

QUESTIONS & ANSWERS

AV-3000 HT FACEPIECE



QUESTION

What is the AV-3000 HT Facepiece?

ANSWER

The AV-3000 HT is a new full facepiece designed to meet the requirements of *NFPA 1981 - Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services Standard, 2013 Edition*. It is based on the proven AV-3000 Facepiece with SureSeal, with a new lens material and new voice capabilities to meet the 2013 Edition standard. The "HT" designates that this version of facepiece meets high temp and other lens testing requirements outlined in the 2013 Edition.

QUESTION

What are the NFPA 1981:2013 Edition requirements for the facepiece?

ANSWER

NFPA 1981, 2013 Edition includes 1) increased facepiece lens high heat and flame requirements through two additional tests designed to challenge the integrity of the lens and facepiece, and 2) new voice intelligibility test requirements. Additional details are on page 2.

QUESTION

Is the AV-3000 HT Facepiece approved with the '97 Edition Air-Paks?

ANSWER

No, manufacturers were not able to submit for approvals back to the '97 Edition Air-Paks. '97 Users wanting to utilize the AV-3000 HT facepiece will need to purchase new '13 Air-Paks in order to use the AV-3000 HT facepiece.

QUESTION

Is the AV-3000 HT Facepiece approved with '02 and '07 Edition Air-Paks?

ANSWER

Yes, the AV-3000 HT facepiece is approved as a component of NFPA 1981:2002 Ed. Air-Pak Fifty and NxG2, and 2007 Ed. Air-Pak 75 and NxG7 SCBA. Customers benefit from all of the features and benefits of the new facepiece while retaining their NFPA approval, and have the option to upgrade or switch to new 2013 Edition Air-Paks without needing to purchase new facepieces.

QUESTION

Is the AV-3000 HT Facepiece approved with the '13 Edition Air-Paks?

ANSWER

Scott Safety's AV-3000 HT facepiece was designed and meets all requirements established in the NFPA 1981: 2013 Edition standard.

QUESTION

Is the AV-3000 HT Facepiece be interchangeable with other Scott respirators (Top Down Convertible)?

ANSWER

Yes, the AV-3000 HT is designed for Top Down Convertibility (TDC) and is interchangeable with other NIOSH approved and NIOSH-CBRN approved Scott respirators. For a complete list of approved respirators, please contact Scott Safety.

QUESTION

What are the differences between this facepiece and the AV-3000 facepiece with SureSeal?

ANSWER

The AV-3000 HT utilizes the same faceseal and same head harness as the AV-3000 facepiece with SureSeal. Everything else from the bezel (lens frame) forward is new material or newly designed to meet the requirements of the new standard.

QUESTION

What are the key features and benefits of the AV-3000 HT Facepiece?

ANSWER

Please see separate Features and Benefits information.

QUESTION

Will I need to do a new fit test before putting this facepiece into use?

ANSWER

If converting from the AV-2000 or AV-3000 to the AV-3000 HT, a new fit test is required according to OSHA 1910.134. If converting from the AV-3000 SureSeal to the AV-3000 HT, the facepiece and harness are the same, yet OSHA requires fit testing due to the new part number.

QUESTION

Is there be a field install kit available to upgrade the AV-3000 SureSeal Facepiece to the AV-3000 HT Facepiece?

ANSWER

No. All parts are new except the facepiece and the head harness.

QUESTION

How many sizes are available for the AV-3000 HT Facepiece?

ANSWER

Three sizes - small, medium and large - are available.

QUESTION

Are there multiple nose cup sizes available for the AV-3000 HT Facepiece?

ANSWER

Three sizes of nose cups - small, medium and large - are available and approved with the AV-3000 HT.

QUESTION

Are there multiple head harnesses available for the AV-3000 HT Facepiece?

ANSWER

The AV-3000 HT Facepiece is available in both a 4-strap and 5-strap Kevlar head harness to support customers requiring the high heat and flame requirements set forth in the NFPA 2013 Edition standard. The AV-3000 HT is not available in a polyester or rubber head harness configuration.

QUESTION

If I order the AV-3000 HT Facepiece with a communication bracket installed, which style of bracket will I receive?

ANSWER

The AV-3000 HT Facepiece can be ordered either without brackets or with the new open style communication brackets installed on either the right or left side. It cannot be ordered with the closed brackets installed, however the closed brackets (PN 200715-01) can be ordered separately.

QUESTION

Will Scott Safety continue to sell other AV-series facepieces?

ANSWER

Yes, Scott will continue to sell other AV-series facepieces. However, only the AV-3000 HT Facepiece is approved for use with a 2013 Edition Air-Pak SCBA.

NFPA 1981: 2013 Edition Requirements

Increased facepiece lens requirements through two additional tests designed to challenge the integrity of the lens and facepiece. Tests added include:

1. High Heat and Flame - To evaluate convective heat loads. The SCBA will be subjected to a 500°F oven for 5 minutes then followed by a flame impingement exposure at 1800° F for 10 seconds, while breathing at a rate of 40 lpm for each section of the test. Following the heat and flame exposures, the SCBA and Facepiece must survive a 6 inch drop test. There are no requirements for visual acuity and a garden sprayer is permitted to extinguish any after flame. The SCBA must maintain a positive pressure for a period of twenty-four minutes regardless of the cylinder's capacity.
2. Radiant Heat - To evaluate radiant heat loads. The SCBA's facepiece will be exposed to a radiant heat load of 15 kW/m² for 5 minutes while the SCBA is breathing at a rate of 40 lpm. The radiant heat panel is then removed and the SCBA must maintain a positive pressure for a period of twenty-four minutes regardless of the cylinder's capacity.

Two tests for voice intelligibility have been added and designed to eliminate the subjectivity of the testing and improve overall intelligibility, the Speech Transmissibility Index (STI) has been introduced to improve repeatability and reproducibility in the test results for:

1. Mechanical test protocol
2. Amplified test protocol