

MSK-003 DUCKBILL QUANTITATIVE FIT TESTING PROTOCOL

NOTE: Prior to fit testing, wearer must be clean shaven and eyewear should be removed.

MSK-003 DONNING & PREPARATION

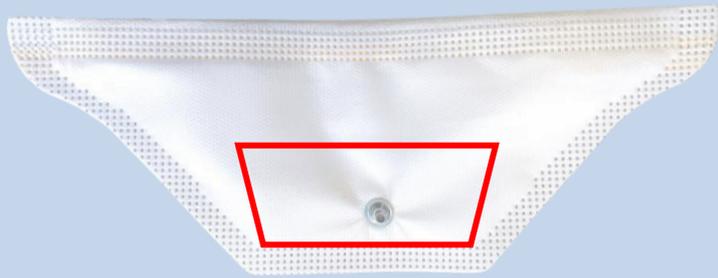
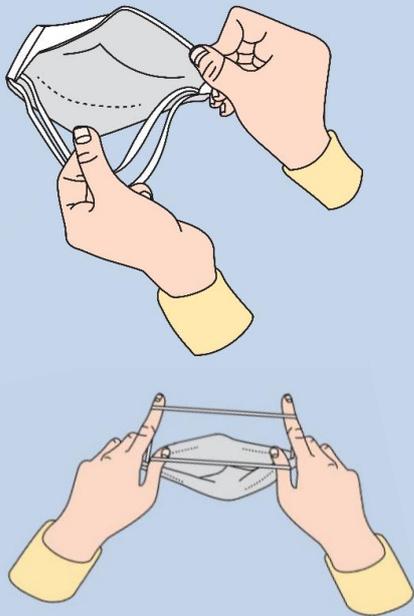


Figure 1. Placement of sample probe

NOTE: This is the bottom panel of MSK-003

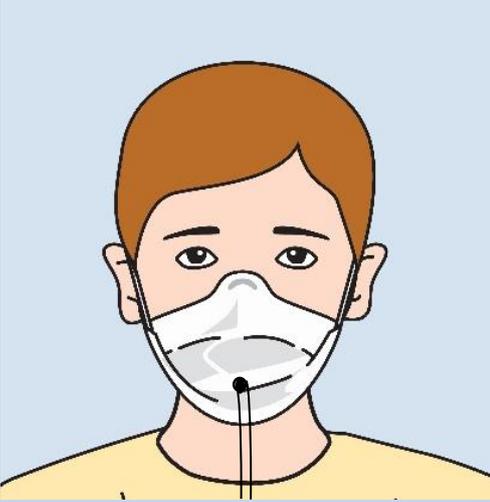


1. Install the sample probe near the outer edge of the bottom panel where it cannot be blocked by the subject's chin. The sampling point must be in the "breathing zone" of the respirator subject. Do not install the sample probe on the welded seal. Probe can be placed on the MSK-003 within the red circle as indicated in Figure 1.

2. Connect the tubing onto the sample probe. Ensure that both sample probe and tube are properly attached to the respirator.
3. Hold mask upside down to expose the two headbands. Separate the edges of the respirator to fully open, slightly bend the nose wire to form a gentle curve. The nose wire will represent the top of the mask. Use your index fingers and thumbs to part the two headbands.
4. Hold respirator under your chin and pull headband over your head. Release the lower headband at the back of your neck and position the upper headband on the crown of your head.
5. Make sure the nosepiece is placed at the bridge of the nose. Using both hands, mould nosepiece to shape the lower part of the nose to ensure a close fit and good seal.
 - Do not position nosepiece at the tip of nose. This will lead to potential failure of the fit test.
 - If there are any folds around the mask, straighten using your fingers. If hair is stuck under mask, move them away.
6. The subject should leave the respirator on for 5 minutes prior to fit test to purge the particles trapped inside the respirator and permit the wearer to make certain that the respirator is comfortable.

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QUANTITATIVE FIT TESTING



1. Carry out a real-time test to ensure there are no leakages. If air leaks around nose, readjust and tighten the nose piece. If air leaks around mask edges, reposition headband for better fit. If finding difficulty in achieving a better fit, try a new respirator and repeat the above guidelines. The mask loses its ability to achieve high fit after the nosepiece is bent and relaxed too many times.
2. Proceed with fit test exercises. Do not allow the subject to adjust the mask during the exercises, as this invalidates previous results.
3. Discard respirator after fit testing is complete. Probed respirators are intended for fit testing only and are never to be reused.