



# EC Type-Examination Certificate

**No. CE 59716**

*The certificate is granted to:*

**J S P Limited  
Worsham Mill  
Minster Lovell  
Witney  
Oxford  
OX29 0TA  
United Kingdom**

*In respect of:*

**Powered filtering devices incorporating a helmet to  
EN 12941:1998 and EN 12941:1998+A2:2008  
Model ranges: PowerCap® and Jetstream™**

On the basis of our examination, under the requirements of Council Directive 89/686/EEC "Personal Protective Equipment" Article 10, EC Type-Examination.

*For and on behalf of BSI, a Notified Body for the above Directive (Notified Body Number 0086):*

*Gary Fenton, Global Assurance Director*

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# EC Type-Examination Certificate

**No. CE 59716**

## Product Details:

**Product type:** Power assisted filtering respiratory system incorporating a helmet.

**Model:** PowerCap®.

**Alternative name:** Aircap 2 supplied by Bradwest Safety Limited.

**Technical Specification:** Harmonized European Standard EN 12941:1998.

**EN 12941 classification:** Class TH1.

The respiratory protective properties of the product assessments were based on BS EN 12941:1999, the English language version of EN 12941:1998 – Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood.

The respiratory protective system consists of four basic elements, a model TopCap bump cap, a motor and filter assembly, a faceshield and a battery pack. The motor and filter assembly and the faceshield are mounted on the peak of the bump cap. In operation air is drawn through the filters and discharged behind the faceshield. The power for the motor is provided by either a belt mounted replaceable or rechargeable battery.

The bump cap provides head protection in accordance with the requirements of BS EN 812:1998, the English language version of EN 812:1997, industrial bump caps, and has been independently assessed and CE Marked. The faceshield forms a vital part of the respiratory system but is not designed to provide eye protection.

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## EC Type-Examination Certificate

**No. CE 59716**

**Product type:** Power assisted filtering respiratory system incorporating a helmet.

**Model:** PowerCap® ip.

**Technical Specification:** Harmonized European Standard EN 12941:1998.

**EN 12941 classification:** Class TH1.

The respiratory protective properties of the product assessments were based on BS EN 12941:1999, the English language version of EN 12941:1998 – Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood.

The respiratory protective system consists of four basic elements, a model TopCap bump cap, a motor and filter assembly, a faceshield and a battery pack.

The motor and filter assembly and the faceshield are mounted on the peak of the bump cap. In operation air is drawn through the filters and discharged behind the faceshield. The power for the motor is provided by either a belt mounted replaceable or rechargeable battery.

The bump cap provides head protection in accordance with the requirements of BS EN 812:1998, the English language version of EN 812:1997, industrial bump caps, and has been independently assessed and CE Marked. The faceshield is designed to provide eye protection to EN 166:1995, optical class 1 with high speed particle medium energy impact, liquid droplets and liquid splashes and molten metals and hot solids options, the faceshield assessment forming part of the assessment of the PowerCap® ip system.

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## EC Type-Examination Certificate

**No. CE 59716**

**Product type:** Power assisted filtering respiratory system incorporating a helmet.

**Model:** PowerCap® Lite.

**Technical Specification:** Harmonized European Standard EN 12941:1998.

**EN 12941 classification:** Class TH1.

The respiratory protective properties of the product assessments were based on BS EN 12941:1999, the English language version of EN 12941:1998 – Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood.

The respiratory protective system consists of three basic elements, a baseball style cap, a motor and filter assembly, and a faceshield.

The motor and filter assembly and the faceshield are mounted on the peak of the cap. In operation air is drawn through the filters and discharged behind the faceshield. The power for the motor is provided by a battery mounted at the rear of the bump cap.

The cap and faceshield are vital parts of the respiratory system but are not designed to provide head or eye protection.



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# EC Type-Examination Certificate

**No. CE 59716**

**Product type:** Power assisted filtering respiratory system incorporating a helmet.

**Model:** Jetstream™ and Jetstream™ GV-X.

**Technical Specification:** Harmonized European Standard EN 12941:1998.

**EN 12941 classification:** Class TH2 (both models).

The respiratory protective properties of the product assessments were based on BS EN 12941:1999, the English language version of EN 12941:1998 – Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood.

The respiratory protective systems consist of a head unit and a waist-belt mounted air filter unit. The head unit, which can be one of the types detailed below, includes a breathing hose for connecting the unit to one of the two types of air filter unit detailed below.

The air filter units consist of a motor/control unit with integral re-chargeable batteries onto which a JSP Jetstream bayonet fixing type filter is fitted.

## Air Filter Unit:

The respiratory protection provided by the systems is dependent upon the type of air filter unit and filters used for the system and is as follows:

### Jetstream™ unit:

EN 12941 class TH2 unit for use with a filter for particles.

### Jetstream™ GV-X unit:

EN 12941 class TH2 unit for use with a filter for particles and/or organic gases and vapours with boiling points above 65°C.

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**Jetstream™ and Jetstream™ GV-X (continued)**

**Head Units:**

Head unit	Non respiratory protection	Details
Fabric hood with clear polycarbonate visor	None	-
Clear PVC hood with polycarbonate visor	None	-
TYVEK hood with polycarbonate visor	None	-
Faceshield unit with clear visor	Eye protection	(1)
JSP Mk VI industrial safety helmet with visor	Head and eye protection	(2)
JSP Mk VII industrial safety helmet with visor	Head and eye protection	(2)

- (1) Eye protection to EN 166:1995, optical class 1 visor with high speed particle medium energy impact, liquid droplets and liquid splashes and molten metal and hot solids options.
- (2) Head protection to EN 397:1995, with the  $-20^{\circ}\text{C}$  performance and electrical insulation options, and eye protection to EN 166:1995, optical class 1 with high speed particle medium energy impact, liquid droplets and liquid splashes and molten metal and hot solids options.

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## EC Type-Examination Certificate

**No. CE 59716**

**Product type:** Power assisted filtering respiratory system incorporating a helmet.

**Model:** PowerCap® Active™.

**Technical Specification:** Harmonized European Standard EN 12941:1998+A2:2008.

**EN 12941 classification:** Class TH1.

The respiratory protective properties of the product assessments were based on BS EN 12941:1999+A2:2008, the English language version of EN 12941:1998+A2:2008 – Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood.

The respiratory protective system consists of three basic elements, a baseball style cap, a motor and filter assembly, and a faceshield.

The motor and filter assembly and the faceshield are mounted on the peak of the cap. In operation air is drawn through the filters and discharged behind the faceshield. The power for the motor is provided by a rechargeable battery mounted at the rear of the bump cap.

The cap and faceshield are vital parts of the respiratory system but are not designed to provide head or eye protection.



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## EC Type-Examination Certificate

**No. CE 59716**

**Product type:** Power assisted filtering respiratory system incorporating a helmet.

**Model:** PowerCap® Active™ ip.

**Technical Specification:** Harmonized European Standard EN 12941:1998+A2:2008.

**EN 12941 classification:** Class TH1.

The respiratory protective properties of the product assessments were based on BS EN 12941:1999+A2:2008, the English language version of EN 12941:1998+A2:2008 – Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood.

The respiratory protective system consists of four basic elements, a model TopCap bump cap, a motor and filter assembly, a faceshield and a battery pack.

The motor and filter assembly and the faceshield are mounted on the peak of the bump cap. In operation air is drawn through the filters and discharged behind the faceshield. The power for the motor is provided by a rechargeable battery mounted at the rear of the bump cap.

The bump cap provides head protection in accordance with the requirements of BS EN 812:1998, the English language version of EN 812:1997, industrial bump caps, and has been independently assessed and CE Marked. The faceshield is designed to provide eye protection to EN 166:1995, optical class 1 with high speed particle medium energy impact, liquid droplets and liquid splashes and molten metals and hot solids options, the faceshield assessment forming part of the assessment of the PowerCap® Active™ ip system.

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Certificate Administration Details.

Technical Files:

Powercap®, PowerCap® ip and PowerCap® Lite:	CAB-601-100-300
Jetstream™ and Jetstream™ GV-X:	CBA-610-201-100
PowerCap® Active™ and PowerCap® Active™ ip:	CAE602-941-100

Record of Certificate Amendment and related confidential internal BSI report:

Issue date	Comments	Report No.
12 September 2001	First issue, model PowerCap®	0086:01:0833
22 July 2002	Model Jetstream™ added.	0086:02:1077
27 July 2005	Model Jetstream™ GV-X added.	0086:05:1650
1 March 2006	Models PowerCap® ip and PowerCap® Lite added.	0086:05:1712
Latest Issue	Models PowerCap® Active™ and PowerCap® Active™ ip added.	0086:7779221

Certificate validity

The Certificate holder is responsible for keeping the Notified Body advised of changes to any aspect of the overall processes utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate is also dependent upon the maintenance of Certificate CE 1543 issued by BSI for the annual assessment for EC quality of production by monitoring, PPE Directive Article 11B.

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