

EnDuro™

Oil Mist and Flooded Bearing Isolator

BOLD

NEW WORLD



**THE NEXT REVOLUTION IN
BEARING ISOLATOR TECHNOLOGY**

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company



Here, for you, our customer.

The Garlock family of companies encompasses worldwide locations which solve demanding applications large and small. We engineer and manufacture not only revolutionary bearing isolators, but also oil seals, mechanical seals, braided packing, metallic and non-metallic gaskets, hydraulic seals and expansion joints. With every Garlock seal, you can depend on receiving the backing of every team member and their “can do” attitude, high quality workmanship, and outstanding pride in a job done right. No matter what your difficult application may be, you can be rest assured that the Garlock family of companies has the solution. This is our promise, and that is why so many industry leaders rely on us.



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EnDuro™



EnDuro™ ...the bearing isolator you have been waiting for.

The EnDuro™ seal is the first and only bearing isolator designed for oil mist and flooded conditions. The patent pending EnDuro seal is a unique blend of traditional labyrinth seal technology and new revolutionary sealing technology. The combination results in a seal like no other; IP56 ingress protection while providing complete egress protection. To learn more about this new and exciting Garlock technology, please contact your local representative.

Construction: Stainless steel rotor, proprietary PTFE blend stator and Fluoroelastomer O-rings standard
Size range: 0.875" to 6.000" shaft diameter
Speed: 0 to 2000 f/m
Axial Motion: 0 to 0.015"
Shaft-to-Bore Misalignment: 0 to 0.005"
Internal lubrication level: Dry, Oil Mist or Submerged
Protection: to IP56
Internal Pressure: 0 to 7psi
Temperature: -22°F to 400°F

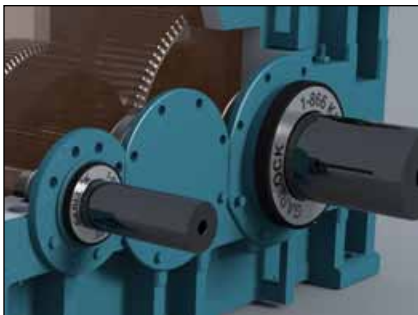
EnDuro™ in Action

APPLICATION: Cooling tower electric motor

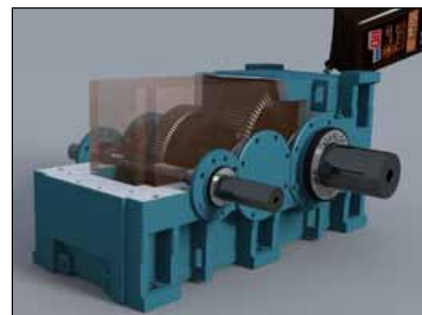
CUSTOMER: Large power generation utility

PROBLEM: For cooling towers, the electric motor is in vertical position. The upper and lower motor bearings were lubricated with a pressurized oil mist, which was leaking past the standard bearing isolator; the bottom seal was dripping and the top seal allowed mist to escape into the atmosphere. The leaking lubrication was not only an obvious environmental concern, but was also costing the user thousands in lost lubrication.

SOLUTION: Garlock designed and installed the EnDuro seal for both the top and bottom positions. The seal has been in service and providing superior results, generating remarks such as, "we are very impressed with this seal".



Close up of the EnDuro™ seal in a gear box



The EnDuro™ seal in a gear box with oil

AUTHORIZED REPRESENTATIVE

2008 RECIPIENT OF
ENVIRONMENTAL
PROTECTION AGENCY'S

**CLEAN
AIR**
Excellence
Awards

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.

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Auckland, New Zealand	Phone 64.9573.5651	Fax 64.9573.5636
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