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INSTALLATION, OPERATING & MAINTENANCE INSTRUCTIONS

FOR SIZES S, T & U TRANSFORMER BREATHERS

Description

The S, T & U Transformer Breathers consist of a top molding, a refillable desiccant container and a bottom molded assembly which houses the inlet and outlet relief valve. The three items are clamped together by two-threaded tie rods.



Installation

The Breather is supplied with a threaded sealing plug, which is fitted into the threaded mounting point on the top molding. This is to prevent any water vapor ingress while in storage. This plug should be removed immediately prior to the top molding being screwed to the air vent pipe of the equipment. The thread size in the top molding of the breather is $\frac{3}{4}$ inch BSPP female (will mate to $\frac{3}{4}$ -14 NPSM).

The breather is now ready to use.

Operation

Periodic inspection should be carried out to monitor the condition of the desiccant charge. The breathers are charged with blue indicating silica gel. This material changes in color from blue to pink as it becomes saturated with water vapor. When the color change reaches the indicator line on the label on the desiccant container, it should be re-charged with fresh blue indicating silica gel.

Maintenance

The only maintenance necessary to keep the breather in a fully active condition is the replacement of the spent desiccant as follows:

1. Loosen the wing nuts on the tie rods until the desiccant container can be removed from between the top and bottom moldings.
2. Remove the top perforated cover and empty the spent desiccant from the container. This material may normally be disposed of in a landfill site, but always check your local environmental requirements.
3. Fill the container with active blue indicating silica gel (refills of the correct grade and quantity are available from AGM Container Controls, Inc.). Lightly tap the container to settle the desiccant and fill as necessary.
4. Replace the perforated cover and refit the container between the top and bottom moldings ensuring that it is correctly fitted between the sealing gaskets.

5. Screw the wing nuts home, being careful not to over tighten as this can distort the molding.

DESICCANT REFILLS

For users who have a regular refill requirement, bulk quantities of blue (AGM P/N 920007) or orange (AGM P/N 920013) indicating silica gel are available for purchase. Please contact our Desiccant Sales Department for pricing.

It must be emphasized, however, that careful housekeeping is necessary when dispensing desiccant from bulk containers. Ensure that the container is open for the minimum time necessary to remove the required quantity and that it is properly sealed immediately after use.

For technical questions, please contact AGM's Engineering Department. For Sales and Quoting, please contact AGM's Desiccant Sales Department.