

SPECIFICATION

Filtör - DI Industry White

Passive acoustic filters from DEC.

Offering exceptional noise attenuation in a discrete miniature package, the DI series has been designed specifically for industrial applications.

Commonly available industrial earplugs have a tendency to provide too much attenuation where it's not required, this is due to the use of cheap materials and little acoustic design. The resulting response gives muffled speech and sounds. Industrial noises have a tendency to be louder at higher frequencies; DEC's range of DI filters have been designed to provide relatively flat attenuation to remove low frequency noise and aid communication, then a progressive attenuation increase at approximately 4kHz to remove irritating high frequency sounds.



Filtör ensures the user has air constantly flowing into the ear, this ventilation reduces the occlusion effect and irritation within the ear canal maximising user comfort, limiting the causes of inflammation and infection.

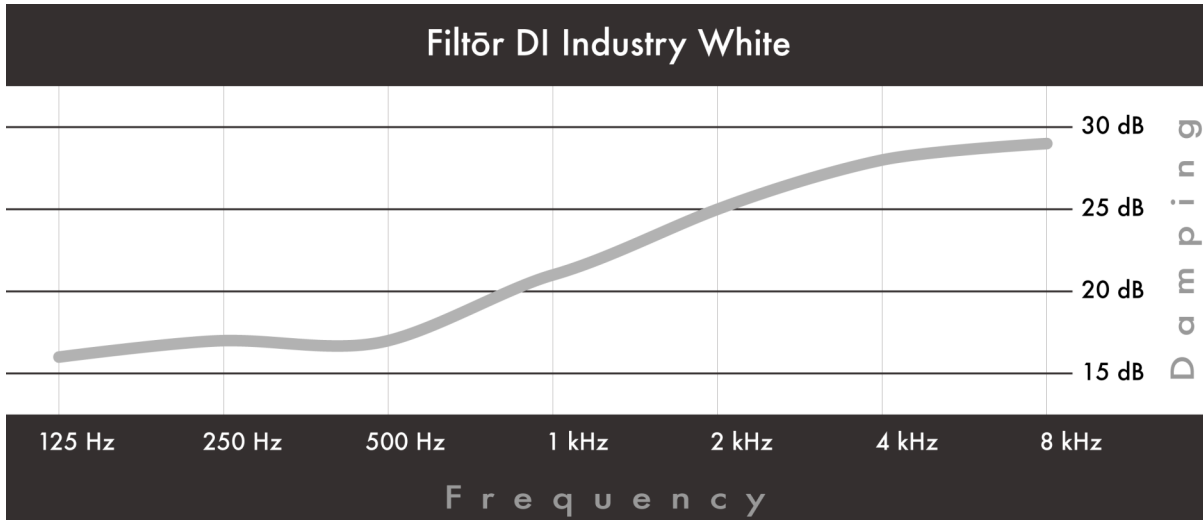
The DI White has an SNR value of 24dB offering high levels of attenuation, suitable for industrial applications with SPL up to 109dB which is suitable for many noisy working environments. Please ensure that a noise assessment is carried out on site before purchasing your hearing protection as it is imperative the correct protection level is used.

The Filtör range of passive protection has been developed for use in both custom earmoulds (soft or hard) and universal plugs. Filtör protection is fully interchangeable with other products from the Dynamic Ear Company.



Acoustic Specification

| Minimum guaranteed damping level [dB] | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | H | M | L | SNR |
|---------------------------------------|--------|--------|--------|-------|-------|-------|-------|----|----|----|-----|
| Filtör DI White | 16 | 17 | 17 | 21 | 25 | 28 | 29 | 26 | 21 | 18 | 24 |



Attenuation is calculated according CE norm EN 353.2 by ISO 4869.2 for high (H), medium (M), low (L) frequency level and as the single noise attenuation rating (SNR).

The requirements for the correct mounting of Filtör DI can be found in 'M-1009-02.PDF'.

Drawing

