



**INPRO/SEAL<sup>®</sup>**  
THE ORIGINAL BEARING ISOLATOR

[www.inpro-seal.com](http://www.inpro-seal.com)  
800-447-0524

# INPRO/SEAL BEARING ISOLATORS

## WHAT IS A BEARING ISOLATOR?

Simply put, it is a mechanical device that isolates a bearing from its environment, so that the bearing will be kept properly lubricated and uncontaminated throughout its projected design-life.

## WHY WOULD I USE AN INPRO/SEAL BEARING ISOLATOR?

By maintaining bearings under ideal (laboratory) operating conditions, rotating equipment will last five to ten times longer than without adequate bearing isolation. Pumps, motors, pillow blocks, fans, gearboxes and turbines are dramatically more reliable and productive. Costs of maintenance and operations go way down and productivity goes up.

## WHAT MAKES IT WORK?

The Inpro/Seal Bearing Isolator is manufactured in two parts; a rotor and a stator. The rotor revolves with the shaft, driven by a tightly fitting drive ring that is fixed to the shaft. It also has a stationary component that is fixed to the bearing housing with a press fit and O-ring gasket. The two pieces are assembled into a single unit and axially locked together by an O-ring insert. There is no contact between the rotor and stator while the Isolator is running.

## WHAT IS THE FUNCTION OF THE INTERNAL VBX O-RING?

When rotating equipment is cycled on and off, the heating and cooling of the bearing enclosure draws contamination from the outside environment into contact with the bearings. The internal Vapor Blocking Ring provides a barrier to that contamination, specifically humidity transfer into the bearing enclosure.

## HOW LONG WILL AN INPRO/SEAL LAST?

Since there is neither mechanical contact nor friction, heat or wear, the Inpro/Seal Bearing Isolator will outlast the bearings and other mechanical components of the rotating equipment it is designed to protect. Fifteen years of constant service is not long in the life of an Inpro/Seal Bearing Isolator.

## WHAT TYPES OF EQUIPMENT DO YOU PROVIDE PERMANENT BEARING PROTECTION FOR?

We provide permanent bearing protection for all kinds of rotating equipment. Some of our

more popular seal designs are used on **motors, pumps, pillow blocks, gearboxes, paper machine rolls, steam turbines, sleeve bearing motors and many other types of rotating equipment.**

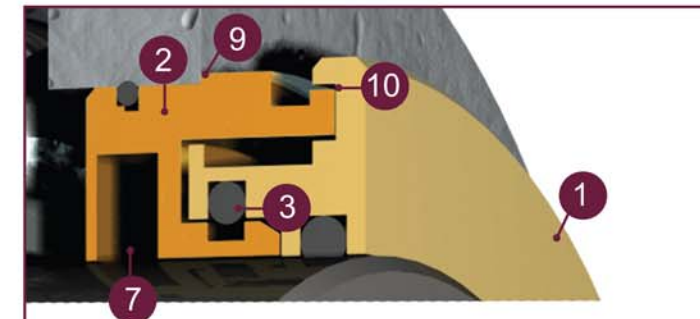
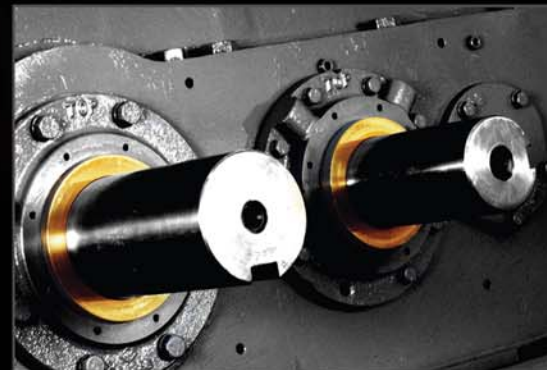
## HOW DO I ORDER AN INPRO/SEAL BEARING ISOLATOR?

Specify the inside, outside and over-all length dimensions. Measure the shaft, the housing bore and distance to first outside obstruction. We suggest making the stator O.D. one inch (or 25.4mm) over the shaft O.D. and an over-all axial length of .900 inches (or 23mm). We will, however, make it to any dimension that is convenient for you. In most cases, even if it is custom designed, it can be shipped the same day you order.

## WHAT IF I'M NOT SATISFIED WITH MY INPRO/SEAL BEARING ISOLATOR?

Inpro/Seal has an unconditional performance guarantee. If it is not working to your satisfaction, Inpro/Seal will either modify the Isolator or return your purchase price. Your complete satisfaction is important to us.

*Increase MTBF. Increase Reliability. Increase Energy Efficiency. Increase the Performance of all of your Rotating Equipment with Permanent Bearing Protection. Same Day Shipments and Split Construction Available.*

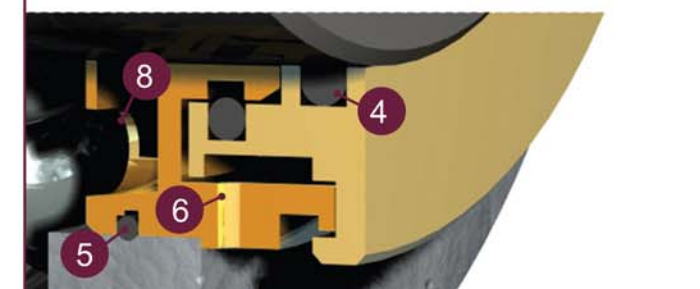


1-Rotor 2-Stator 3-"VBX" Ring

4-Rotor Drive Ring 5-Stator Gasket

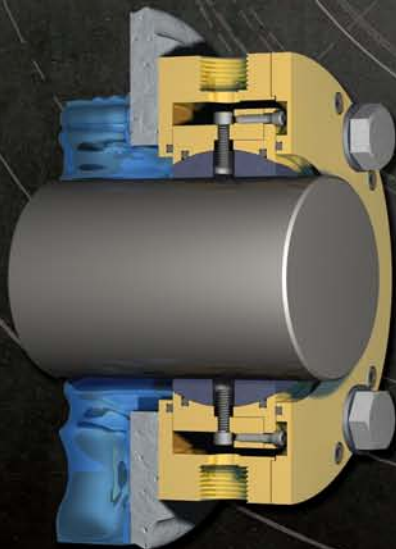
6-Expulsion Port 7-D Groove 8-Lube Return

9-Stop 10-VBXX Interface

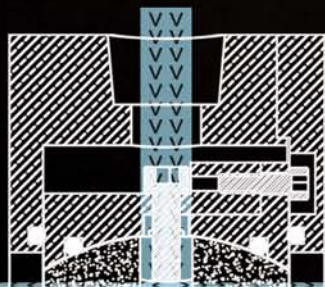


# INPRO/SEAL AIR MIZER

A COMPLETE AND REVOLUTIONARY SHAFT SEALING SOLUTION.



Inpro/Seal Smooth Bore Air Mizer  
cutaway with positive air purge  
Patent# 7,396,017



Inpro/Seal Air Mizers are the only non-contacting shaft sealing systems that are designed to last the lifetime of your equipment. Using a positive air purge to create a barrier for powders, liquids and bulk solids, the Inpro/Seal Air Mizer requires zero maintenance and no rebuild kits. Using minimal air consumption, it is a trouble free, energy efficient alternative to wear-prone face seals, radial contact seals and packing.

Able to accommodate extreme axial shaft displacement and radial shaft run-out, the Inpro/Seal Air Mizer will correct your shaft sealing issues. Available in split or solid construction. All seals are custom engineered to fit your exact requirements.

Inpro Seal Air Mizers are available for various applications such as: **Blenders/Mixers, Screw Conveyors, Rotary Valves, Augers, Bucket Elevators, Fans/Blowers, Cookers, Strainers, Clinker Grinders and many more.**



**INPRO/SEAL**

Best Products + Great Service = Happy Customers

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