

Arbiter Systems, Inc

Model 921A Combustible Gas Meter

Filter Replacement Instructions

Equipment Required

1. Annual Filter Maintenance Kit, P/N: AS0035100, which includes the following:
 - Breather Filter (1 each)
 - Particulate Filters (5 each: 3 internal, 2 external replacements).
 - Transformer In-Line Filter Kit, P/N: AS0026900 (1 each)
2. T10 Torx® Driver
3. ¼” open-end wrench.

Procedure

To replace the Model 921A internal filters perform the following steps:

1. Using a T10 Torx® driver, remove the four corner screws from the rear panel.
2. Locate the three Particulate Filters (blue/white).

NOTE: Three Particulate Filters replace the Model 921A internal filters and the remaining two are intended to replace those used externally when performing measurements. Replace the Particulate Filters one at a time so that the corresponding flexible tubing removed is replaced on the correct filter. Gently move adjacent flexible tubing aside when disconnecting filter.

3. Disconnect the Particulate Filter using the plastic twist-lock Luer fitting. Gently remove the fitting and attached tubing from the filter.

WARNING: DO NOT over tighten or use extreme downward pressure when re-attaching filter and flexible tubing.

4. Install new Particulate Filter and gently re-install flexible tubing.
5. Locate the Breather Filter (cylindrical tube) which is located at the top front of unit, as viewed from the rear.
6. Carefully maneuver the filter from its current position outward so that the flexible tubing can be removed without interference.

7. Disconnect one end of the Breather Filter using the plastic twist-lock Luer fitting. Gently remove the fitting and attached tubing from the filter.
8. Using a ¼” open-end wrench, carefully remove the plastic fitting from the filter and set aside. Do not lose this fitting, as it will be used to install the new filter.
9. Place a ¼” wrench on the fitting located on the opposite side of Breather Filter. Carefully rotate filter until it disconnects from fitting.
10. Remove protective foil caps from new Breather Filter and carefully install it by reversing steps 9, 8, 7 and 6.
11. Secure the rear panel.
12. Install the Transformer In-line Filter in accordance with the instructions included with the Transformer In-Line Filter Kit, PD0017000