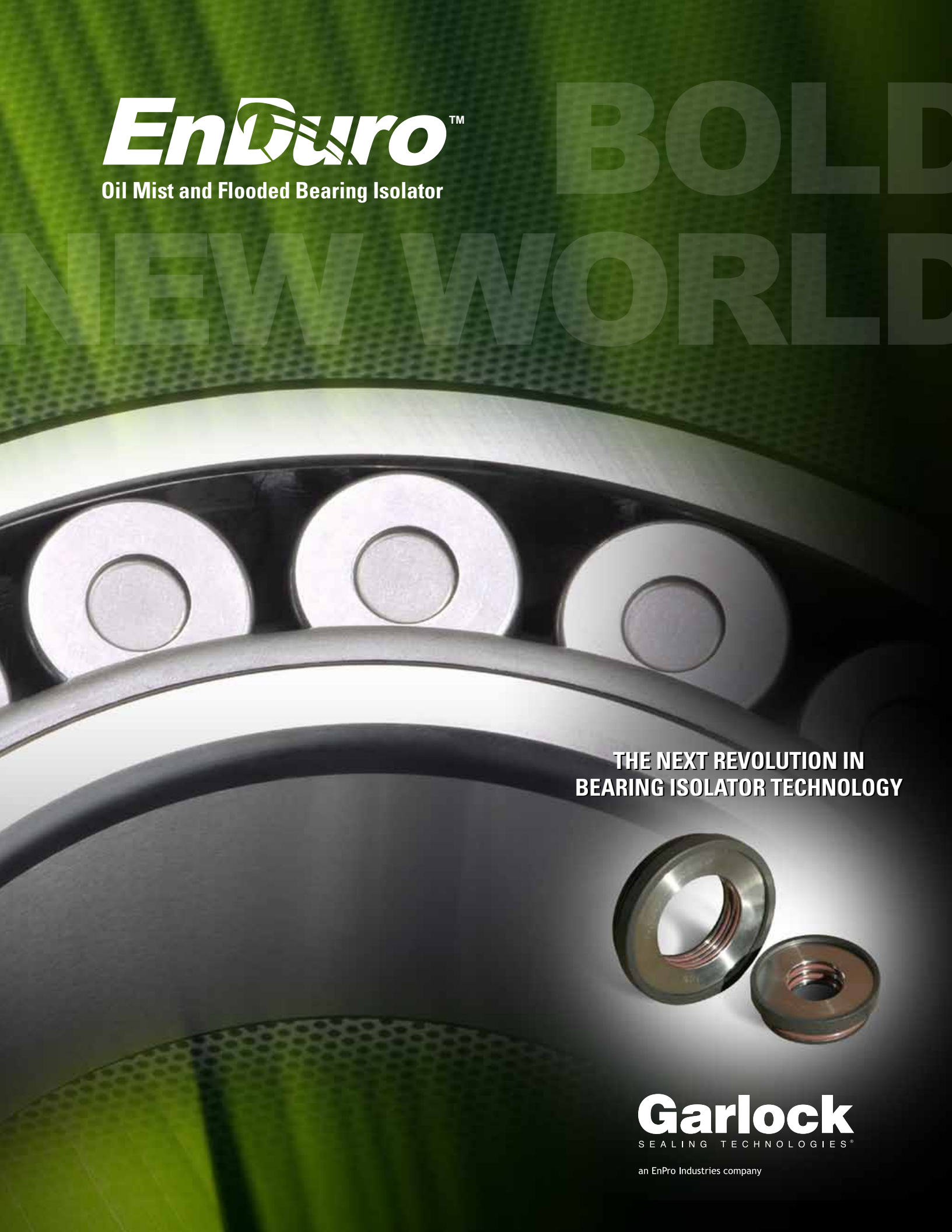
EnDuro™

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.


Bearing Isolators


Compression Packing


Rubber Products


Gasketing


Oil Seals


Mechanical Seals


Expansion Joints


Metallic Gasketing

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

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

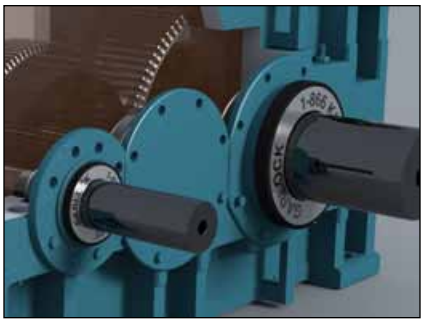
EnDuro™ in Action

APPLICATION: Cooling tower electric motor

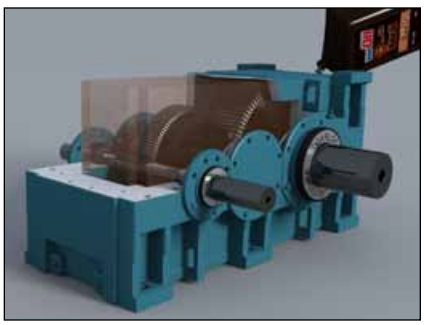
CUSTOMER: Large power generation utility

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

Visit **www.floodedisolator.com** for more information

AUTHORIZED REPRESENTATIVE

2008 RECIPIENT OF ENVIRONMENTAL PROTECTION AGENCY'S CLEAN AIR Excellence Awards

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

Garlock Sealing Technologies
1666 Division Street
Palmyra, New York 14522 USA
1-315-597-4811
1-800-448-6688
Fax: 1-800-543-0598
1-315-597-3039

www.garlock.com
www.flooded**isolator**.com

Other Garlock facilities are located in:

Columbia, SC, USA	Phone 1.803.783.1880	Fax 1.803.783.4279
Paragould, AR, USA	Phone 1.870.239.4051	Fax 1.870.239.4054
Houston, TX, USA	Phone 1.315.597.4811	Fax 1.315.597.3216
Denver, CO, USA	Phone 1.303.988.1242	Fax 1.303.988.1922
Sydney, Australia	Phone 61.2.9793.2511	Fax 61.2.9793.2544
Auckland, New Zealand	Phone 64.9573.5651	Fax 64.9573.5636
São Paulo, Brazil	Phone 55.11.4352.6161	Fax 55.11.4352.8181
Sherbrooke, Canada	Phone 1.819.563.8080	Fax 1.819.563.5620
W. Yorkshire, England	Phone 44.1422.313600	Fax 44.1422.313601
Saint-Étienne, France	Phone 33.4.7743.5100	Fax 33.4.7743.5151
Neuss, Germany	Phone 49.2131.3490	Fax 49.2131.349.222
Mexico City, Mexico	Phone 52.55.5078.4600	Fax 52.55.5368.0418
Singapore	Phone 65.6285.9322	Fax 65.6284.5843
Shanghai, China	Phone 86.021.64544412	Fax 86.021.34080906
Dubai, UAE	Phone 971.4.8833652	Fax 971.4.8833682
Pune, India	Phone 91.20.3061.6608	Fax: 91.20.3061.6699

KLZ 2:95 VIA-011/2010