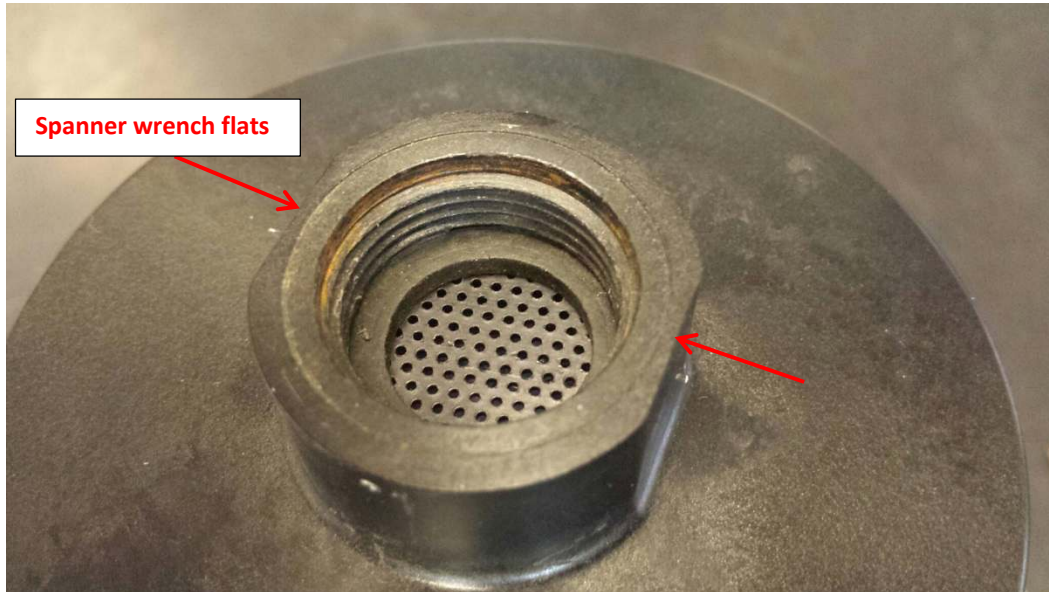


Refilling of Size R series Transformer Breathers

Written by: Pat Lane; 3-10-2015 Rev -

1. Disconnect the unit from the piping it is threaded onto. Do this by applying a spanner wrench to the flats on the housing endcap. After removal, this is how the top of the desiccator should look.



2. Using a small flat bladed screw driver or other similar tool, "dig out" the black elastomeric gasket from the groove at the bottom of the threads as shown below.



3. After removing the gasket, remove the perforated metal plate by “picking” it using a small pick as shown. A small paper clip will also work. The holes in the perforated metal plate are about .038” in diameter. The pick tool shown here has a small hook on the end of it. This allows the perforated metal plate to be easily lifted out.



4. Once the perforated metal plate is removed, the desiccant can simply be dumped out. Note that desiccant is not normally considered hazardous and may be disposed of by normal waste disposal methods; however, refer to your local requirements for possible restrictions on disposal of spent desiccant.



5. Refill the desiccator with fresh desiccant up to the level of the flat shown in the above photo. Gentle tapping and shaking of the desiccator during the filling process is advised to settle the desiccant as much as possible.
6. Once satisfied with the amount of desiccant in the desiccator, re-install the black perforated metal plate and the black elastomeric gasket. The gasket should be fully seated in its groove at

the bottom of the threads with the black perforated metal plate completely underneath the gasket. Using the pick tool, center the black perforated metal plate so that the desiccator fill hole is completely covered with the plate. The first photo below shows the initial positions of the plate and gasket which are undesirable. The second photo shows the correctly installed and positioned plate and gasket.



Incorrect position of plate and gasket shown above ↑



Correct position of plate and gasket shown here ↑

7. Re-install the desiccator to the piping it was previously installed in. Take care to tighten the desiccator onto its threaded fitting only by applying a spanner wrench to the flats on the housing endcap.