

FLUKE[®] CO-205 *Aspirator Kit*

Instruction Sheet

Introduction

The CO-205 Aspirator Kit allows the user to sample the carbon monoxide (CO) level in the flue of a residential furnace.

The Aspirator Kit works as an extension to the Fluke CO-210 Carbon Monoxide Probe and the Fluke CO-220 Carbon Monoxide Meter. See Figure 1.

⚠ Read First: Safety Information

⚠ Warning

To avoid possible personal injury:

- **Do not place the Fluke CO-210 Carbon Monoxide Probe or the CO-220 Carbon Monoxide Meter against a flue.**
- **Do not handle the aspirator probe after removing it from a flue. Allow the probe to cool before storage.**

Contacting Fluke

To contact Fluke, call:

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Using the Aspirator

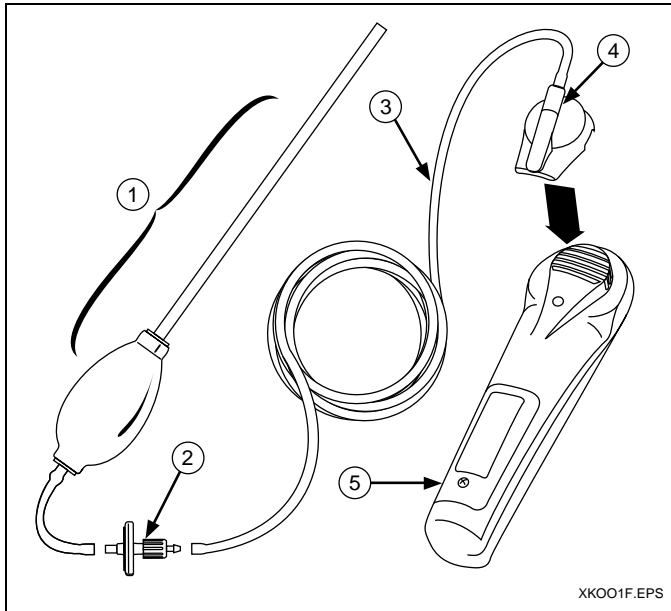
To use the aspirator:

1. Snap the aspirator cap to the CO-210 or CO-220.
2. *Downstream from the furnace but before any intersections to the flue, make a 5/16" sampling hole in the flue to accommodate the aspirator probe.*

3. Insert about half of the aspirator probe into the flue.

Caution: Do not leave the aspirator probe in the flue for extended periods of time (longer than 1 hour).

4. Turn on the CO-210 or the CO-220. (If the CO-210 is connected to a meter, turn on and configure the meter.)
5. Squeeze the aspirator bulb 4 to 5 times or until the CO-210 or CO-220 shows a constant reading.
6. After sampling is complete, plug the sampling hole using material appropriate for your flue.



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| ① | Aspirator probe assembly (Fluke P/N 691565) |
| ② | PTFE filter (Fluke P/N 691188. Whatman 7590-002) |
| ③ | Aspirator hose (Viton) |
| ④ | Aspirator cap (Fluke P/N 691185) |
| ⑤ | Fluke CO-210 or CO-220 (Not included in 205 Aspirator Kit) |

Figure 1. CO-205 Aspirator Kit

Specifications

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| Hose Dimensions: Inside diameter Outside diameter Length | 3.175 mm (1/8 inch) |
| | 6.35 mm (1/4 inch) |
| | 122 cm (48 inches) |
| Filter Pore Size: | 1 µm |
| Operating Temperature: Probe: Hose: | 371 °C (700 °F) |
| | 204 °C (400 °F) |
| Storage Temperature: | -30 °C to +60 °C (-22 °F to +140 °F) |

Replacing the Filter

The PTFE filter on the aspirator hose can clog with use. A clogged filter reduces the accuracy of the CO reading by impeding air flow to the measuring device. Examine the filter periodically and replace as necessary.

If you notice water in the hose on *the instrument side of the filter*, the filter has become saturated. Remove the filter, drain the water, and replace the filter.

Warranty

Limited Warranty & Limitation Of Liability

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, send your defective tester to the nearest Fluke Authorized Service Center with a description of the problem.

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