

# EC Type Examination Certificate

This is to certify that: Centurion Safety Products Ltd  
Howlett Way  
Fison Way Industrial Estate  
Thetford  
IP24 1HZ  
United Kingdom

Holds Certificate Number: CE 01832

In respect of:

**Model Magnum Range of PAPR systems incorporating helmets, hoods, and full face masks  
To EN 12941:1998 + A2:2008 and EN 12942:1999+A2:2008**

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):

  
Chris Lewis - Certification Director, Product Certification

First Issued: 1999-03-01

Latest Issue: 2017-10-05

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# EC Type Examination Certificate

No. CE 01832

## Product Specification

**Range:** Magnum Range of PAPR systems incorporating a helmet, a hood, a half mask or a full face mask.

**Product Description:** Magnum 1000PLUS P2 Power Unit M23/1000 PLUS system with blocked filter and low battery warning alarm. The power unit is used with the following items.  
Min Flow rate: 140 l/min

**Classification:** THP2

## Models in Range:

Product code	Description/Classification
M23RVSN	Saronex Hood with Rigid Visor, EN 166 1 B 9 3
R23FUVN	Flip-up Visor, EN 166 1 B 9 3
M23HFUV	Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
R23CHFUV	Concept Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
M23HFUVHTT	High Temperature Helmet with Clear Triacetate Flip-up Visor, EN 397, EN 166 1 FT 9 3
R23AWH9/13	Welding Helmet with auto darkening lens, EN 379 4/5-9/9-13 1/2/1/1, EN 175-B, EN 166 1B
M23FSWVN	Fixed Shade Welding Visor EN 175
M23LHF	Lightweight Tyvek-F hood (system classification is THP3 with this hood)

## Spares and Accessories:

Product code	Description
R23P2/5	Filter
R23P2OD/5	Filter
M23P3/5	Filter (system classification remains THP2)
R23PF/10	Pre-filter
R23PFOD/10	Pre-filter
M23P2/4B	Battery – Compact
M23HD4B	Battery – Standard
M23SPB	Battery – Standard (M23LHF only)
M23PLUS/HDB	Battery – Heavy Duty

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# EC Type Examination Certificate

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## Product Specification (continued)

**Product Description:** Magnum 2000 P2 Power Unit M23/2000 system with blocked filter and low battery warning alarm. The power unit is used with the following items. Also available branded as ARCO Free Flow Power Unit.

Min Flow rate: 140 l/min

**Classification:** THP2

<b>Models in Range:</b>	<b>Product code</b>	<b>Description/Classification</b>
	M23RVSN	Saronex Hood with Rigid Visor, EN 166 1 B 9 3
	R23FUVN	Flip-up Visor, EN 166 1 B 9 3
	M23HFUV	Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
	R23CHFUV	Concept Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
	M23HFUVHTT	High Temperature Helmet with Clear Triacetate Flip-up Visor, EN 397, EN 166 1 FT 9 3
	M23FSWVN	Fixed Shade Welding Visor EN 175
	M23LHF	Lightweight Tyvek-F hood (system classification is THP3 with this hood)

<b>Spares and Accessories:</b>	<b>Product code</b>	<b>Description</b>
	R23P2/5	Filter
	R23P2OD/5	Filter
	M23P3/5	Filter (system classification remains THP2)
	R23PF/10	Pre-filter
	R23PFOD/10	Pre-filter
	M23P2/4B	Battery – Compact
	M23HD4B	Battery – Standard
	M23SPB	Battery – Standard (M23LHF only)
	M23PLUS/HDB	Battery – Heavy Duty

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## Product Specification (continued)

**Product Description:** Magnum Concept Air 2000PLUS P2 Power Unit R23/2000PLUS system with blocked filter and low battery warning alarm. The power unit is used with the following items.  
Min Flow rate: 140 l/min

**Classification:** THP2

Models in Range:	Product code	Description/Classification
	M23RVSN	Saronex Hood with Rigid Visor, EN 166 1 B 9 3
	R23FUVN	Flip-up Visor, EN 166 1 B 9 3
	M23HFUV	Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
	R23CHFUV	Concept Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
	M23HFUVHTT	High Temperature Helmet with Clear Triacetate Flip-up Visor, EN 397, EN 166 1 FT 9 3
	R23AWH9/13	Welding Helmet with auto darkening lens, EN 379 4/5-9/9-13 1/2/1/1, EN 175-B, EN 166 1B
	M23FSWVN	Fixed Shade Welding Visor EN 175
	M23LHF	Lightweight Tyvek-F hood (system classification is THP3 with this hood)

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## Product Specification (continued)

Spares and Accessories:	Product code	Description
	R23P2/5	Filter
	R23P2OD/5	Filter
	M23P3/5	Filter (system classification remains THP2)
	R23PF/10	Pre-filter
	R23PFOD/10	Pre-filter
	R23PHS	Proban hose sleeve
	R23HAHD	Spare hose heavy duty
	R23HAHDL	Spare hose heavy duty long (1m)
	R23OLCH	Spare outer lens (for use in R23AWH9/13 system)
	R23ILCH	Spare inner lens (for use in R23AWH9/13 system)
	R23SBAWH	Spare sweatband +bolts (for use in R23AWH9/13 system)
	R23ADFH9/13	Replacement ADF for R23AWH9/13
	R23CAWF	Spare Head/Face seal for R23AWH9/13
	R23FN	Spare face seal for R23FUVN
	R23SB	Spare sweatband for head pieces
	R23BLI	Battery –Li-Ion
	R23BCLI	Battery Charger –Li-Ion
	M23P2/4B	Battery – Compact
	M23HD4B	Battery – Standard
	M23SPB	Battery – Standard
	M23PLUS/HDB	Battery – Heavy Duty

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# EC Type Examination Certificate

No. CE 01832

## Product Specification (continued)

**Product Description:** Magnum 8500 DIN 40 P3 Power Unit M23/8500 system with blocked filter and low battery warning alarm. The power unit is used with the following items.  
Min Flow rate: 140 l/min

**Classification:** THP2

<b>Models in Range:</b>	<b>Product code</b>	<b>Description/Classification</b>
	M23RVSN	Saronex Hood with Rigid Visor, EN 166 1 B 9 3
	R23FUVN	Flip-up Visor, EN 166 1 B 9 3
	M23HFUV	Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
	R23CHFUV	Concept Helmet with Flip-up Visor, EN 397, EN 166 1 B 9 3
	M23FSWVN	Fixed Shade Welding Visor EN 175
	M23LHF	Lightweight Tyvek-F hood (system classification is THP3 with this hood)
	M23FH/8	Full Hood (system classification is THP3 with this hood)
	M23HS/8	Half Suit (system classification is THP3 with this half suit)

<b>Spares and Accessories:</b>	<b>Product code</b>	<b>Description</b>
	M09A1P2	Filter
	M23P3SL/6	Filter (system classification remains THP2)
	M23PF/20	Pre-filter (M23P3SL/6 filter only)
	M09PF	Pre-filter
	M23SPB	Battery – Standard

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## Product Specification (continued)

**Product Description:** Magnum 8500 DIN 40 P3 Power Unit M23/8500 system with blocked filter and low battery warning alarm. The power unit is used with the following items.  
Min Flow rate: 140 l/min

**Classification:** TMP3

<b>Models in Range:</b>	<b>Product code</b>	<b>Description/Classification</b>
	M23FFSC3	Full Face Mask (TR2002) with Twin Hose, TMP3, EN 136

<b>Spares and Accessories:</b>	<b>Product code</b>	<b>Description</b>
	M23P3SL/6	Filter
	M23ABEK2/P3	Filter
	M23A2/P3	Filter
	M23B2/P3	Filter
	M23AX/P3	Filter
	M23PF/20	Pre-filter (M23P3SL/6 filter only)
	M23SPB	Battery – Standard

**Technical Specifications:** EN 12941:1998+A2:2008 Respiratory protective devices — Powered filtering devices incorporating a helmet or a hood — Requirements, testing, marking  
EN 12942:1999+A2:2008 Respiratory protective devices — Power assisted filtering devices incorporating full face masks, half masks or quarter masks — Requirements, testing, marking  
EN 397:2012+A1:2012 Industrial safety helmets  
EN 166:2002 Personal eye-protection - Specifications  
EN 379:2003+A1:2009 Personal eye-protection - Automatic welding filters  
EN 175:1997 Personal protection - Equipment for eye and face protection during welding and allied processes

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## Certificate Administration Details

**Technical File Reference:** 'M23 MAGNUM'

## Certificate Administration Record and BSI internal Technical File Review reference

Issue date	Comments	BSI Project Ref.
November 2001	Filter M23P20D/5 and pre-filters M23PF10, M213PFOD/10 and M09PF added and hose details for the 8500 N10 variant.	0086:01:0920
August 2002	Lightweight Tyvek-F hood and charger M23UIC added.	0086:02:1112
June 2005	Headpiece M23HFUVHTGP added.	0086:02:1640
February 2010	Headpiece M23FFSC3 added.	0086:10:7478138/1
April 2010	Headpiece M23AWS9/13 added.	0086:10:7505967
July 2010	ARCO Free Flow brand power unit added.	0086:10:7545399
October 2011	BS EN 166 Classification Symbols added.	0086:11:7755854
January 2012	Concept based system added.	0086:12:7761673
April 2012	Delete some Battery and Charger references and amend and correct information formatting.	0086:12:7804025
June 2012	Addition of M23/1000PLUS and M23/2000PLUS based systems.	0086:12:7729130
July 2012	Addition of M23/2000PLUS TH3P Headpiece details omitted from previous issue.	0086:12:7859000
June 2013	Addition of M23HFUVVGT3 Visor and Heavy Duty Battery.	0086:13:7998580
May 2017	Addition of M23AWH9/13 welding helmet and removal of obsolete models M23AWSN and M23AWSN9/13.	0086:17:8639008
October 2017	Rebrand of some models from "M" to "R" product codes and removal of obsolete models M23/4000 and M23/8000 and addition of Li-Ion battery.	0086:17:8848170

Note: The Certificate holder is responsible for keeping the Notified Body advised of changes to any aspect of the overall process used in the manufacture of the product.

## Monitoring of manufactured PPE

The EC Quality of Production by Monitoring requirements, Article 11B, for the product are referenced in BSI issued Certificate Number CE 01544.

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