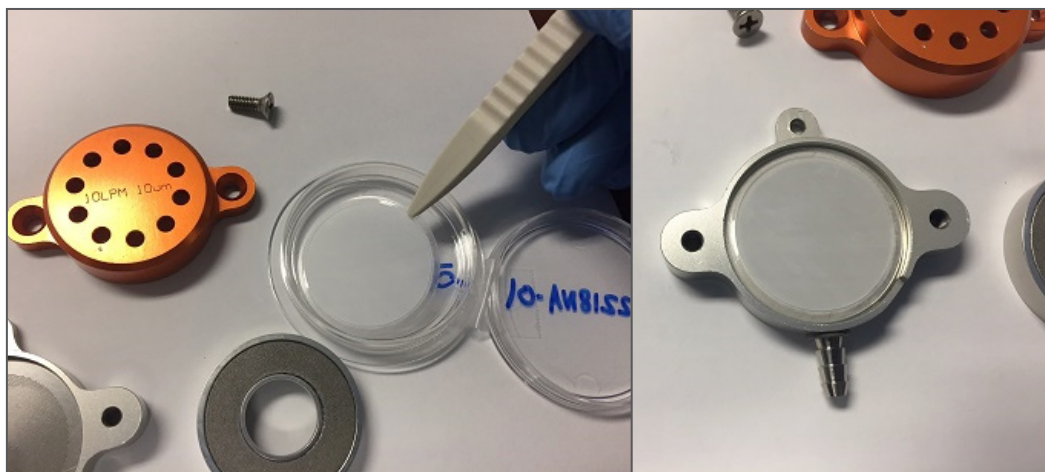




PM-10 Impactor Sampling Instructions



1. Find a clean, dry surface to load the filter into the impactor.
2. Don a pair of powder-free surgical gloves, such as nitrile gloves.
3. Unscrew the two Phillips-head screws and remove the impactor top.
4. Remove the impaction ring.
5. Make sure the perforated stainless-steel support screen is in place in the base. Make sure all surfaces in contact with the filter are clean, dry, and oil-free.
6. Using the forceps, and grasping ONLY the plastic outer rim of the filter, CAREFULLY remove a pre-weighed 2 μ m 37 mm PTFE filter from its Petri dish and place on support screen. The filter ID info is on the Petri dish for that filter, DO NOT mix them up. DO NOT touch the filter with fingers or anything else.



7. Wet a finger with mineral oil or petroleum jelly and sparingly apply a light smear to the silver-gray top of the impaction ring ONLY. DO NOT get oil anywhere else.

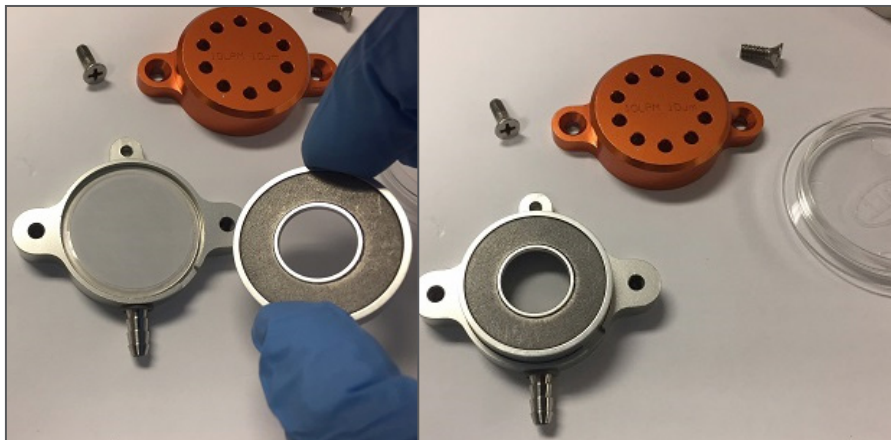




PM-10 Impactor Sampling Instructions



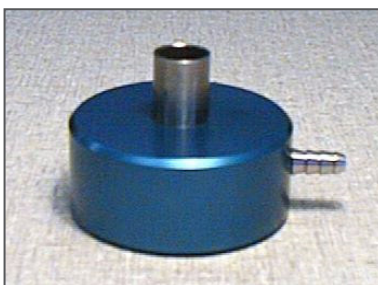
- Place impaction ring, oiled side up, so the bottom of the ring sits on the outside plastic edge of the filter.



- Install the cap. Run the Phillips head screws down evenly. Observe the gap on each side and maintain even spacing as you gently snug up the screws.



- Connect impactor to pump with long tube, black piece to pump.
- Connect cal adapter to rotameter with short Tygon tube.
- Install Cal adaptor over impactor cap.



- Turn pump on by pressing the leftmost button.
- Press the “Down” button under “Exit”.



PM-10 Impactor Sampling Instructions



15. Press the “Down” button under “Menu” until “Reset Mode” shows. Press the “Up” button to clear the timer.
16. Press the “Down” button- “Calibration Mode Adjustment Factor” shows.
17. Press the “Set” button. Observe the rotameter reading. It should be around 10 lpm. Note the actual reading and correct using label correction factor.
18. If high or low, hold “SET” and press the “Up” or “Down” button until the reading is in range (It’s tricky.) Record final reading and correct.
19. When finished, press the “On / Off” (leftmost) button.
20. Remove the cal adaptor, set unit in sample area, and press the button under “RUN” (“Up” button) to start sampling. Record the time
21. To stop the pump, press and hold the “On / Off” button. Record the time
22. Again, on a clean, dry surface, open the impactor following the steps above.
23. Use forceps to CAREFULLY lift the filter, grasping ONLY the plastic outer rim of the filter and replace it in the same labeled Petri dish you got it from.
24. Fill out the COC with the time, flow rate and volume.
25. Return to EMSL Analytical, Inc.