VOICE AMPLIFIER

QUESTIONS AND ANSWERS

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HEALTH AND SAFETY

Q: What is the Scott Voice Amplifier?

A: The voice amplifier is a miniature, lightweight speech projection device designed to significantly improve voice communications between Scott air-supplied and air-purifying respirator users equipped with AV-2000® or AV-3000® facepieces.

Q: If the mask already has a mechanical voice diaphragm, why is an amplifier needed?

A: The dual voicemitters on AV-2000 and AV-3000 facepieces are the best available voicemitters and project the user's voice clearly. However, speaking into the amplifier with a normal voice will project the user's voice even more loudly. This is a particularly important benefit when the user needs to communicate with someone over a distance.

Q: How is it used?

A: The voice amplifier is attached to the AV-2000 or AV-3000 facepiece's right-side voicemitter.

Q: How is the voicemitter attached?

A: A mounting bracket is first installed externally to the facepiece voicemitter. The amplifier then may be inserted or taken off manually as often as required. The amplifier is installed by simply inserting it into the mounting bracket and giving it a quick quarter turn counter-clockwise until it snaps into place.

Q: How is the voice amplifier taken off?

A: The user just needs to press back a thumb latch and rotate the device a quarter turn clockwise to remove the amplifier.

Q: Can the amplifier be inserted and removed with a gloved hand?

A: Yes. The device is specially-designed to be easily handled by a user wearing gloves.

Q: How easy is it to install the mounting bracket?

A: The mounting bracket is attached to the voicemitter using a Phillips head screwdriver.

Q: How is the amplifier powered?

A: Power is provided by a single 9-volt alkaline battery.

Q: How long will the amplifier function on a single battery?

A: A fresh battery will provide power for approximately 20 hours of continuous talking. Since it's unlikely that an amplifier will be used continuously, you should get significantly longer than 20 hours of actual performance out of a single battery.

Q: What if the battery goes dead when in use? Do I still have a mechanical voicemitter for emergency communications backup?

A: Yes. Should the battery fail, simply remove the amplifier by rotating it to the release position, and you still have existing voicemitter capability for voice communications.

Q: Can the amplifier be exchanged among other respirator users?

A: Yes. The voice amplifier is field-transferable as long as each facepiece has a mounting bracket installed on the AV-2000® or AV-3000® facepiece voicemitters.

Q: Will the amplifier make it more difficult to clean my facepiece?

A: Not at all. Simply remove the voice amplifier from the facepiece prior to cleaning.

Q: What are the dimensions and weight of the amplifier?

A: The amplifier is less than 3 x 3 inches across and only 1.85 inches deep. The device weighs just six ounces (168g).

Q: What approvals does the voice amplifier have?

A: The device is NIOSH approved and is NFPA-1981 (current edition) compliant. It is ETL listed for intrinsic safety Class I, II and III, Groups A, B, C, D, E, F and G.

Q: Will the amplifier work on all Scott facepieces?

A: The amplifier is designed only to be used on the AV-2000 or AV-3000 facepieces.

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