



VBMAG[®]

Superior Sealing in Challenging Lubrication Environments

Lubrication conditions, such as flooded, high oil splash or oil mist present a difficult environment to efficiently seal against lubrication leakage. Lip seals are often used in these conditions as their contacting nature can handle pressurized systems. Lip seals wear quickly at the point of contact or groove the shaft, rendering them ineffective in a short period of time. Seal failure allows lubrication leakage and contamination ingress, two of the main causes of bearing failure. This leads to unscheduled downtime and high maintenance costs.

THE INPRO/SEAL VBMAG BEARING ISOLATOR IS PROVEN TO SEAL AGAINST LUBRICATION LOSS IN SEVERE LUBRICATION CONDITIONS.

The VBMag Bearing Isolator's unique design provides maximum protection against contamination ingress and lubrication leakage in difficult sealing conditions, including flooded, high oil splash and oil mist, with zero leakage.

VBMag Features:

- **Precision Lapped Sealing Faces:**
energized by rare earth magnets to create a liquid tight seal
 - **Rare Earth Magnets:**
distributed equally around the rotor to enable consistent face loading
- #### **Designed For Long Seal Life:**
- **Retaining Ring:**
unitizes components while allowing maximum lubrication to reach sealing faces
 - **Magnet Orientation:**
magnet placement prevents metal particles from reaching and damaging sealing faces
 - **Material Selection:**
compliant PTFE rotor rides against hard stainless steel stator for minimum heat generation



Cutaway VBMag Bearing Isolator

ADVANTAGES

Inpro/Seal VBMag Bearing Isolators:

- Provide liquid tight sealing in challenging lubrication environments.
- Are IP66 rated for superior contamination protection.
- Are a superior sealing solution for flooded or high oil splash gearbox applications.
- Are proven to seal in oil mist lubricated pumps.
- Do not groove or damage the shaft.
- Are maintenance free.



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