AEROFIT

QUICKSTART GUIDE



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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.

1 Connect the power cord the back of the AeroFit and plug it into the wall.

2 Set up the particle generator using the instructional video on the QR code.

3 Remove the red storage cap from the front of the AeroFit.

**4** Remove the wick from the alcohol fil capsule and replace it with the red storage cap.
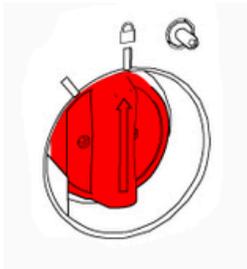
5 Insert the wick into the front of the AeroFit and turn clockwise to lock into place.

6 Turn on the AeroFit by flipping the switch on the back of the instrument.

7 Attach the click to connect ends of the twin tubing to the front of the AeroFit.

8 Your AeroFit is now running and ready for fit test operations.

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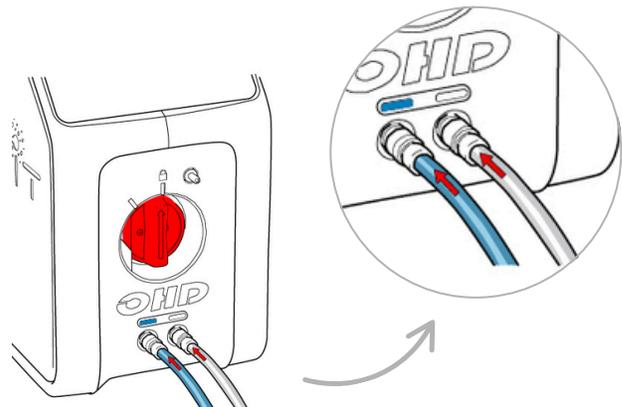
Daily Verification

1 Press the green "Daily Verification" button on the bottom left of the color touch screen.

Daily verification automatically occurs everytime you run the unit or on homescreen. If it doesnt automatically start, press button homescreen.
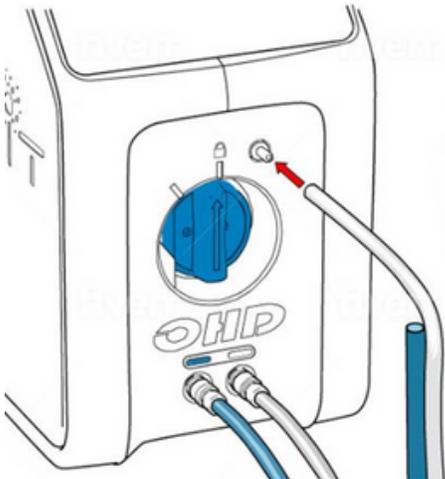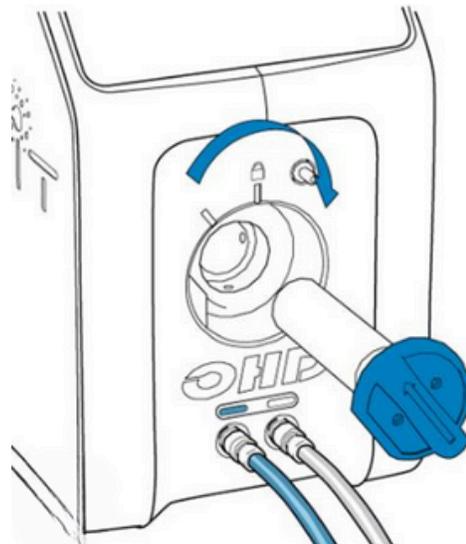

DAILY VERIFICATION

2 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.
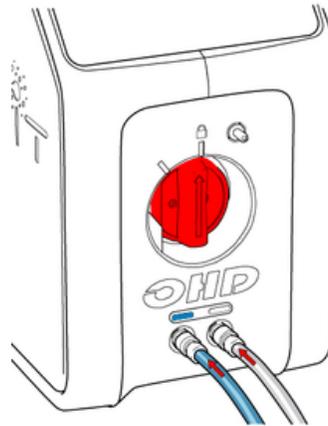
3 Connect the clear line to the zero port as shown on screen. Press the blue arrow to advance.

4 Ensure the wick is inserted and lock into place as shown on screen. Press the blue arrow to advance.

5 Select the type of respirators you will be fit testing. Press the blue arow 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

6 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.

7 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.

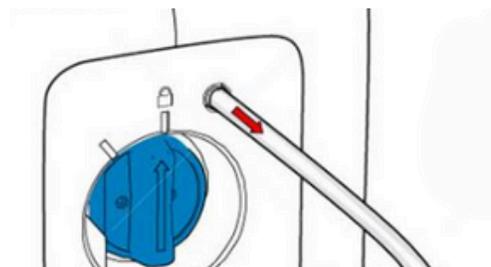**8** Once the Daily Verification has been completed, press the green check mark to navigate to the home screen.

Begin fit testing.

DAILY VERIFICATION

Zero Check

PURGE

3%

Remove Tubes as shown

Fit Testing

1 Attach the respirator to the clear line using the appropriate connection method (adapter or push nut and probe).

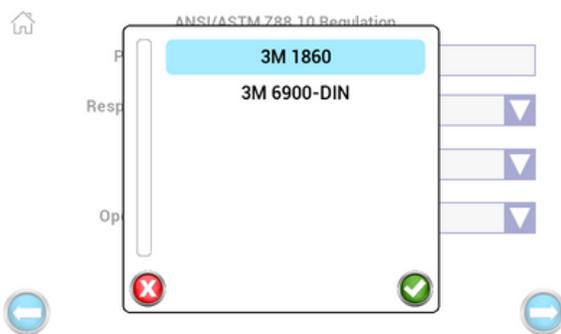**2** Have the test subject don the respirator while connected to the AeroFit.

3 Press the People/Test button on the top left of the color touch screen.
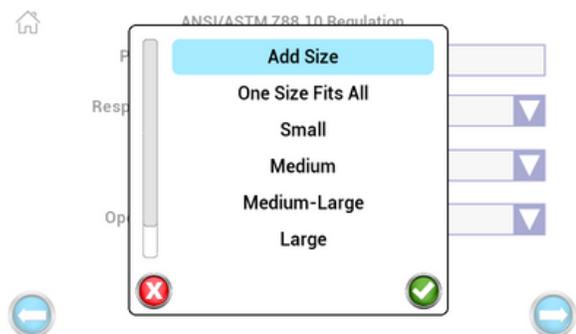

PEOPLE/TEST

4 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.

PEOPLE

Search By: ● Last Name   ○ ID

Select Company:

5 Select the respirator from the list of preloaded respirators.

ANSI/ASTM Z88.10 Regulation

3M 1860
3M 6900-DIN

6 Select the size from the drop-down menu.

ANSI/ASTM Z88.10 Regulation

Add Size
One Size Fits All
Small
Medium
Medium-Large
Large

7 Select the Operator from the list of operators. Press the blue arrow to advance.

8 The "Test Information" screen will appear. Once the information is confirmed, press the green "Begin Test" button in the bottom right.
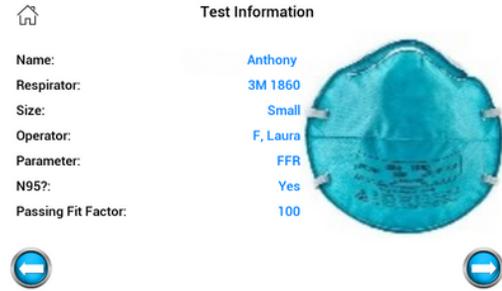
9 If Signature Capture is enabled, you will be prompted to have the operator sign for the first fit test, otherwise the AeroFit will begin executing the fit test.

10 Follow instructions on the screen to complete the fit test.

11 Results will present on the screen when the fit test is complete. Press the blue arrow on the bottom left to advance.

12 Select option on the "Overall Fit Factor" screen.

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