

NOISE REDUCTION RATING (NRR) SPECIFICATIONS

TruEarz™ Filtered Earplug



TruEarz™ filtered earplug when used with Comply™ foam eartip
(toggle filter in the closed position)

Attenuation Data (re: ANSI S3.19-1974)										
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation in dB	33.3	30.0	33.3	36.1	38.8	43.4	43.2	44.3	46.9	29
Standard Deviation in dB	4.0	2.2	3.1	3.9	3.4	4.0	4.3	2.8	2.8	

TruEarz™ HiFi filtered earplug when used with Comply™ foam eartip

Attenuation Data (re: ANSI S3.19-1974)										
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation in dB	30.4	27.8	29.7	29.1	29.0	32.8	32.1	41.0	38.8	22
Standard Deviation in dB	2.8	2.4	2.5	2.9	3.8	3.2	3.3	4.1	3.6	

TruEarz™ Lite filtered earplug when used with Comply™ foam eartip

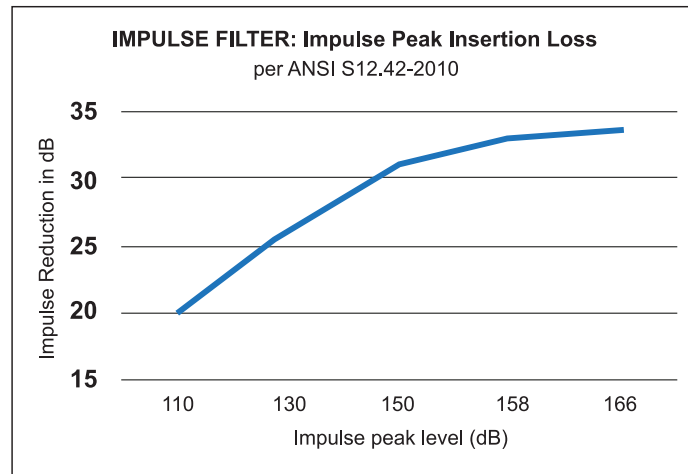
Attenuation Data (re: ANSI S3.19-1974)										
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation in dB	18.8	15.6	15.3	13.9	23.8	29.3	28.2	32.4	28.6	11
Standard Deviation in dB	3.1	2.7	2.4	2.1	4.5	3.3	2.4	4.1	4.1	

TruEarz™ Impulse filtered earplug when used with Comply™ foam eartip*

Attenuation Data (re: ANSI S3.19-1974)											
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA CLASS
Mean Attenuation in dB	16.2	18.6	22.8	26.4	30.1	31.9	36.4	42.6	38.1	20	B
Standard Deviation in dB	3.0	2.7	1.8	2.3	2.9	3.0	3.9	2.5	1.8		

(Continued on page 2)

*Example impulse peak lab data for Impulse Filter



The level of noise entering a person's ear, when the hearing protector is well-fitted and worn as directed, is approximated by the difference between the environmental noise level and the NRR (A-weighted environmental noise measurements must be corrected by 7 dB).

A more precise estimate of field performance can be determined by Individual Fit Testing. This personalized test is performed under typical wear conditions and results in a "Personal Attenuation Rating" (PAR) for each worker. Contact CavCom to learn more about applying NRR data and options for Individual Fit Testing.

Cautions

- Although hearing protectors can be effective against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. See IPIL data for estimates of protection against impulse noise.
- Improper fit of this device will reduce its effectiveness in attenuating noise. Consult CavCom's product instructions for guidance on proper fit, care and use.

**Comply is a registered trademark of Hearing Components, Inc.*