

ZEOZORB Series Desiccant Breather for Industrial Applications

Protects gearbox lube oils and hydraulic oils from moisture and particulate contamination

- Extend the life cycle of your gearbox lube oil
- Minimize component wear, down time and repairs due to moisture or particulates
- Minimize oil oxidation, additive depletion foaming, and freezing due to moisture
- Maintain targeted ISO cleanliness codes
- Extend MTBF and reduce O&M costs

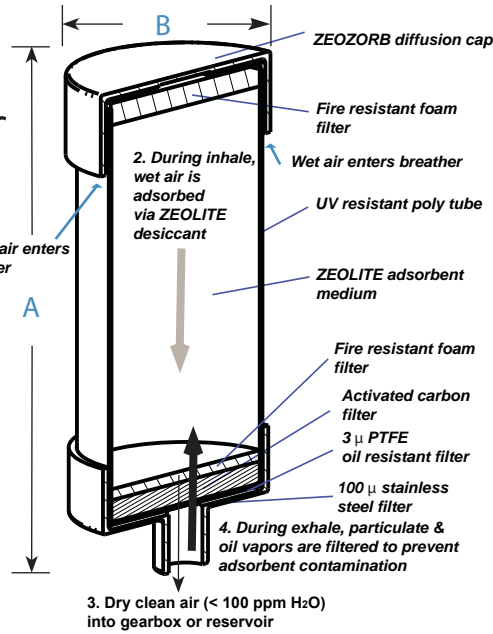
Features

- **ZEOLITE** adsorbent maximizes water adsorption capacity, less than 100 ppm H₂O
- Optimal flow via diffusion filters
- Multi layer filtration - (2) diffusion filters, activated carbon, 3 μ PTFE filter, 100 μ stainless steel filter
- **ZEOLITE** thermal efficiency (efficient at all temps.)
- Diffusion cap - replaces use of valves to control air flow, allows for long term storage
- Flexibility - 1" slip fit adapters - see adapters brochure
- UV resistant to prevent discoloring
- Oil Mist Coalescer Manifold Adapter (OMCOL)
- Easy visible color indication of spent adsorbent



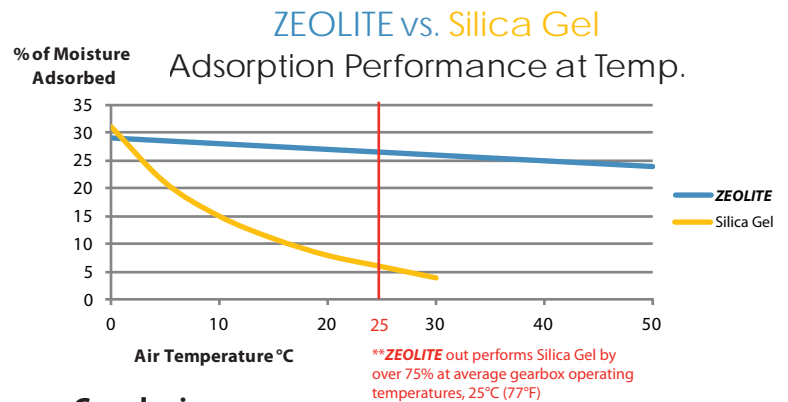
Advantages

- **Cost savings** - longer oil life extends oil drain intervals, decrease oil disposal expense, reduce component wear, extend service intervals up to 1 year
- **ZEOLITE adsorbent** - most efficient in ALL temperature conditions
- **High efficiency desiccant** - (<100 ppm H₂O) (75% ZEOLITE & 25% indicating molecular sieve)
- **Long term protection** - 1 year MAINTENANCE FREE



Series	Brand A		ZEOZORB	
Model	Model A	Model B	ZZ-150	ZZ-300
Dim. "A"	10" (254mm)	12" (305mm)	6.2" (157mm)	10.7" (272mm)
Dia. "B"	5.2" (132mm)		5" (127mm)	
Dim. "C"	1" NPT		1" slip fit / 1" NPT	
Max operating flow rate	25 scfm	25 scfm	Up to 10 scfm	
Desiccant medium	Silica Gel		ZEOLITE	
Desiccant weight	3.3 lbs	4.5 lbs	1.5 lbs	3.0 lbs
*Lowest PPM H ₂ O	384 ppm	272 ppm	96 ppm	63 ppm

*Test Conditions : TABAI Humidity Chamber 90% RH @ 23°C



Conclusion:

- **ZEOLITE** adsorbs 25-30% H₂O by weight between 0-50°C temperature
- Silica Gel adsorbs only 3-32% H₂O by weight between 0-25°C temperature and essentially stops adsorbing H₂O above 30°C