CAVCOM
NOTHING SOUNDS SAFER®

Technical Data

NOISE REDUCTION RATING SPECIFICATIONS

OMNI UNIVERSAL EARSETS

OMNI earset when used with Comply™ foam eartip

(solid earpieces and earpieces with toggle filter in closed position)

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	33.3	30.0	33.3	36.1	38.8	43.4	43.2	44.3	46.9	**29**	**AL**
Standard Deviation in dB	4.0	2.2	3.1	3.9	3.4	4.0	4.3	2.8	2.8		

Attenuation Data (re: EN352-2:2020)										
Frequency (Hz)	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**SNR**	**H/M/L**
Mean Attenuation in dB	30.8	29.6	33.6	35.1	35.1	36.8	43.4	46.0	**34**	**34/31/29**
Standard Deviation in dB	6.4	5.5	5.6	5.8	5.4	3.7	5.0	2.8		
Assumed Protective Level in dB	24.4	24.1	28.0	29.3	29.7	33.1	38.4	43.2		

OMNI earset when used with CavCom's 3-flange 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	32.4	30.5	32.0	32.2	34.8	40.2	38.7	38.3	42.9	**24**	**AL**
Standard Deviation in dB	4.1	4.3	5.3	4.2	2.8	4.2	4.4	3.9	3.8		

OMNI filtered earset-HiFi 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	30.4	27.8	29.7	29.1	29.0	32.8	32.1	41.0	38.8	**22**	**BL**
Standard Deviation in dB	2.8	2.4	2.5	2.9	3.8	3.2	3.3	4.1	3.6		

OMNI filtered earset-Lite when used with Comply™ foam eartip

(including earpieces with toggle filter in open position)

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	18.8	15.6	15.3	13.9	23.8	29.3	28.2	32.4	28.6	**11**	**C**
Standard Deviation in dB	3.1	2.7	2.4	2.1	4.5	3.3	2.4	4.1	4.1		

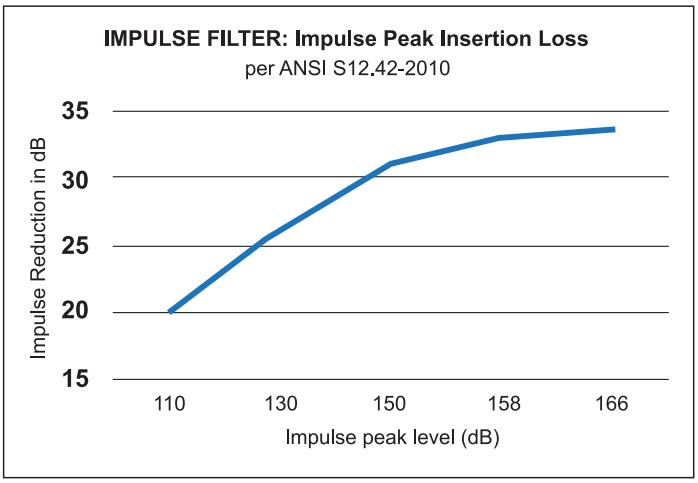
(Continued on back)

(Continued from front)

OMNI filtered earset-Impulse, 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		

***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). For instructions on how to apply the CSA Class in Canada, refer to CSA Z94.2-14: Hearing Protection Devices - Performance, Selection, Care and Use. For instructions on how to apply the SNR and HML in Europe, refer to EN352-2:2020: Hearing Protectors - Part 2: Earplugs.

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 ratings 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) and similar noise ratings (CSA, SNR, HML, etc.) are 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.*