



SAMARITAN

SEP Auditory Protection

Reducing the economic impact of hearing impairment and noise-induced hearing injury among active duty US Service Members



QUESTION: HOW MUCH IS YOUR HEARING WORTH?

Unresolved Hearing Protection Issues

● **FACT:**

There is no custom reusable ear protection currently available on the market that provides a complete seal under water or at high altitude.

- ✓ Custom ear protection is costly 80% more
- ✓ Custom ear protection involves a custom-made ear tip and audiologist
- ✓ Environmental conditions can enhance dirt leading to bacteria and infection
- ✓ Custom ear protection requires maintenance
- ✓ Ear infection leads to medical issues and in some cases permanent damage

● **FIX: Samaritan (SEP) Provides a Complete Custom Seal**

- ✓ Comfortable
- ✓ Effective & Efficient
- ✓ Low Profile
- ✓ Doubles Db Protection with Electronic Earplugs
- ✓ Convenient
- ✓ Easily Removed
- ✓ Medical Grade Material

● **ANSWER: Samaritan is the answer to 'Noise Reduction Rating' (NRR) & (SPL) 'Sound Pressure Levels'**

- ✓ **Protect Your Ears Without Compromising Your Communications, Balance or Awareness**

Auditory Complications Properly Treated with Samaritan SEP

Severe Auditory complications are largely preventable. It is important to identify and treat complications, and the goal is to prevent them by the use of **Samaritan Ear Pro (SEP)**

- ✓ Maintaining connectivity-SEP enhances communications by reducing noise exposure especially for high-frequency sounds in **Urban Dense & Subterranean Environments**
- ✓ Maintaining connectivity - with infused antiseptic Samaritan can increase a soldier's comfort, effectiveness, & limit exposure levels and reduce headaches.
- ✓ Thorough assessment – Samaritan completely seals surrounding tissue spaces at an extra 40 (dB SPL) and provides an extra layer of decibel protection for 'Sound Pressure Levels', Explosions and 'Noise Reduction Rating' (NRR) while allowing the operator to communicate.

Typical Complications

- ✓ For some people, it is a life altering condition
- ✓ In most cases, there is no specific cure for tinnitus
- ✓ Hearing plays a vital role in the performance of a soldier and is important for processing speech

TECHNOLOGY SOLUTIONS THAT WORK TO PREVENT HEARING DAMAGE

Tinnitus is The Number One Disability for Veterans

Nearly 1.5 million veterans are currently receiving disability benefits for hearing loss.

Statistics show that the problems cost billions USD every year. Veterans have higher rates of tinnitus than the general public due to the noise levels they encounter while in the service, including gunfire, machinery, aircraft, and much more.

Tinnitus is classified in one of two categories:

1. Subjective tinnitus is a condition whereby only the sufferer can hear the noise produced within their head.
2. Objective tinnitus is a condition whereby others are able to hear sounds like clicks or crackling inside the middle ear.

Noise-induced hearing loss is a significant impairment in the military and can affect combat performance. Typically caused by intense impulse of sounds or by a continuous steady-state long-term exposure with sound pressure levels higher than 75–85 decibel (dB SPL)

Application Development

Approved Patent - "Methods for Wound Treatment"

All Ingredients FDA Certified

Uses

- Custom Modeled Ear Protection Solutions
- SEP is a bridge to enhance ear protection systems while adding a more custom feel to communication devices and delivering an individual fit for asymmetrical ear dimension

Features

- ✓ Non-Stinging / Non-Staining / Odorless
- ✓ Protective and Acoustic Noise Barrier
- ✓ Non-Chemical / Nontoxic & Water Repellent
- ✓ No-Mixing / Cure Time 30 Seconds
- ✓ No-Irritation to the Skin (Hypoallergenic)
- ✓ Efficient and Simple / Zero Complexity
- ✓ Cost Effective
- ✓ Anti-microbial Silver / Inhibits harmful bacteria



Samaritan Ear Applications

Learn More: Leveraging Existing Capabilities

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