V-Flex

Hearing protection for industry and motorcyclists

Selective hearing protection tailored to your ears!

Our V-Flex is a durable custom-made hearing protector that combines high-quality protection with optimal wearing comfort. There is a choice between two material options: acrylic or silicone, each with a perfectly fitting fit that offers long-lasting wearing comfort, even with intensive use.

To guarantee the right protection, you can choose from 5 different industrial damping filters. The most suitable attenuation value can thus be selected based on your specific noise exposure and/or work situation.

In short: the V-Flex is the ideal hearing protector for industrial environments and perfect to wear under a helmet – comfortable, durable and extremely effective.

For more information visit variphone.com

VARIPHONE

Safe and sound hearing

V-Flex

Industry

In the workplace, noise levels can rise quickly, making hearing damage a real risk. It is therefore essential to wear your hearing protection correctly and consistently on a daily basis. The V-Flex offers the ideal solution for this: thanks to effective damping in the high frequencies and excellent wearing comfort, it is particularly suitable for industrial use. If desired, the V-Flex can be equipped with a cord and/or attachment clip to prevent loss.

V-Flex

Motorcyclists

The importance of hearing protection is often underestimated by motorcyclists, while measurements show that the safe noise limits are often exceeded. For this group, Variphone offers the V-Flex Moto: a hearing protector that effectively filters wind noise, without losing the ambient noise. For optimal wearing comfort, the V-Flex Moto is designed in such a way that the hearing protection fits perfectly under the helmet.

V-Flex (+)

Method

Manufacturing this hearing protection requires a pair of ear impressions (physical or 3D scans). You can contact our network of distributors for this (information can be found via: https://variphone.com/nl/all-dealers).

V-Flex Moto

Once we have received your impressions, we can proceed to the production of the hearing protection in our laboratory. After completing production, a second appointment follows. During this moment, a functional check will be carried out and you will receive a personal explanation about the correct use and maintenance of your hearing protection.

Authorised distributor

Specifications

CLASSIFICATION
- 1 CANAL DESIGN WITH SELECTIVE ATTENUATION FILTER

VERSION
- STANDARD ITC

MATERIAL
- EXTRA SOFT SILICON MATERIAL
- ACRYLIC (+)

WEIGHT
- ON AVERAGE 4 g

INDIVIDUAL COMPONENTS
- 5 DIFFERENT ATTENUATION VALUES

ACCESSORIES
- POUCH, CLEANING CLOTH, TOOL FOR EARWAX REMOVAL, MANUAL

OPTIONS
- CORD, CLIP, BALL BEARING (FOR METAL DETECTION)

FUNCTIONAL CHECK
- PNEUMATIC OR REAT

QUALITY LABEL
- EN 352-2: 2020+A1:2024

Attenuation values

V-FLEX / V-FLEX MOTO

Hz	63	125	250	500	1 K	2 K	4 K	8 K
Mf [dB]								
LIGHT	7,1	7,8	8,2	13,4	19,4	29,6	29,8	33,9
MEDIUM	8,8	11,8	13,6	17,1	21,4	31,2	29,1	35,0
STRONG	12,7	15,7	16,9	19,5	23,6	30,6	30,6	34,6
EXTRA STRONG	22,1	24,9	24,3	26,6	27,0	33,6	32,1	38,1
MAX	29,0	32,4	29,9	32,1	31,5	36,3	31,5	40,9
Sf [dB]								
LIGHT	2,8	3,2	2,6	2,4	2,8	3,7	3,0	4,4
MEDIUM	3,6	3,2	2,0	3,2	3,1	3,5	3,6	4,7
STRONG	3,4	2,9	2,3	3,1	2,9	2,8	3,6	4,9
EXTRA STRONG	3,1	3,2	2,7	3,8	2,7	3,1	3,8	4,6
MAX	3,9	3,5	3,9	5,0	3,7	4,3	3,2	4,2
APV [dB]								
LIGHT	4,3	4,6	5,6	11,0	16,6	25,9	26,8	29,5
MEDIUM	5,2	8,6	11,6	13,9	18,3	27,7	25,5	30,3
STRONG	9,3	12,8	14,6	16,4	20,7	27,8	27,0	29,7
EXTRA STRONG	19,0	21,7	21,6	22,8	24,3	30,5	28,3	33,5
MAX	25,1	28,9	26,0	27,1	27,8	32,0	28,3	36,7

FILTER [dB]	SNR	H	M	L
LIGHT	18	24	15	9
MEDIUM	21	25	18	14
STRONG	24	27	21	17
EXTRA STRONG	28	30	25	24
MAX	31	31	29	28

V-FLEX (+)

Hz	63	125	250	500	1 K	2 K	4 K	8 K
Mf [dB]								
LIGHT	5,9	7,2	8,2	12,8	19,9	31,0	29,8	38,0
MEDIUM	10,6	12,9	13,1	17,4	21,9	31,4	31,1	38,6
STRONG	17,9	19,3	20,7	22,9	25,6	32,8	33,6	40,8
EXTRA STRONG	23,6	25,8	26,6	29,2	31,7	34,7	37,0	43,6
MAX	27,9	29,3	29,6	29,8	31,6	36,7	41,2	45,8
Sf [dB]								
LIGHT	3,0	3,8	2,2	2,8	2,1	3,5	3,4	4,7
MEDIUM	4,0	4,3	3,1	3,2	2,2	5,0	4,0	4,1
STRONG	5,4	4,2	3,3	3,1	3,4	3,8	3,1	5,4
EXTRA STRONG	3,6	3,3	2,9	3,6	3,3	3,7	2,8	5,7
MAX	4,6	4,2	4,1	4,3	4,4	3,5	2,5	4,6
APV [dB]								
LIGHT	2,9	3,4	6,0	10,0	17,8	27,5	26,4	33,3
MEDIUM	6,6	8,6	10,0	14,2	19,7	26,4	27,1	34,5
STRONG	12,5	15,1	17,4	19,8	22,2	29,0	30,5	35,4
EXTRA STRONG	20,0	22,5	23,7	25,6	28,4	31,0	34,2	37,9
MAX	23,3	25,1	25,5	25,5	27,2	33,2	38,7	41,2

FILTER [dB]	SNR	H	M	L
LIGHT	18	25	15	9
MEDIUM	21	26	18	13
STRONG	26	29	23	20
EXTRA STRONG	31	32	29	26
MAX	32	34	28	27

Mf: average attenuation
Sf: standard deviation
APVf: assumed protection value
SNR: Single Number Rating

H: mean attenuation in mainly high frequency noise (> 2000 Hz)
M: mean attenuation in mid frequency noise (500-2000 Hz)
L: mean attenuation in low frequency noise (< 500 Hz)

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