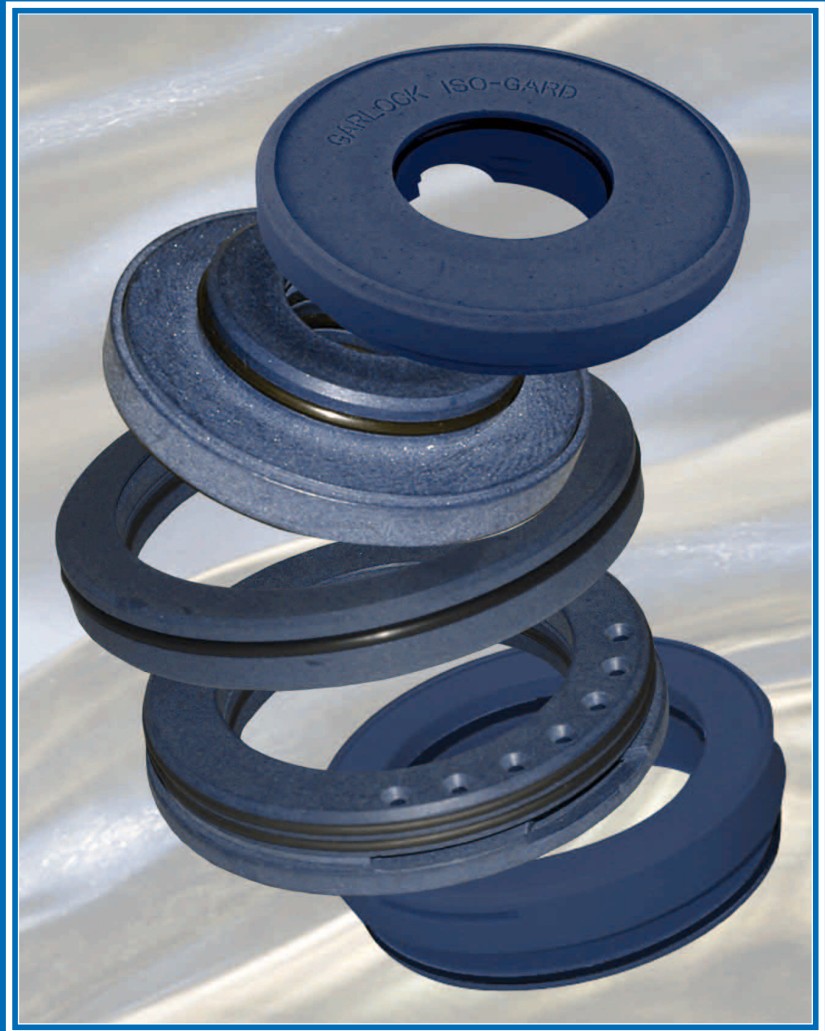

ISO-GARD® FAMILY OF BEARING ISOLATORS

Optimize bearing life and seal in your profits



Standard Design ✓

Vertical Design ✓

Flangeless ✓

Grease-Purgeable ✓

Split Pillow Block ✓

Garlock

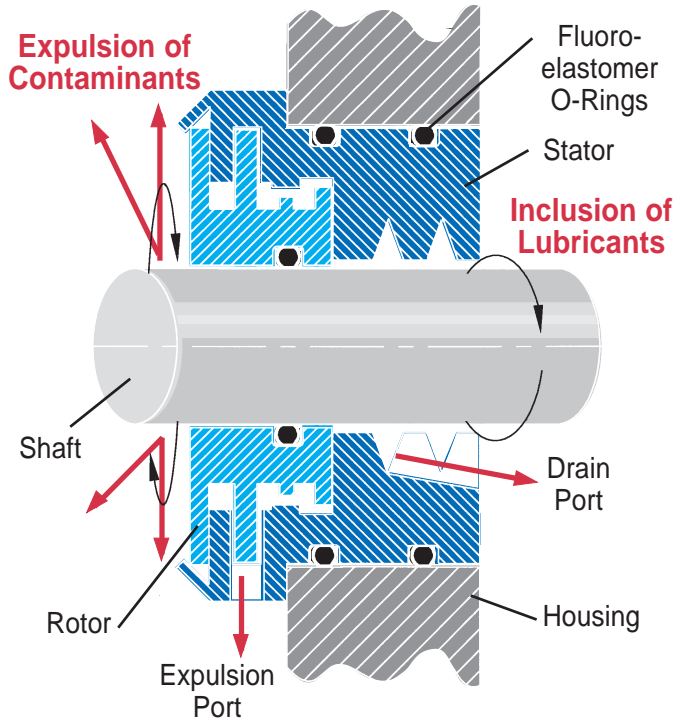
SEALING TECHNOLOGIES®

Optimize Bearing Life with the

Standard ISO-GARD®

- ▶ The most aggressive labyrinth in the industry, for superior contaminant exclusion
- ▶ Two-piece unitized construction won't come apart during installation
- ▶ Supports predictive maintenance programs and reduces unscheduled downtime
- ▶ PTFE material provides excellent chemical resistance and wide temperature capability
- ▶ Non-contact design eliminates shaft scoring, drag and frictional heat—no lubrication required
- ▶ Press-fit design means easy installation—no tools required
- ▶ Performs in accordance with NEMA MGI as required by IEEE Std. 841
- ▶ Constructed of FDA-compliant, glass-filled PTFE material†
- ▶ Flangeless design available

ISO-GARD® Operation



Specifications

| | |
|---------------------------------|-------------------------------------|
| Material: | Blue, glass-filled PTFE |
| Temperature: | -40°F to +400°F (-40°C to 204°C) |
| Surface speed: | To 4,500 fpm (22.9 m/s) |
| Axial motion: | ±0.015" (0.38 mm) |
| Misalignment and runout: | ±0.020" (0.50 mm) |
| Pressure: | Ambient* |

* 5 psi for Grease-Purgeable ISO-GARD®

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury.

Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing.

While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice.

Typical Applications

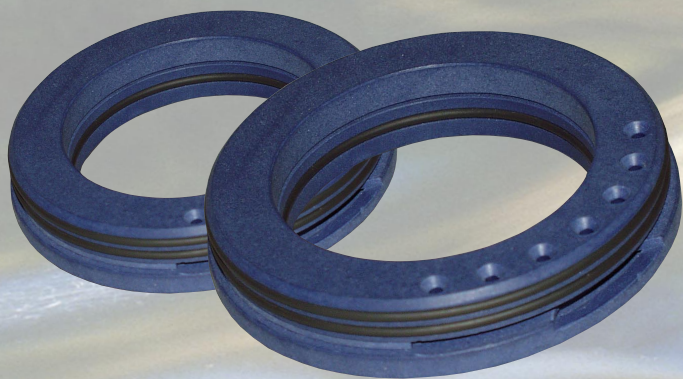
- ▶ Ideal alternative to radial lip seals in non-flooded oil, or grease applications:
 - Pump bearing frames
 - Turbines
 - Electric motors
 - Spindles
 - Gear boxes
 - Bowl mills
 - Blowers

† Available with FDA-compliant O-rings.

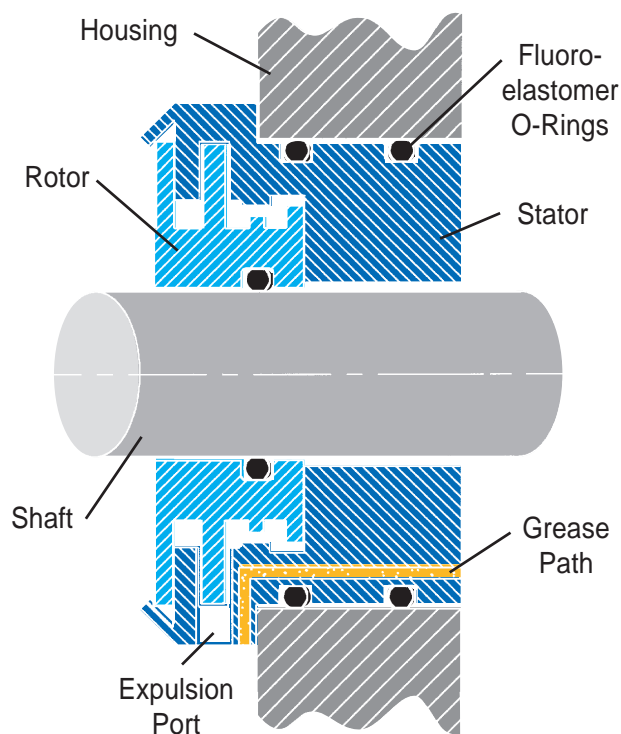
ISO-GARD[®] Bearing Isolator Family

ISO-GARD[®] GP

- ▶ Versatile seal protects critical bearings in both purging and sealed operating environments
- ▶ Special design retains lubricants and excludes contaminants in grease purge system
- ▶ Grease purge is easy—no need to unseat the seal or disassemble the equipment
- ▶ Patented, aggressive holding feature keeps seal in place where you want it—in the bore

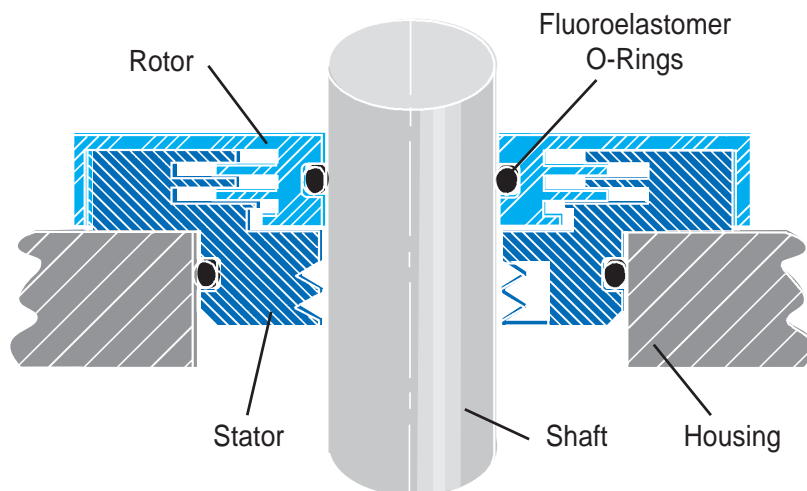


Grease Purge Design



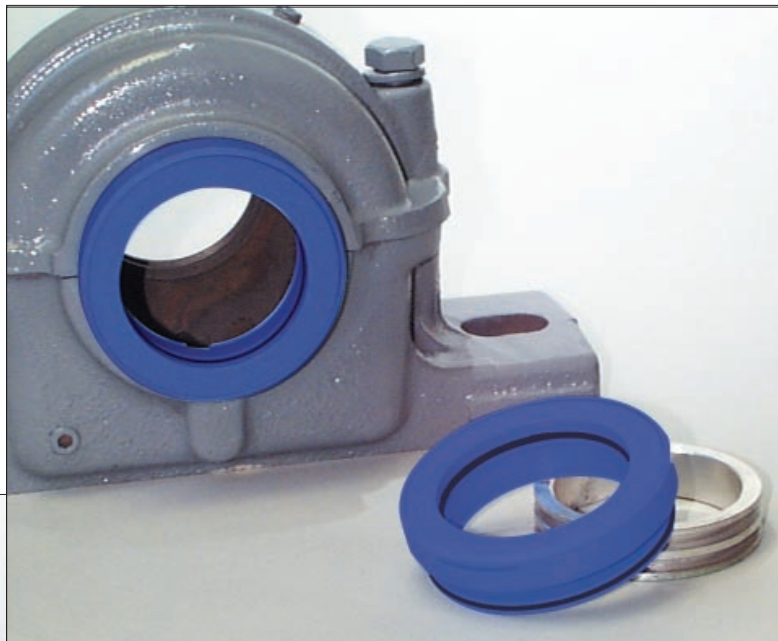
Vertical ISO-GARD[®]

- ▶ Versatile seal can be oriented vertically or horizontally; also can be reused
- ▶ Special design allows a water deluge from above for equipment cleaning without allowing water in bearing cavity
- ▶ Ideal for radial lip seal applications where optimal bearing life in mixers, agitators and other vertical applications is desired
- ▶ To be used as top seal only



ISO-GARD® Split Pillow Block

- ▶ Replaces LER (labyrinth excluder ring) or Taconite seals
- ▶ Requires no housing modifications—seals drop into existing grooves
- ▶ Reduces lubricant loss
- ▶ Standard SAF and SNH pillow block sizes available



ISO 9002-94
Cert. #001762

**Seal in your profits™
with Garlock KLOZURE®
bearing isolators**

AUTHORIZED DISTRIBUTOR



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