



**AGM CONTAINER CONTROLS, INC.**  
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## **INSTALLATION, OPERATING & MAINTENANCE INSTRUCTIONS**

### **FOR SIZES R, R1 & R2 TRANSFORMER BREATHERS**

#### **Description**

The R, R1 and R2 Desiccant Breathers consist of a top and bottom molding into which a refillable desiccant container is permanently sealed. The bottom molding houses inlet and outlet relief valves. The desiccant is blue indicating silica gel.



#### **Installation**

The Desiccant Breather is supplied with a threaded sealing plug screwed into the top molding to prevent any water vapor ingress while in storage. This plug should be removed immediately prior to the unit being screwed to the air vent pipe of the equipment. Fit the unit by hand; tighten using the spanner flats provided at the top of the unit. The thread size in the top molding of the breather is  $\frac{3}{4}$ -14 BSPP female (will mate to a  $\frac{3}{4}$ -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 beaded blue indicating silica gel desiccant. 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, or the complete assembly should be replaced.

#### **Maintenance**

If this unit is not routinely replaced when the desiccant becomes saturated, the only maintenance necessary is to replace the spent desiccant as detailed below:

1. Unscrew the unit from the vent pipe.
2. Remove the rubber gasket and perforated cover in the top molding 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 desiccant (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.

Replace the perforated cover and gasket, and screw the recharged unit back onto the vent pipe.

**DO NOT ATTEMPT TO SREW OR UNSCREW THE BREATHER BY HOLDING THE BODY WITH YOUR HANDS. USE A SPANNER ON THE FLATS PROVIDED**

### **DESICCANT REFILLS**

A convenient refill pack of 1.32 lbs. of blue indicating silica gel is available as AGM P/N 682501. This is the amount required to refill a single Size R breather.

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.