

AeroFit QuickStart Guide



Setup

There are two types of Condensation Nuclei Counting (CNC) fit testing machines on the market: those with a Differential Mobility Analyzer (DMA) and those without. The presence of a DMA determines which respirators a machine can effectively test.

- Connect the power cord the back of the AeroFit and plug it into the wall.
- Set up the particle generator using the instructional video on the QR code.
- Remove the red storage cap from the front of the AeroFit.
- Remove the wick from the alcohol fil capsule and replace it with the red storage cap.
- Insert the wick into the front of the AeroFit and turn clockwise to lock into place.
- Turn on the AeroFit by flipping the switch on the back of the instrument.
- Attach the click to connect ends of the twin tubing to the front of the AeroFit.
- Your AeroFit is now running and ready for fit test operations.

Daily Verification

- Press the green “Daily Verification” button on the bottom left of the color touch screen.
- Ensure the twin tubing is connected to the machine using the click to connect ends as shown on the screen. Press the blue arrow to advance.
- Ensure the wick is inserted and lock into place as shown on screen. Press the blue arrow to advance.
- Select the type of respirators you will be fit testing. Press the blue arrow to advance.
 - If fit testing disposable respirators you will need to specify the respirators filter efficiency using the “yes” or “no” button
 - > Yes = N95/FFP1/FFP2
 - > No- N99/P100/FFP3
- The system will begin the verification process. Press the blue arrow to advance when prompted.
 - If a failure occurs, make adjustments based on the onscreen instructions.
- Connect the clear line to the zero port as shown on screen. Press the blue arrow to advance.
- The system will continue the verification process. Press the blue arrow to advance when prompted.
 - If a failure occurs, make adjustments based on the onscreen instructions.
- Once the Daily Verification has been completed, press the green check mark to navigate to the home screen.
- Begin fit testing

Fit Testing

- Attach the respirator to the clear line using the appropriate connection method (adapter or push nut and probe).
- Have the test subject don the respirator while connected to the AeroFit.
- Press the People/Test button on the top left of the color touch screen.
- Select the user and the Company using the search tool and the drop-down menu. Press the orange arrow in the bottom right to advance.
- Select the respirator from the list of preloaded respirators.
- Select the size from the drop-down menu.
- Select the Operator from the list of operators. Press the blue arrow to advance.
- The "Test Information" screen will appear. Once the information is confirmed, press the green "Begin Test" button in the bottom right.
- If Signature Capture is enabled, you will be prompted to have the operator sign for the first fit test, otherwise the AeroFit will begin executing the fit test.
- Follow instructions on the screen to complete the fit test.
- Results will present on the screen when the fit test is complete. Press the blue arrow on the bottom left to advance.
- If signature capture is enabled, have employee sign and press the blue arrow to advance.
- Select option on the "Overall Fit Factor" screen.