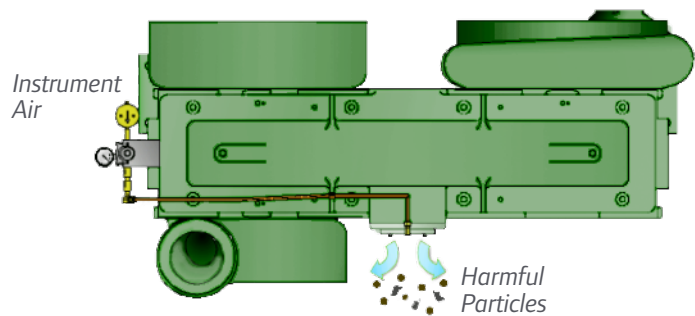


# Centrifugal Compressor Buffered Bullgear Oil Seal Kit

Our buffered bullgear oil seal kit prolongs operational life by preventing harmful particles from entering and damaging the bearing, as well as eliminating oil leakage.



## How Particulate Damage Can Happen

The internal cavity of the gear casing on MSG® TURBO-AIR® centrifugal compressors is maintained at vacuum pressure, meaning that the air pressure inside the gear casing is less than the atmospheric pressure outside of the compressor. This vacuum condition prevents lubricant oil from seeping out of the compressor through the bullgear bearing. However, in some industrial work environments, hard airborne particulate can be drawn into the compressor through the bullgear bearing and cause severe damage to the bearing and potentially other rotating components.

## Oil Seal Kit Benefits

The buffered bullgear oil seal kit prolongs bearing life by preventing harmful particles from entering and damaging it. The seal also maintains the benefits of the vacuum condition by preventing oil leakage through the bullgear bearing. This enhancement is currently available for MSG® TURBO-AIR® 3000 and 6000 compressors.

### Ordering Information

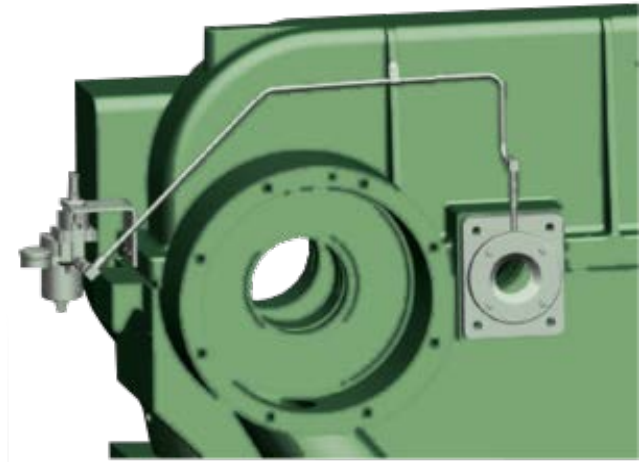
Part Number	Description
AAMB009950-00003	MSG TURBO-AIR 3000 retrofit
AAMB009950-00006	MSG TURBO-AIR 6000 retrofit

## How It Works.

The buffered bullgear oil seal kit uses dry instrument air to create an air buffer within the bullgear oil seal. Dry instrument air is injected into the bullgear oil seal to provide clean air to be drawn into the gear casing by the vacuum condition, and to repel harmful particulate from entering the bullgear bearing.

### The Retrofit Oil Seal Kit Includes:

- Bullgear oil seal
- Pressure regulator
- Pressure gauge
- Filter assembly
- Piping and fittings



MSG TURBO-AIR 3000 with oil seal kit



## CARE Maintenance Programs | RELIABILITY FOR LIFE

Compressed air is critical to your operation. A proper maintenance strategy is crucial to avoiding unplanned, unbudgeted downtime and production interruptions. By choosing an Ingersoll Rand CARE maintenance service program — from full risk transfer to routine maintenance or parts coverage — you are investing in your future with a trusted global partner.



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