

ZEOZORB Series Transformer Breather for Power Transformers

Protects transformer oil from moisture and particulate contamination

- Extend the life cycle of your transformer oil
- Minimize component wear, down time and repairs due to moisture
- Protects against high humidity, water condensation, pressure variations
- Protects against dielectric loss, mold growth
- Extend operations & maintenance intervals

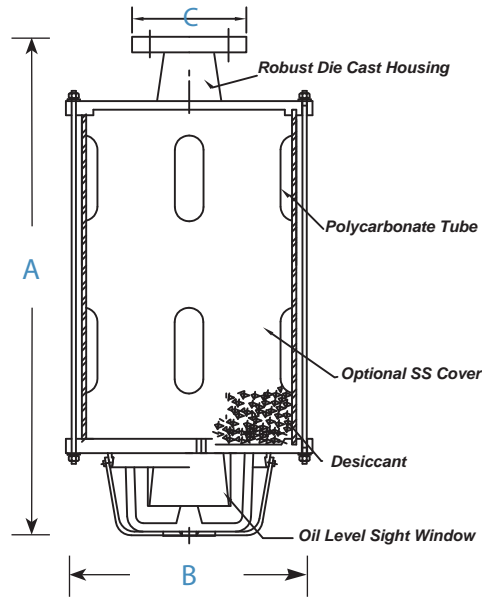
Features

- **ZEOLITE** adsorbent maximizes water adsorption capacity, less than 100 ppm H₂O
- Robust cast aluminum construction
- Flanged connection for most applications, manifolds available for multiple breathers
- **ZEOLITE** thermal efficiency (efficient at all temps.)
- Optional stainless steel or expanded metal covers available
- Flexibility - threaded or flanged connections
- UV resistant to prevent discoloring
- Oil level sight window
- Easy visible color indication of spent adsorbent



Advantages

- **Maximum adsorption efficiency** (<100 ppm H₂O)
- **ZEOLITE adsorbent** (most efficient in ALL temperature conditions)
- Easy to replace desiccant, ideal for planned maintenance cycles
- Minimum downtime and maintenance
- **Long term protection** -1 year MAINTENANCE FREE

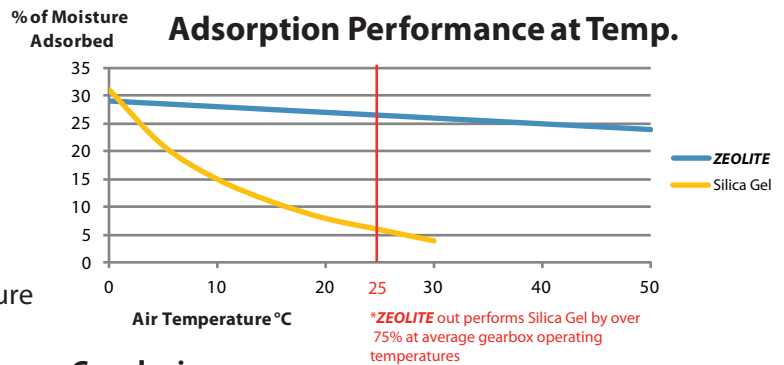


ZZ-T-1320

Series	ZEOZORB Transformer Breathers			
Model	ZZ-T-1045	ZZ-T-1320	ZZ-T-1760	ZZ-T-2200
Dim. "A"	15.75" (400mm)	17.32" (440mm)	22" (560mm)	26.77" (680mm)
Dim. "B"	8.46" (215mm) diameter			
Dim. "C"	4.5" (115mm) 4 hole flange			
Transformer Rating	10,000 kVA	15,000 kVA	20,000 kVA	25,000 kVA
Max Transformer Oil Quantity	10,782 liters	13,620 liters	18,159 liters	22,698 liters
Desiccant weight	10.5 (4.75kg)	13.2 (6kg)	17.6 (8kg)	22 (10kg)
Unfilled weight	17.6 (8kg)	24.25 (11kg)	30.8 (14kg)	39.7 (18kg)

ZEOLITE vs. Silica Gel

Adsorption Performance at Temp.



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**