(800) 628-8139 or (508) 946-6200
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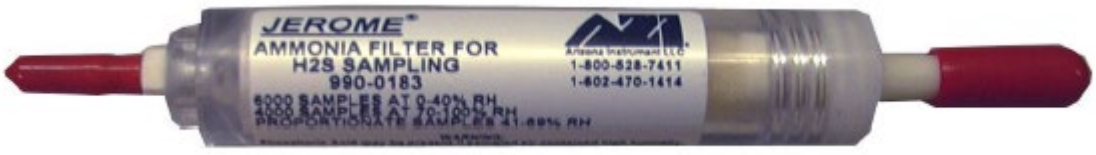
Ammonia Filter

Warning: Do not use the Ammonia Filter in series with the Chlorine Filter



The filter medium contained in the AMETEK Brookfield ammonia filter will produce phosphoric acid if the material comes in contact with water. While sampling, moisture vapor will be drawn through the filter. When the recommended intervals listed below are reached, the filter must be changed before harmful levels of acid are produced. Regardless of the humidity at the time and place of sampling operations, do not tip the filter on end but keep it level to prevent any accumulated liquid from escaping. Place the filter in a suitable container for proper disposal; refer to state and local laws. Full MSDS for the filter medium is available from Perma Pure Inc. customer service.

Filter Performance (For Mercury Testing Hg):

Between 4% to 6% reduction in Hg reading in the presence of 0.05 ppm to 50 ppm Ammonia levels. AMETEK Brookfield recommends that no more than 1,200 liters of sampled air be drawn through the filter. After this accumulated volume, the moisture content will adversely affect the filter medium and produce phosphoric acid. Total number of auto regenerations that can be performed before the filter is changed:

• 8 regenerations at 70 to 100% humidity

• 12 regenerations at 41 to 69% humidity

• 16 regenerations at 0 to 40% humidity If the instrument is operated manually, and the ammonia filter is removed for regenerations, the total number of samples can be increased by a factor of 60 each, 30 second samples, per regeneration.

Filter Performance (For Hydrogen Sulfide (H_2S) Testing):

Less than 10% reduction in H2S reading in the presence of 0.05 ppm to 50 ppm ammonia levels. AMETEK Brookfield recommends that no more than 1,200 liters of sampled air be drawn through the filter. After this accumulated volume, the moisture content will adversely affect the filter medium and produce phosphoric acid. Total number of auto regenerations that can be performed before the filter is changed:

• 40 regenerations at 70 to 100% humidity

• 60 regenerations at 41 to 69% humidity

• 80 regenerations at 0 to 40% humidity If the instrument is operated manually, and the ammonia filter is removed for regenerations, the total number of samples can be increased by a factor of 60 each, 30 second samples, per regeneration. The recommended total number of samples that may be taken through the filter.

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Filter Performance (For Mercury Testing HG): The recommended total number of samples that may be taken through the filter:

• 800 samples at 70% to 100% relative humidity

• 1,200 samples at 0% to 40% relative humidity

• A proportionate number of samples between 800 and 1,200 may be taken at 41% and 69% relative humidity.

• The number of regenerations, with the filter in place in the instrument's intake, should not exceed the above limitations.

Filter Performance (For Hydrogen Sulfide (H_2S) Testing):

• 4,000 samples at 70% to 100% relative humidity

• 6,000 samples at 0% to 40% relative humidity

• A proportionate number of samples between 4,000 and 6,000 may be taken at 41% and 69% relative humidity.

• The number of regenerations, with the filter in place in the instrument's intake, should not exceed the above limitations.