



Humidifier Rod Replacement (MC1412)

The correct functioning of a lead acetate tape analyzer depends upon the sample system receiving clean, dry gas. Quality of the gas and contamination from scrubbers or other sources can create a problem with corrosion of the humidifier filter rod. These contaminants can react with the weak acetic acid and form a corrosive solution over time. The humidifier solution should be clear and any discoloration would indicate the solution is contaminated and should be changed. When checking the acid level in the humidifier, check the solution for discoloration and if it is discolored or brown the stainless steel rod that holds the filter in place should be checked. If there is noticeable pitting or shrinkage the rod must be replaced.

Procedure:

1. Remove filter assembly from top of humidifier.
2. Remove the nut at the bottom of the filter, and then take the filter off.
3. Inspect rod for damage. If damaged, replace rod (MC1412)
4. Re-attach filter and filter nut.
5. Re-tape filter assembly with Teflon tape and install in humidifier.
6. Leak test humidifier.

Note: If you are having problems with gas quality or contamination, you may need to add a membrane filter to your sample system. Please contact your Galvanic Applied Sciences sales representative for details.