



Bilsom Technology

**GENERAL DATA**

**Division :** Head Protection  
**Family :** Hearing Protection  
**Range :** Earmuffs  
**Line :** Noise Blocking Earmuffs  
**Brand formerly known as :** BILSOM

**Business Countries**

EMEA  
 United Kingdom  
 Middle East

**Activity Domains :**

Metal steel • Mining and Quarrying • Offshore • Paper Industries • Petro-chemical • Printing Industries • Services • Telecoms • Textile Industries • Transportation • Utilities • Water treatment • Welding • Wood Industries • Laboratory • Ship Building • Industry • Administration • Agriculture • Army - Defence • Automotive and Part Manufacturer • ATEX environment • Aviation • Building and Construction • Catering • Chemical Industries • Energy or Electricity • Fire Protection brigades • Fishing • Food Industries • Foundry • Glass Industries • Green Spaces • Homeland defense • Industrial Cleaning • Iron and steel industry • Logistics • Maintenance • Medical and Pharmaceutical



**Product Use :**  
 Noise Blocking Earmuff

**PRODUCT ADVANTAGES**

**Feature :**

**Multiple-position headband** allows wearer to select position over-the-head, behind-the-head or under-the-chin. Now features Bilsom's patented **Air Flow Control™ technology**, delivering optimal attenuation across all frequencies, without increasing earcup size or weight.

**Alternative to cap-mounted earmuffs** - wear with hard hats, face shields, respirators and other PPE.

**Non-deforming outer headband** withstands rough treatment in the toughest workplaces.

**Snap-in ear cushions** make replacement quick and easy.

Includes headband strap for better positioning when worn behind-the-head or under-the-chin.

**Dielectric construction** suitable for all workplaces, especially electrical environments.

**Benefit :**

The Viking™ series multiple-position earmuff gives workers flexibility to wear their earmuffs over-the-head, behind-the-head and under-the-chin. Viking earmuffs can be worn with other PPE, including hard hats, visors, face shields, respirators and welding shields. Plus, Viking's robust non-deforming dielectric construction withstands use and abuse, while protecting your workers in electrical environments. **NOW FEATURING AIR FLOW CONTROL™ TECHNOLOGY**

## TECHNICAL DESCRIPTION

SNR (dB) : 30

H (dB) : 32

M (dB) : 28

L (dB) : 21

**Attenuation Data :**

Frequency (Hz) Frequenz (Hz) Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) Mittlere Dämmung (dB) Atténuation moyenne (dB)	17.9	14.1	20.6	25.8	32.0	32.1	33.7	34.4
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	2.4	2.3	3.1	2.5	2.8	2.5	3.1	2.5
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	15.5	11.8	17.5	23.3	29.2	29.6	30.6	31.9

**Earmuff Construction :**

Plastic [or Dielectric]

**Other Material :**

PP webbing, POM, LDPE, PA, EPDM, ABS, PUR-E, PP, PVC

**Dielectric :** Yes

**Color :**

Black and Light Blue

**Batteries Needed :**

None

**Weight (grs) :**

191

**Design Patents :**

Air Flow Control™

**Headband Style :**

Multiple-Position

**Sound Amplification :** No

**AM/FM Radio :** No

**Automatic Shut-Off Function :** No

**Audio Input Jack :** No

**Hi-Visibility :** No

## ADDITIONAL INFORMATION

**Accessories :**

Hygiene Kit - Packed in a plastic bag, including two ear cushions and two foam pads. Ref. # 1006018 for V1  
 Beltclip - For carrying purpose. Old Ref. # 1000252 New Ref. # 1016730 Cool II Pads - Sweat absorbing pads. Ref. # 1000365 5-pair, Ref. # 1000364 100-pair  
 Optisorb - cotton sleeve slides over earcup. Ref. # 3302101  
 Polar Hood - Ref. # 1016870 Lg/XLg; Ref. # 1016871 Sm/Med

**Life Cycle :**

Cushions should be replaced periodically to retain maximum attenuation. Use the following as a guideline for replacement of ear cushions and insert foam. General use and wear - Ear cushions and foam inserts should be replaced at least every 6 months. Heavy use or wear in humid/extreme climates - Ear cushions and foam inserts should be replaced at least every 3 months. Cracking or leakage is visible - replace ear cushions and foam inserts immediately.

**Storage Information :**

When not in use, the earmuffs should be stored in a clean dry container or locker. Do not use solvents or petroleum-based products. Do not immerse the earmuffs in water.

**Care Instruction :**

Earmuffs are an important safety product and should be inspected regularly. Its use, care and maintenance are critical to its effective performance. Earmuffs and in particular ear cushions may deteriorate with use and should be examined at frequent intervals for cracking and leakage. If the ear cushions become hard, damaged or deteriorated, they should be replaced promptly using recommended Hygiene Kits. Earmuffs should be maintained by regular cleaning. Use a mild disinfectant solution. A gentle wipe is all that is required.

**User manual number :**

90010507

**EAN Code :**

7312550109250

**CERTIFICATION AND CONFORMITY****European Directives :**

89/686/EEC

**EC Category PPE\*** : Category II

**Standards :**

EN-352-1:2002

**Quality Assurance :**

ISO 9001 / 2000

**EC Certification Number :**

1486

**EC Attestation Number :**

060353

**Laboratory :**

INSPEC

\*PPE : Personal Protective Equipment

## EC CONFORMITY DECLARATION

**The manufacturer or its legal representative supplier settled in the European Community:**

Howard Leight by Sperian

**Declares that the next Personal Protective Equipment described here after is in conformity with the provisions of Council Directive 89/686/CEE:**

Designation: Viking V1 Multiple-Position Earmuff

Reference: 1010925

Standard(s): EN-352-1:2002

**This PPE is the object of the above EC attestation type:**

060353

**Delivered by:**

INSPEC

56 Leslie Hough Way

Salford

M6 6AJ Greater Manchester

United Kingdom

**Made at Sweden, on the 05/19/2006**

**By:**

**Division:** Head Protection



## EC TYPE-EXAMINATION CERTIFICATE :1486

**Product description:-**

Ear-muffs

**Product identification:-**

Bilsom Viking V1s

**Manufactured by:-**

Bacou-Dalloz AB  
Strandbadsvagen 15  
252 29 Helsingborg  
Sweden

When assessed and examined against harmonised standard EN352-1:2002 is found to be in conformity with Council Directive 89/686/EEC, and associated amendments, relating to personal protective equipment .

Signed .....

K J Warren, Manager, Certification Services

**Date: 19<sup>th</sup> May 2006**

**For and on behalf of INSPEC International Ltd. (Notified Body No: 0194)**

**Terms and Conditions associated with INSPEC**  
**EC Type-Examination Certificate No: 1486**

Reference Documents:-

- |      |                          |   |  |
|------|--------------------------|---|--|
| i)   | Test Reports             | - | INSPEC 06.003.53                                   |
| ii)  | Technical File           | - | INSPEC ref. TF/1486                                |
| iii) | Test and Inspection Plan | - | CE Product Certification, Test and Inspection Plan |

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.

# CERTIFICATION SCHEDULE

COMPANY: Bacou-Dalloz AB

CERTIFICATE NO: EC1486

SCHEDULE NO: ONE

DATE: 19<sup>th</sup> May 2006

Model: Bilsom Viking V1s

Description: B-T-N / O-T-H / U-T-C ear-muff

Size Range: S / M / L

## Attenuation Data

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
Mean att. (dB)	17.9	14.1	20.6	25.8	32.0	32.1	33.7	34.4
Std. Dev. (dB)	2.4	2.3	3.1	2.5	2.8	2.5	3.1	2.5
APV (dB)	15.5	11.8	17.5	23.3	29.2	29.6	30.6	31.9
O-T-H mode:	H = 32dB		M =28 dB		L =21 dB		SNR =30 dB	

Signed for and on behalf of INSPEC.....

Kevin Warren, Manager, Certification Services