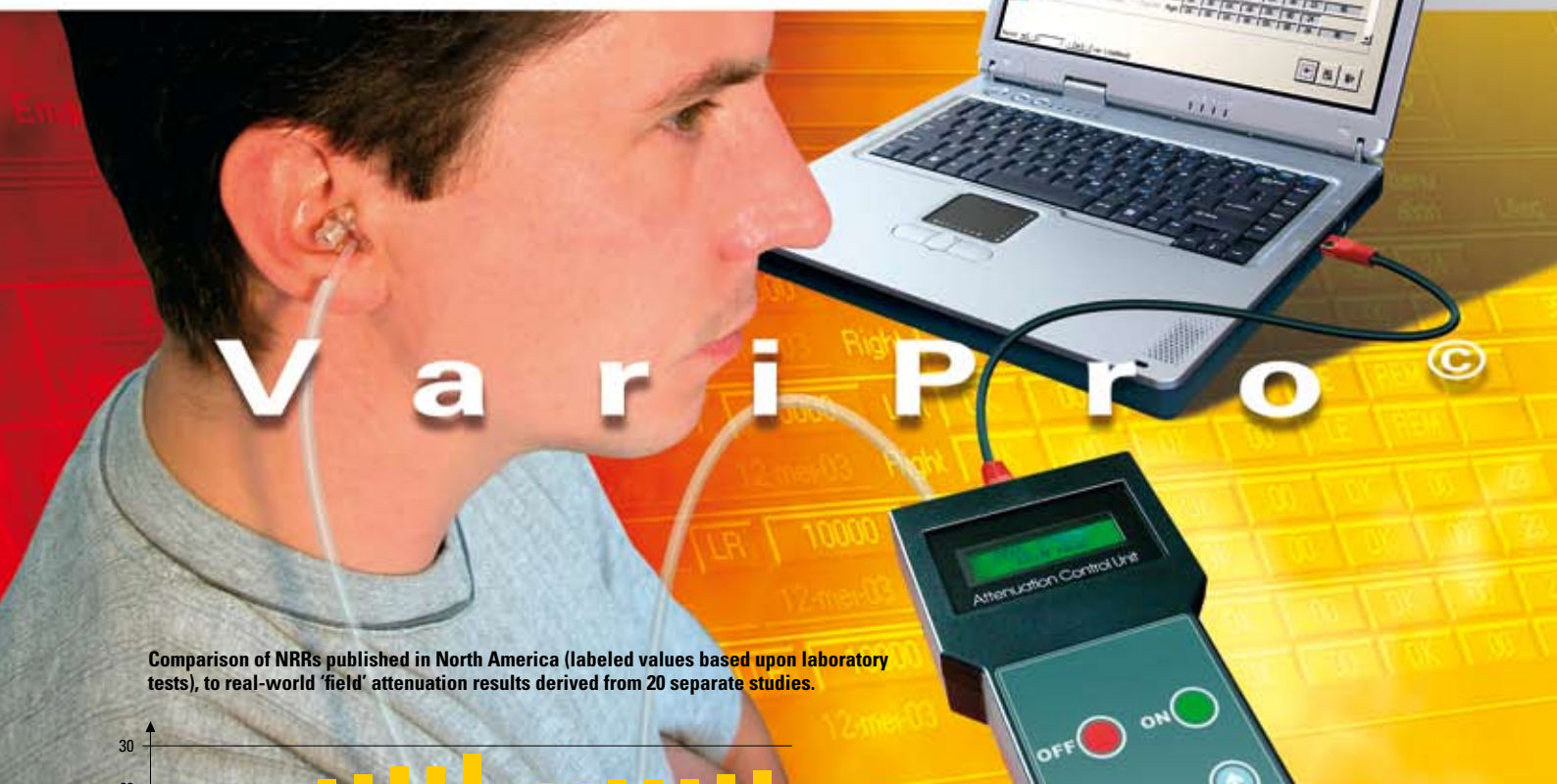


Hearing conservation program

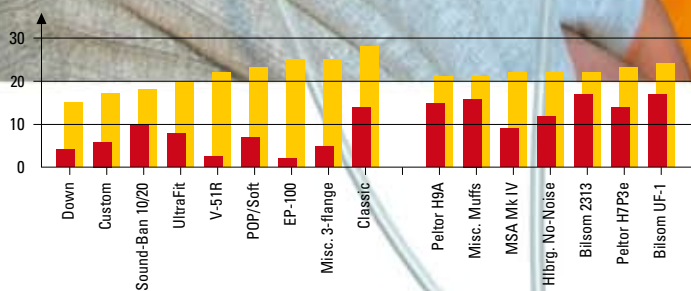
Despite the fact that noise induced deafness ranks in the top 3 of the occupational illnesses research has proven that most personal hearing protection products fail to protect as expected. The 'real world' performance of these hearing protectors falls short of the labeled values which are derived from testing in conformance with current requirements.

The 'real life' performance of these hearing protectors show a negative deviation from that laboratory tested to gain approval for product standards.

Only by a comprehensive hearing care program can the battle against noise induced deafness be won. The 'Varipro'® hearing conservation policy provides the solution.



Comparison of NRRs published in North America (labeled values based upon laboratory tests), to real-world 'field' attenuation results derived from 20 separate studies.



■ Real life performance E. H. Berger, 1993, copyright 2000 Aearo Company.
 ■ Test in laboratories

How does the Varipro® program function?

The Varipro® hearing conservation program is a preventive hearing care policy with focusing on the assumption that the chance of noise induced deafness for an individual can be reduced to an absolute minimum. It is primarily an active hearing care policy with regular monitoring and service checks of all the factors that can influence the efficiency of personal hearing protection.

As a bonus there is a status report to the employer continually updating data that has been entered in our central database during the period of care. These reports keep you informed and in a sound position to audit the status of hearing protection of your workforce. Every year the company will receive a certificate awarded for their innovation in the battle against noise induced deafness.

Workflow

Every participant will be supplied with a pair of comfortable Variphone® hearing protectors. The unique 2-canal design of this custom made hearing protector allows for regular quality controls and check ups speedily and efficiently.

Motivation

Every participant will be well informed on the harmful effects of noise. They will receive the instructions on the correct use of their custom made hearing protectors and will be educated about their own responsibilities.

Monitoring

The Variphone® hearing protectors will be checked regularly (usually annual) on wearing comfort, leaktightness, attenuation and the frequency of wearing. All tests will be done with a calibrated digital measurement device (ACU - Attenuation Control Unit)

Maintenance

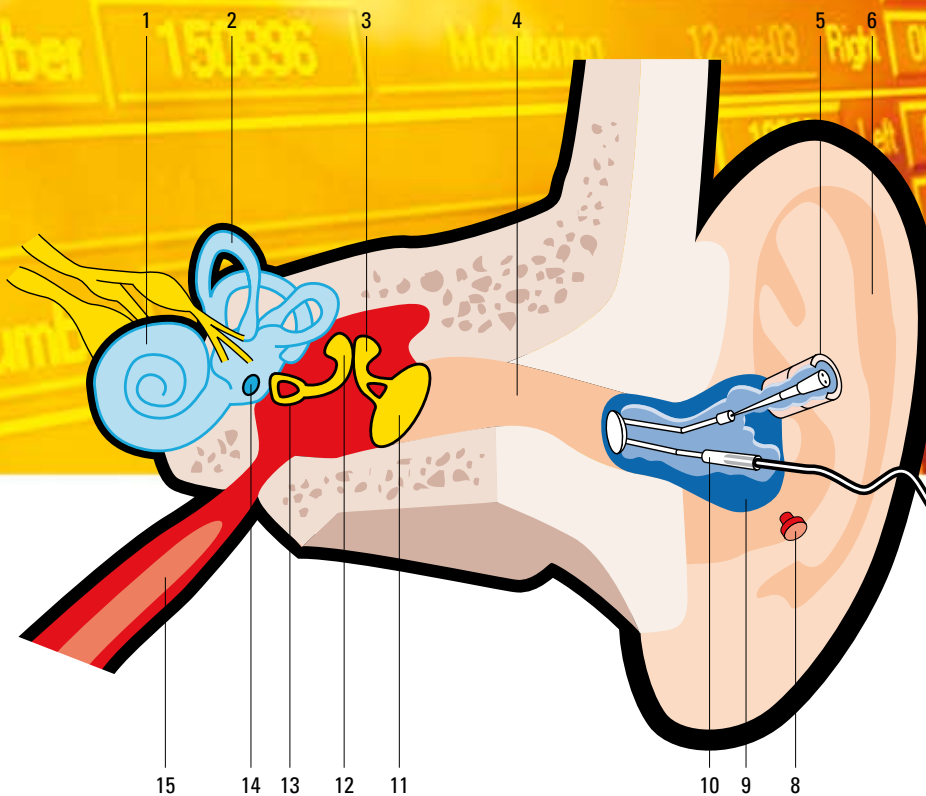
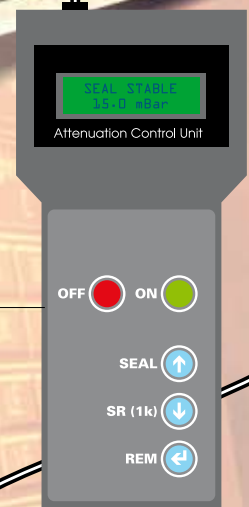
The Variphone® hearing protectors will be cleaned ultrasonically.

Central database

All relevant data concerning the Variphone® hearing protectors and their user will be gathered and stored in a central database. In this way a historic overview will be built up of the efficiency and effectiveness of the hearing protection. Regular status reports will keep you informed.

Warranty

The Variphone® hearing protectors have an unlimited warranty. Defective or non-functioning will be replaced for free. Plus the Varipro® program covers 50% of the cost for lost replacement.



1. Cochlea
2. Semi-circular canals
3. Malleus (Hammer)
4. Ear canal
5. Attenuation valve
6. Pinna
7. ACU measurement device
8. Test canal cap
9. Variphone® hearing protector
10. Test canal
11. Tympanic Membrane
12. Incus (Anvil)
13. Stapes (Stirrup)
14. Round window
15. Eustachian Tube

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