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# SPECTRUM SERIES RESPIRATOR FIT TEST KIT INSTRUCTIONS

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## QNFT45 FIT TEST KIT

# Quantitative Fit Testing Instructions

1. If you're testing the Spectrum pressure demand respirator, remove the regulator from the facepiece by depressing the two blue release buttons. Pull the regulator out of the regulator adaptor. If you're testing the Spectrum continuous flow respirator, disconnect the breathing tube by twisting counter-clockwise.
2. Depress the button on the base of the mask cover. Remove the regulator adaptor from the lens port by turning it counter-clockwise (See Figure 1).
3. If you're working with the pressure demand model, leave the gasket in the lens port. If you're working with the continuous flow model, be sure to insert the gasket into the lens port (See Figure 2). (All kits include one lens port gasket.)
4. Take the tubing from the adaptor and feed it through the lens port (See Figure 3). Let the end with the suction cup hang loose for now. (If you're using the clear plastic air deflector in cold working conditions, pull the tubing between the nosecup and the air deflector.)
5. Screw the threaded fit test adaptor into the lens port by turning it clockwise. (If you're using the plastic air deflector accessory designed for use in a cold temperature work environment, be sure the tubing is not twisted between the deflector and nosecup.)
6. Press the suction cup onto the inside of the lens at about eye level (See Figure 4).
7. Screw the OV/HEPA filter onto the adaptor until tight. (See fully assembled mask with fit test kit pictured on front cover.)
8. Attach the respirator sample line tubing from the quantitative fit testing instrument to the barbed fitting on the outside of the probed mask kit adaptor (See Figure 5).
9. Conduct the quantitative fit test in accordance with the approved OSHA protocol.
10. After fit testing, remove the fit test kit from the facepiece by unscrewing the probed adaptor from the lens port.
11. Clean and sanitize the facepiece following the instructions in the Spectrum Respirator Instruction Manual. Also clean and sanitize the body of the fit test adaptor. See back page for instructions on replacing the tubing, suction cup and terminal connector for the fit test kit.
12. Reassemble the respirator. If using the continuous flow model, remove the lens port gasket before reinstalling the breathing tube.
13. Store the respirator following the instructions in the Spectrum Respirator Instruction Manual.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

# Qualitative Fit Testing Instructions

1. If you're testing the Spectrum pressure demand respirator, remove the regulator from the facepiece by depressing the two blue release buttons. Pull the regulator out of the regulator adaptor. If you're testing the Spectrum continuous flow respirator, disconnect the breathing tube by twisting counter-clockwise.
2. Depress the button on the base of the mask cover. Remove the regulator adaptor from the lens port by turning it counter-clockwise (See Figure 1). If you're working with the pressure demand model, leave the gasket in the lens port. If you're working with the continuous flow model, be sure to insert the gasket into the lens port (See Figure 2). (All kits include one lens port gasket.)
3. Remove the tubing from the kit by pulling it off the inside of the adaptor.
4. Screw the OV/HEPA filter\* onto the adaptor until tight.
5. Check to be sure the plastic green cap is in place on the barbed fitting on the outside of the adaptor (See Figure 6). This port must be closed off to ensure that the challenge agent doesn't leak into the respirator.
6. Conduct the qualitative fit test in accordance with the approved protocol.
7. After fit testing, remove the fit test kit from the facepiece by unscrewing the probed adaptor from the lens port.



Figure 6

8. Clean and sanitize the facepiece following the instructions in the Spectrum Respirator Instruction Manual. Also clean and sanitize the body of the fit test adaptor. See back page for instructions on replacing the tubing, suction cup and terminal connector for the fit test kit.
9. Reassemble the respirator. If using the continuous flow model, remove the lens port gasket before reinstalling the breathing tube.
10. Store the respirator following the instructions in the Spectrum Respirator Instruction Manual.

*\*The QNFT45 fit test kit is equipped with an OV/HEPA cartridge so that qualitative fit testing can be conducted with any OSHA-approved test agent.*

## **▲ WARNING! ▲**

Read and understand the instructions and warnings on this instruction sheet before using this probed mask. A respirator equipped with a probe is not designed nor intended to be used for respiratory protection. Probed respirators are to be used for fit testing only by properly trained, qualified persons. Probed respirators may be used for measuring non-hazardous test agent levels inside the facepiece to determine the quality of the respirator-to-face seal and to detect sources of leakage.

Measurements with this probed respirator must only be made in a controlled, non-hazardous atmosphere. An air purifying element appropriate for the test atmosphere must be installed in the facepiece prior to fit testing. Any modifications to the respirator facepiece for fit testing must be completely removed, and the facepiece restored to the NIOSH-approved configuration, before the facepiece can be used in the workplace.

# FTR Fit Test Refill Kit Instructions

Bullard recommends replacing or disinfecting the tubing, suction cup and terminal connector for every new test due to hygienic concerns.

The Bullard FTR45 Fit Test Refill Kit for the probed mask adaptor consists of 15 feet of Tygon tubing, 25 suction cups and 25 clips. To replace the inside sample tubing line on the probed mask kit adaptor:

1. Measure and cut a piece of plastic tubing 7 inches long.
2. Remove the old tubing from the fitting inside the cylindrical probed mask adaptor by simply pulling it off the end of the curved metal fitting. Dispose of the old tubing if necessary.
3. Take one of the terminal connectors (the small metal part with the U-shaped electrical foot) and insert the end with the rounded tube (opposite from the U-shaped end) into the end of the cut piece of plastic tubing. Be sure to insert the terminal far enough so that it will not fall off.
4. Take one of the rubber suction cups and slide the grommet part of the cup onto the U-shaped end of the terminal connector so that the terminal connector holds the suction cup.
5. Insert the open end of the tubing onto the fitting inside the cylindrical probed mask adaptor. Be sure that the tubing is pushed far enough onto the adaptor fitting so that it will not fall off.
6. The probed mask adaptor is now ready to be used for a new fit test.

## Replacement Parts

- QNFT45 Quantitative/Qualitative Fit Test Kit - Includes fit test adaptor, facepiece sampling adaptor, 1/8" barbed mask probe and HEPA filter cartridge.
- FTR45 Fit Test Refill Kit - Includes 15 feet of Tygon tubing, 25 suction cups and 25 clips.
- HFC45 OV/HEPA cartridges (4/carton)



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