

ALPHA
S O L W A Y



**PERSONAL PROTECTION
SOLUTIONS**

QUALITY
MANU
EXCE

FACTURING
LLENCE
INNOVATION

ALPHA SOLWAY IS A LEADING MANUFACTURER OF ABOVE-THE-NECK
PERSONAL PROTECTIVE EQUIPMENT AND PROTECTIVE CLOTHING



Our expertise, commitment and investment in product development has led to the introduction of many innovative products designed to keep people safe and comfortable in hazardous working environments.



**WORLD LEADERS IN
PROTECTING PEOPLE**

Globus Group serves organisations with bespoke high performance personal protection equipment solutions that deliver robust commercial benefits. It has dedicated expertise for specific market and product sectors and has an enviable track record in improving safety whilst delivering improved comfort and productivity to companies of all sizes.



Find out why leading international companies view the solutions they receive from Globus Group as integral components of their comprehensive safety policies. www.globusgroup.com



CUSTOMER-LED SOLUTIONS DRIVEN BY EXPERTISE AND INNOVATION

A SYMBOL OF QUALITY AND EXCELLENCE IN THE FIELD OF WORKER PROTECTION

PROTECTION

At Alpha Solway, ensuring the safety of your workforce is our business. Our growing range of innovative, worker-led safety solutions are designed for rapid user acceptance with comfort, flexibility and security paramount throughout.

CONFIDENCE

With a highly knowledgeable, skilled and experienced PPE team in place at Alpha Solway, health and safety professionals trust us and our products to keep their workers safe in the toughest working conditions. We are also BS EN ISO9001:2015 accredited and an active member of the BSIF.

PEOPLE FOCUSED

All of our products are designed with workers' safety and comfort in mind first and foremost, making them flexible, durable and quickly-accepted and integrated by workers.



VOICE OF THE CUSTOMER PROGRAMME

By continually listening to and working with our customers, not only are we able to create market leading safety solutions for today, but through collaboration and our continual commitment to Research and Development, we build the needs of our customers into our future projects.



EXPERT TEAM

Our team is committed to excellence, continually striving to create new benchmarks and set the standard when it comes to performance, comfort and quality.

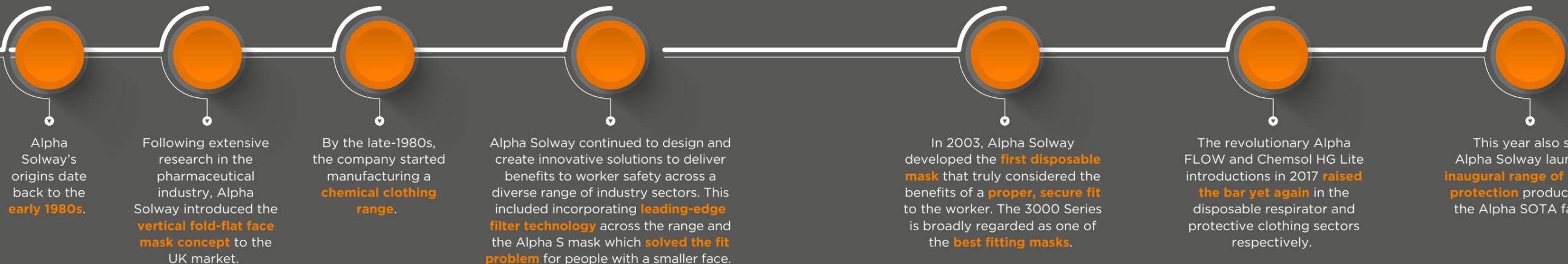


Having performed countless fit tests with most of the brands and types of tight fitting RPE available on the market, I have concluded that the **Alpha Solway 3030V** provides the **best fit test performance** of any disposable respirator I have tested.



Tim Hayward | PANORAMIC SAFETY SERVICES

PIONEERING HERITAGE





MANUFACTURING EXCELLENCE

Every Alpha Solway product is designed with the wearer in mind, with every model ensuring an exceptional level of performance.

Relied upon throughout industry as the benchmark for worker protection, our products are beautifully designed and manufactured, protecting workers against a wide range of hazards.

Our innovative, customer-led approach to manufacturing excellence ensures you benefit from a range of products that not only protect workers at risk but are also highly comfortable and flexible.

This in turn has created our reputation for high user acceptance, long standing customer relationships with national and multi-national organisations and a growing demand for our PPE solutions across a truly diverse range of industry sectors.

Our dedication to product excellence is backed up by dedicated support and training packages that really help drive home the safety message in the workplace, supporting worker buy-in to the safety programme and high acceptance of the PPE provided.



- Products manufactured with true care and attention by a workforce that is passionately dedicated to creating the best possible safety solutions
- Experienced, professional team – made up of some of the most experienced PPE professionals in the industry
- Loyal, long-standing workforce
- Tried and tested manufacturing process – built on quality
- Bespoke design service available
- BS EN ISO 9001:2015 accredited
- Member of the BSIF

For help and advice in selecting the right products for your workforce contact us on +44 (0) 1461 202 452 or via sales@alphasolway.com

PRODUCT RANGES

RESPIRATORY PROTECTION



- 16 / ALPHA FLOW
- 18 / 3000 SERIES
- 20 / ALPHA S
- 21 / 9000 SERIES
- 22 / ALPHAMESH A-SERIES
- 23 / C SERIES

16 / ALPHA FLOW

Designed to improve comfort and performance whilst maintaining a secure fit



EYE PROTECTION



- 40 / BM04
- 40 / BM06
- 41 / BM08
- 41 / BM10
- 42 / BM12
- 42 / BM14
- 43 / BM15
- 43 / BM30

41 / BM08

Lightweight wrap-around glasses



HEARING PROTECTION



- 28 / L1
- 30 / M2
- 30 / F3
- 31 / N4
- 32 / H5
- 34 / EP11
- 34 / EP12
- 35 / EP14
- 35 / EP20

28 / L1

Low attenuation ear defender



PROTECTIVE CLOTHING



- 50 / CHEMMASTER
- 54 / CHEMSOL
- 56 / CHEMSOL PLUS
- 58 / CHEMSOL HG LITE
- 60 / CHEMSOL HG
- 62 / ALPHACHEM
- 64 / ALPHASHIELD
- 66 / AGRIPRO
- 67 / AQUASOL PRO

50 / CHEMMASTER

Ideal for a wide variety of chemical handling operations



RESPIRATORY PROTECTION



“The AlphaFLOW disposable mask fits everyone extremely well and wearers report that it’s the most comfortable mask they have ever worn.”

CHRIS BEDDOES CMIOSH
SHEQ Manager



16

ALPHA FLOW

The Alpha FLOW SERIES has been designed to improve comfort and performance whilst maintaining a secure fit.



18

3000 SERIES

The 3000 SERIES disposable respirators offer an outstanding level of performance demonstrated when conducting Face Fit Testing.



20

ALPHA S

The Alpha S has been specifically designed to ensure an excellent fit for the smaller face.



21

9000 SERIES

The 9000 SERIES is a lightweight cup shape range of respirators that offers excellent value.



22

ALPHAMESH A-SERIES

The Alphamesh A-SERIES has a unique design to offer an excellent fit whilst benefitting from being a fold flat disposable respirator.



23

C-SERIES

The C-SERIES twin fold disposable respirators offer many benefits such as unique colour coding and ease of storage, whilst their individual bagging also reduces risk of contamination.

RESPIRATORY PROTECTION PROGRAMME

THE ALPHA SOLWAY RESPIRATORY PROTECTION PROGRAMME (ARPP) IS DESIGNED TO HELP COMPANIES THAT SEEK THE ASSURANCE THAT THEIR WORKFORCE HAS ADEQUATE AND SUITABLE RESPIRATORY PROTECTION FOR THEIR ENVIRONMENT.

Many factors are considered as part of the ARPP. Working alongside Health and Safety professionals, we will ensure that a compliant solution is specified, one that includes protective masks correct for the individual, task and environment. The resulting solution will be tailored precisely for your organisation.



FACE FIT TESTING

COMPULSORY TRAINING

Training in the proper use and care of respirators has been mandatory in the COSHH (Control of Substances Hazardous to Health) regulations since 1989. The 2002 revision of the COSHH regulations and the Approved Code of Practice (ACoP) now require that fit testing of Respiratory Protective Equipment (RPE) be carried out.

Only respirators that are loose fitting and rely on airflow through the device are exempt e.g. powered helmets.

LEADING PROVIDER

Alpha Solway had the first 'Fit2Fit' accredited fit test provider. 'Fit2Fit' is recognised within HSE 282/28 Fit Testing Guidance Notes.

The scheme confirms the competency of a particular individual to perform face piece fit testing, by ensuring they have passed an industry recognised exam and demonstrated a thorough knowledge of how to fit test in one or more of the test methods.

FACE FIT TESTING KIT

The Alpha Solway Qualitative Face Fit Testing Kits enable wearers of negative pressure half masks and disposable respirators to be Fit Tested correctly and economically. Four variations of the Kit are available depending on whether bitter or sweet sensitivity solutions are required and with a choice of cases. All are easy to use and supplied with full instructions. Spare parts are available to order upon request.



QLTK1	QLTK1P	QLTK1S	QLTK1SP
1 x Hood	1 x Hood	1 x Hood	1 x Hood
12 x 2.5ml Bitter Sensitivity Solutions	12 x 2.5ml Bitter Sensitivity Solutions	12 x 2.5ml Sweet Sensitivity Solutions	12 x 2.5ml Sweet Sensitivity Solutions
12 x 2.5ml Bitter Test Solutions	12 x 2.5ml Bitter Test Solutions	12 x 2.5ml Sweet Test Solutions	12 x 2.5ml Sweet Test Solutions
2 x Nebulisers	2 x Nebulisers	2 x Nebulisers	2 x Nebulisers
Instructions	Instructions	Instructions	Instructions
Supplied in a Cardboard Case	Supplied in a Durable Plastic Case	Supplied in a Cardboard Case	Supplied in a Durable Plastic Case



The starting point is for an in-depth analysis to be conducted by one of our highly experienced respiratory protection specialists as part of a simple, but effective five step approach:

- HAZARD ANALYSIS**
- TASK ANALYSIS**
- CORRECT PRODUCT SELECTION**
- FACE FIT TESTING SUPPORT**
- TRAINING AND ENGAGEMENT**

For the latest updates about any respiratory legislation and to get personal advice about your specific respiratory requirements please contact us today:

Tel: +44 (0) 1461 202 452 | Email: sales@alphasolway.com

TRAIN THE TRAINER

Alpha Solway experts can also conduct 'Train the Trainer' courses. These are designed to enable companies to carry out the Fit Testing of wearers with complete confidence. Contact us for more details.

GUIDE TO PROTECTION LEVELS

DISPOSABLE RESPIRATORS OFFER VARYING LEVELS OF PROTECTION AGAINST AIRBORNE PARTICLES SUCH AS DUSTS, MIST AND FUMES.

Markings such as FFP1, FFP2 or FFP3 (as per EN 149:2001+A1:2009) indicate the protection level that can be obtained if the respirator is a good fit and used correctly. The higher the number, the greater the protection.

WHAT IS WEL AND APF?

Workplace Exposure Limits (WEL) are levels of contamination (set by HSE) of the concentration of an airborne substance, above which level precautions must be taken if exposure takes place.

APF is the Assigned Protection Factor (APF) allocated to each type and class of RPE. The APF number rating indicates how much protection the respiratory protection is able to offer. For example, an RPE device with an APF of 20 will reduce the wearer's exposure by at least a factor of 20 when used correctly.

WHAT DO THE OTHER MARKINGS MEAN?

- NR** = Non Reusable
- R** = Reusable (can be used for more than 1 shift of 8 hours)
- D** = Meets the requirements of the Dolomite clogging test

For obligation-free advice about which protection level is right for your workforce and application, contact us on **+44 (0) 1461 202 452** or email sales@alphasolway.com

PROTECTION FACTORS

A protection factor is based on analysis of the area calculated by using EH40/2005 workplace exposure limits guidance (HSE). **FFP1**, **FFP2** and **FFP3** respirators can reduce the amount of airborne particles you breathe using protection factors of 4, 10 and 20 respectively.

FFP1

EN 149:2001+A1:2009

Reduces the wearer's exposure to airborne particles by a **FACTOR OF 4**



PROTECTS AGAINST

- Non-toxic dusts
- Water / oil based particulates

WHERE FOUND ON PRODUCT



FFP2

EN 149:2001+A1:2009

Reduces the wearer's exposure to airborne particles by a **FACTOR OF 10**



PROTECTS AGAINST

- Fine toxic dusts, mists and fumes
- Water / oil based particulates

WHERE FOUND ON PRODUCT



FFP3

EN 149:2001+A1:2009

Reduces the wearer's exposure to airborne particles by a **FACTOR OF 20**



PROTECTS AGAINST

- Very fine toxic dusts, mists and fumes
- Water / oil based particulates
- Metal fumes and nuisance level organic vapours (charcoal filter variant)

WHERE FOUND ON PRODUCT



ALPHA FLOW

The Alpha FLOW SERIES has been designed to improve comfort and performance whilst maintaining a secure fit. Colour coding the range makes identification simple and easy when varying levels of protection may be required.



ULTRA-LOW BREATHING RESISTANCE

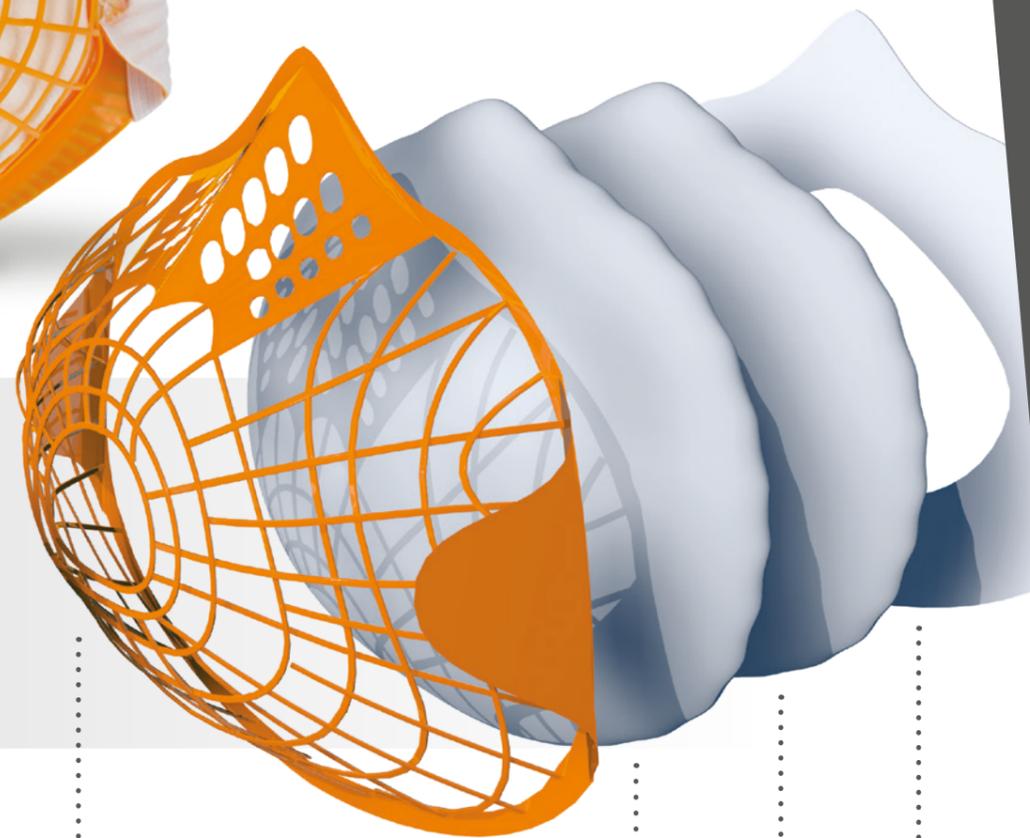
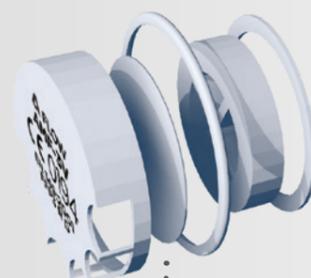
KEY FEATURES

- + Large surface area ensures very low breathing resistance
- + New large exhalation valve reduces heat build up, improves wearer comfort and allows clear verbal communication.
- + Adjustable headstrap with wide continuous loop distributes tension for a secure fit
- + Preformed nosebridge eliminates the need for regular adjustment
- + Compatible with a wide range of safety eyewear
- + Low profile valve aids field of vision and reduces build-up of heat moisture
- + Soft foam inner face seal (AMF-3CV and AMF-3V)
- + Metal-free construction makes it ideal for the food industry

OPTIMUM FILTER PERFORMANCE



As a result of our multi-phase production process



AVAILABLE OPTIONS



AMF-1
FFP1 NR
EN 149:2001 + A1:2009



AMF-2
FFP2 NR
EN 149:2001 + A1:2009



AMF-2V
FFP2 NR
EN 149:2001 + A1:2009



AMF-3CV
FFP3 NR
EN 149:2001 + A1:2009



AMF-3V
FFP3 R D
EN 149:2001 + A1:2009

R D REUSABLE DISPOSABLE

Allows use of respirator for longer than a single-shift and offers more comfortable breathing for longer

- LARGE EXHALATION VALVE COVER
- VALVE MEMBRANE
- PRE-FORMED MESH
- PREMIUM PRE-FILTER
- HIGH-EFFICIENCY ELECTRO-STATIC FILTER
- FULL SOFT INNER FOAM SEAL



PERMITS CLEAR COMMUNICATION



REDUCED HEAT BUILD-UP



SUITABLE FOR FOOD INDUSTRY

3000 SERIES

Preformed cup shape mask offering outstanding protection coupled with exceptional levels of fit and comfort

KEY FEATURES

- + Electrostatic filter media allows low breathing resistance and a lightweight outer shell maintains excellent shape
- + Continuous loop metal-free headstrap (excluding 3030V and 3030V+)
- + Four point headstrap adjustment (3030V and 3030V+)
- + Preformed nosebridge removes the need for regular adjustment

TIM HAYWARD
PANORAMIC SAFETY SERVICES

Having performed countless fit tests with most of the brands and types of tight fitting RPE available on the market, I have concluded that the Alpha Solway 3030V provides the **best fit test performance of any disposable respirator** I have tested.

AVAILABLE OPTIONS



R D REUSABLE DISPOSABLE

Allows use of respirator for longer than a single-shift and offers more comfortable breathing for longer



FULL SOFT INNER FACE SEAL
(3030V and 3030V+ only)

4 POINT HEADSTRAP ADJUSTMENT

EXCEPTIONAL FIT

PREFORMED NOSE BRIDGE

ALPHA S

Preformed cup shape mask specifically designed to ensure an excellent fit for the smaller face



KEY FEATURES

- + Working closely with the Fit2Fit accreditation scheme and numerous users, Alpha Solway has developed a simple solution to an industry wide problem - high performance respiratory protection for the smaller face
- + Preformed nosebridge removes the need for regular adjustment
- + Latest filter technology reduces breathing resistance
- + Unique inner face seal helps maintain a close and snug fit around the chin area
- + Four point adjustable headstrap for a secure fit
- + Easy to fit for first time users



-  **SUITS A VARIETY OF FACE SHAPES**
-  **UNIQUE INNER FACE SEAL**
-  **4 POINT HEADSTRAP ADJUSTMENT**

NEIL BREW
SITE RPS AND H&S ADVISOR | BABRAHAM INSTITUTE

I am very impressed with the ALPHA S-3V mask. I work at an institute that employs staff from all over the world and finding masks to cover the wide variety of face shapes has been problematic in the past. I have since tested nearly 60 staff with the ALPHA S-3V mask, with a 100% pass rate. The ALPHA S-3V is also much easier to fit for first time users as there is no metal nose-piece to mould. ”

The views and opinions expressed are a personal testimony provided by Neil Brew, Site RPS and H&S Advisor, 2017.

9000 SERIES

Lightweight cup shape range of respirators offering excellent value



KEY FEATURES

- + Soft, lightweight fabrics
- + Traditional metal nose clip adjustment
- + Range tested to 'Dolomite Clogging Test (D)'
- + Low profile valve reduces exhalation resistance keeping the wearer cooler
- + Improved wearer comfort from nose seal with full inner face seal (9020W and 9030V)
- + Individual adjustable headstraps (9020W and 9030V)

AVAILABLE OPTIONS



-  **DOLOMITE TESTED**
-  **LOW PROFILE VALVE**
-  **LIGHTWEIGHT FABRIC**

ALPHA MESH A-SERIES

A unique design offers an excellent fit whilst benefitting from being a fold flat disposable respirator



KEY FEATURES

- + Preformed nosebridge ensures continuity of fit
- + Low profile valve reduces heat and moisture build up within the respirator
- + The first vertical fold flat respirator that will not collapse onto the face - retains shape even in extreme conditions
- + Adjustable headstrap with wide continuous loop distributes tension for a secure fit
- + Individually packed to prevent contamination and permit easy storage
- + Colour coded Alphamesh shell for ease of identification
- + Metal-free construction makes it ideal for the food industry

AVAILABLE OPTIONS



UNIQUE MESH SHELL RETAINS SHAPE

ADJUSTABLE SINGLE LOOP HEAD STRAP

INDIVIDUALLY BAGGED

C-SERIES

Twin fold disposable respirators that pass the Dolomite Clogging Test



KEY FEATURES

- + Complete range from FFP1 NR D to FFP3 NR D
- + Range tested to 'Dolomite Clogging Test (D)'
- + Large surface area of the filter media lowers breathing resistance
- + Colour-coded filter media for ease of identification
- + Low resistance valve - reduces heat and moisture build up
- + Soft, lightweight fabric provides a comfortable face seal
- + Twin fold design - easily stored in a pocket
- + Individually packed to prevent contamination and permit easy storage

AVAILABLE OPTIONS



LOW BREATHING RESISTANCE

TWIN FOLD

INDIVIDUALLY BAGGED



HEARING PROTECTION

“Extensive research and development has enabled us to produce a hearing protection range that has the wearer’s needs at its core and is ideally suited to today’s industrial needs.”

STEVEN BINNIE
Sales Director | Alpha Solway



28
L1

SNR 19dB
A low profile, lightweight, ear defender with a padded headband and low attenuation.



30
M2

SNR 30dB
A lightweight ear defender with a padded headband and medium attenuation.



30
F3

SNR 32dB
Medium attenuation ear defender with a folding padded headband.



31
N4

SNR 32dB
Medium attenuation ear defender with a soft adjustable strap and a neck band.



32
H5

SNR 34dB
High attenuation ear defender with a padded headband.



34
EP11

SNR 34dB
Soft, bright, disposable foam ear plugs with a remarkable new tapered design for increased comfort and ease of fitting.



34
EP12

SNR 34dB
As per EP11, but with an added durable plastic cord.



35
EP20

SNR 35dB
Metal-detectable disposable ear plugs

ALPHA SOTA™

HEARING PROTECTION

Given the risks of Noise Induced Hearing Loss (NIHL), it's critical that performance of hearing protection products is matched by comfort, especially as many workers wear their hearing protection for long periods of the working day.

As a result, comfort, performance and practicality are the key factors that lie at the heart of our new Alpha SOTA range.



SIMPLE-FIT EARPLUGS

For hearing protection below 105dB, Alpha Solway has designed the new Alpha SOTA Simple-Fit™ disposable foam ear plugs. Incorporating a unique, new tapered design and manufactured from a soft polyurethane (PU) material for enhanced comfort, wearers use a simple 'Roll, Insert, Twist' action when the earplugs are placed into the ear canal to help create a quicker and more effective fit.



EAR DEFENDERS

Where louder environments require enhanced noise protection, the new range of Alpha SOTA ear defenders offer an array of 'designed-for-wearer' features and benefits.

WHAT IS AN SNR?

Independent laboratories (Notified Test Authorities) test hearing protection products to determine their SNR value.

An SNR is a Single Number Rating system. The SNR value can be used to give an indication of the reduction of noise when worn correctly.

The higher the SNR, the higher the level of noise reduction provided by the hearing protection. However, it is important that the hearing protection does not over-attenuate, as this could create a hazard to the worker.

Please note that the SNR value is a rough average.

HEARING PROTECTION ACTION LEVELS

In the workplace, there are 2 main action levels when hearing protection must be worn.

ACTION LEVEL	NOISE EXPOSURE LEVEL	RECOMMENDED ACTION BY EMPLOYER
Lower or first level	At 80dB	Provide training and make hearing protection available
Upper level	85dB and above	Seek to reduce the level of noise at source. Provide training and enforce the mandatory wearing of appropriate hearing protection.

87DB

There is a requirement that no worker should be exposed to 87dB or above, even when hearing protection is worn.

TYPICAL INDUSTRIAL ENVIRONMENTS WHERE THE RANGE EXCELS INCLUDE :



MANUFACTURING AND MAINTENANCE



UTILITIES AND PLANT AND EQUIPMENT



HEAVY INDUSTRY



FOOD PROCESSING



HIGHWAYS MAINTENANCE



OIL AND GAS PLATFORMS

SOUND PROTECTION FOR SPORTS AND LEISURE ACTIVITIES

The Alpha Solway range of hearing protection products extends beyond the workplace. The ear defenders and ear plugs can also be used across a range of sports and leisure applications such as:



MOTORSPORT



SHOOTING



CONCERTS



AVIATION



SLEEPING

L1

SNR: 19dB

A low profile, lightweight ear defender with low attenuation, ideal for protection between 80 - 85dB



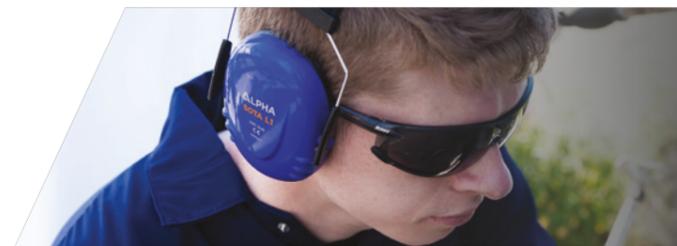
KEY FEATURES

- + Very low attenuation ideal for protection at the first action level
- + Fully adjustable to provide a comfortable fit for most head sizes.
- + Low profile cup design
- + Large ear cushions allow freedom to fit majority of ears for a comfortable fit
- + Padded, durable headband provides lasting comfort
- + Blue in colour making them ideal for food environments
- + Approved to EN352-1: 2002

ATTENUATION DATA

SNR = 19dB H = 26dB M = 15dB L = 9dB O.T.H

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	10.7	7.0	16.4	22.0	31.6	33.5	36.3
Standard Deviation (dB)	3.1	2.6	2.3	3.1	3.9	4.0	2.7
Assumed Protection (dB)	7.6	4.4	14.1	18.9	27.7	29.5	33.7



PROTECTS WITHOUT 'OVER-PROTECTING'



LIGHTWEIGHT



COMPACT



PADDED HEADBAND

MEDIUM ATTENUATION

M2

SNR: 30dB

A lightweight ear defender featuring large, soft ear cushions and a flexible padded headband.

Fully adjustable to provide a comfortable fit for most head sizes.



LIGHTWEIGHT WITH A SUPERIOR FIT
Stands out from alternatives for this level of SNR

SNR = 30dB H = 36dB M = 30dB L = 22dB O.T.H

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.4	22.5	33.4	38.8	37.0	39.6	40.4
Standard Deviation (dB)	3.7	2.9	2.3	2.4	2.6	3.1	2.3
Assumed Protection (dB)	14.8	19.6	31.2	36.4	36.4	36.5	38.0



N4

SNR: 32dB

The N4 ear defender has a wire band that fits easily around the neck making it ideal to wear with a safety helmet.

It offers greater performance when compared to traditional helmet-mounted ear defenders.

Soft ear cushions and an adjustable head strap allow for a secure, comfortable fit.



HARD HAT COMPATIBLE

ATTENUATION DATA

SNR = 32dB H = 35dB M = 30dB L = 22dB B.T.N

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.1	21.1	31.4	37.7	35.9	38.4	39.4
Standard Deviation (dB)	3.2	1.8	1.8	3.2	2.9	3.3	2.7
Assumed Protection (dB)	15.0	19.3	29.5	34.5	33.0	35.0	36.7



SNR: 32dB

F3

Fully adjustable with a thermoplastic padded headband and soft ear cushions, F3 ear defenders fold down to a compact size for easy storage.

Of durable construction and without any metal parts, these are also ideal for petrochemical environments.



METAL-FREE



FOLDABLE

ATTENUATION DATA

SNR = 32dB H = 36dB M = 29dB L = 22dB O.T.H

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.3	20.7	30.2	37.0	36.7	40.3	39.1
Standard Deviation (dB)	2.9	1.5	2.5	2.9	2.0	3.2	2.7
Assumed Protection (dB)	15.4	19.2	27.7	34.1	34.7	37.4	36.4

H5

SNR: 34dB



High performance with a comfortable fit

KEY FEATURES

- + High attenuation - SNR 34dB
- + Adjustable padded headband provides lasting comfort
- + Easy on-head adjustment thanks to a telescopic slide action
- + Extremely soft, durable cushions fit any ear
- + Low pressure but high performance
- + Stylish orange and black design
- + Quality gloss finish for easy maintenance
- + Full integration with other PPE
- + Approved to EN352-1:2002

ATTENUATION DATA

SNR = 34dB H = 36dB M = 32dB L = 24dB O.T.H

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	22.3	23.3	34.8	40.1	37.4	40.0	40.8
Standard Deviation (dB)	3.6	2.2	3.1	2.3	3.6	2.9	1.8
Assumed Protection (dB)	18.7	21.1	31.7	37.8	33.7	37.1	39.0



ADJUSTABLE PADDLED HEADBAND



DURABLE CONSTRUCTION



FITS ANY EAR

ALPHA SOLWAY

PROFESSIONAL PROTECTION



For an obligation free-assessment and to discover how we can help, contact our customer service team:

T: +44 (0)1461 202 452
E: sales@alphasolway.com



EP11



SNR: 34dB

The EP11 disposable ear plug has a remarkable, unique and new tapered design making it the easiest ear plug to fit of any available on the market today.

They are manufactured from a soft, brightly-coloured polyurethane (PU) material for enhanced comfort and increased visibility.

ATTENUATION DATA

EP11 + EP12 | SNR = 34dB H = 32dB M = 31dB L = 31dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	32.9	33.4	34.9	37.1	35.8	33.6	40.8	45.1
Standard Deviation (dB)	2.9	2.7	4.3	4.5	5.1	3.7	3.4	4.8
Assumed Protection (dB)	30.0	30.7	4.5	32.6	30.7	29.9	37.4	40.3

EP12

EP12 contains all the advantages of the EP11 but with the added benefit of being attached together at opposing ends of a lightweight yet durable plastic cord.

The cord allows for the ear plugs to be conveniently hung around the neck when not required and inserted again swiftly when necessary.



SNR: 34dB

EP20

SNR: 35dB

Stainless steel ball bearing inserted in the ear plug and metal elements embedded in the cord make it fully detectable and an ideal choice for food processing environments.

ATTENUATION DATA

SNR = 34dB H = 32dB M = 31dB L = 31dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	33.1	32.8	35.0	38.8	38.0	32.8	42.6	46.8
Standard Deviation (dB)	1.6	2.5	4.4	3.4	5.0	2.2	4.0	4.8
Assumed Protection (dB)	31.5	30.3	30.6	35.4	33.0	30.6	38.6	42.0



SUITABLE FOR FOOD INDUSTRY

SIMPLE TO FIT
ROLL & INSERT

USING A SIMPLE 'ROLL, INSERT AND TWIST' ACTION, THE EAR PLUGS ARE PLACED INTO THE EAR CANAL IN ORDER TO PROTECT HEARING.

It is important to make sure the ear plugs are inserted correctly, and fit properly, or they may not provide the right levels of protection.



EP14



Featuring a stylish wall-mountable design, EP14 is a refillable ear plug dispenser able to store and dispense up to 500 pairs of EP11 ear plugs (included).

Ear plugs are released using the simple twist mechanism and the unit is easily refilled in a few quick, easy steps.

EP15 REFILL PACK AVAILABLE

500 pairs supplied in a polybag for a cost-effective refill solution

EYE PROTECTION

“Our Benchmark range of safety eyewear features high performance single-piece polycarbonate lenses. All conform to EN 166:2001 and contain key features such as comfort, durability and practicality”

NICK MOORE
Product Marketing Director | Alpha Solway



40
BM04

Wrap-around style with soft temple ends



40
BM06

Wrap-around style with universal nose bridge



41
BM08

Wrap-around style with deep-fit lateral protection



41
BM10

Over-spectacle with brow guard



42
BM12

Wrap-around style with lens tilt adjustment



42
BM14

Wrap-around style with adjustable temple lengths



43
BM15

Wrap-around style with dual injection side arms



43
BM30

Low profile goggle

THE IMPORTANCE OF WEARING THE CORRECT EYE PROTECTION

Eye injuries can occur in many settings, but in working environments that have a high risk of flying particles, scratches, abrasions and foreign bodies entering the eye, ensuring the health and safety of employees' eyes during working hours is of paramount importance.

Of the reported non-fatal injuries to employees during the period 2013-2016, 2096 were to the eye and other parts of the face and 131 were for loss or reduction of sight*.

Something as fundamental as the correct eye protection could have lessened the severity, or have prevented up to 90% of eye injuries.

HAZARD ANALYSIS

Anyone responsible for worker safety should carry out a detailed survey of the workplace to determine the correct eye protection required for the specific jobs being undertaken and the potential hazards that workers face.

Chemicals or foreign objects in the eye and cuts or scrapes on the surface of the eye are common workplace injuries. Other common eye injuries can include splashes and contact with grease and oil, burns from steam, ultraviolet or infrared radiation exposure, and flying wood or metal chips.

Contact Alpha Solway today for advice and support in carrying out a site survey of your workplace and to discuss your safety eyewear requirements. Tel: +44 (0) 1461 202452

*Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)

GUIDE TO LENS MARKINGS

Optical Class

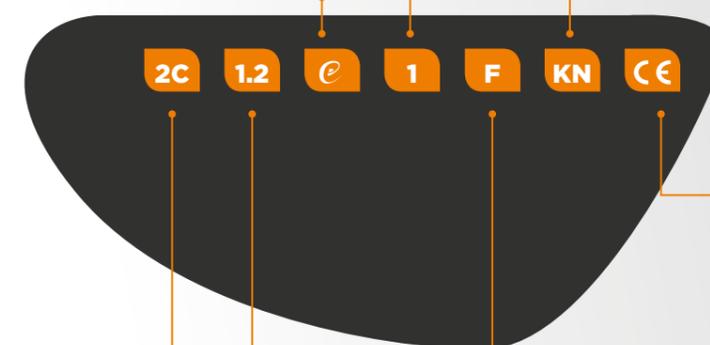
1	± 0.06 dioptres	Can be worn at all times
2	± 0.12 dioptres	Should only be worn for occasional use
3	± 0.25 dioptres	Should not be worn for long periods

Please Note: The complete Benchmark range is Optical Class 1

Optional Requirements

K	Resistance to surface damage by fine particles
N	Resistance to lens fogging
T	Extreme temperature of -5°C and +55°C

Manufacturer identity 



Filter Type Code

2	UV filter
2C or 3	UV filter with good colour recognition
4	Infrared filter
5	Sunglare filter
6	Sunglare filter with IR specification

Scale Number (shade)

1.2	Clear or Amber
1.4	Blue or I/O Waterproof
1.7	Minimises or I/O
2.5	Grey or Revo
3.1	Dark Grey or Mirror

Mechanical Resistance

IMPACT LEVEL	MAX. SPEED	EYE PROTECTION TYPE
A (T) High Energy Impact	190 m/s	Faceshields
B (T) Medium Energy Impact	120 m/s	Faceshields and Goggles
F (T) Low Energy Impact	45 m/s	Faceshields/Goggles/Spectacles
S Increased Robustness	5.1 m/s	Spectacles (generally prescription)

(T) : The frame/lens has had an additional extreme temperature test at -5°C and +55°C

BM04

LIGHTWEIGHT WRAP-AROUND STYLE

- + Soft comfort ventilated nose pads
- + Soft temple ends
- + Weight: 22g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0041 RLYB0042	2C-1.2 e 1FT CE	e EN 166 1FT CE	Impacts, UV radiations	Anti-scratch Anti-scratch+anti-fog
GREY	● RLYB0043	5-2.5 e 1FT CE	e EN 166 1FT CE	Impacts, UV and Solar radiations	Anti-scratch

BM08

LIGHTWEIGHT WRAP-AROUND STYLE

- + Close-fitting protection
- + Universal nose bridge
- + Slim temple tips
- + Weight: 28g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0021	2C-1.2 e 1FT CE	e EN 166 FT CE	Impacts, UV radiations	Anti-scratch
GREY	● RLYB0022	5-2.5 e 1FT CE	e EN 166 FT CE	Impacts, UV and Solar radiations	Anti-scratch

BM06

LIGHTWEIGHT WRAP-AROUND STYLE

- + Close-fitting protection
- + Universal nose bridge
- + Wide field of vision
- + Weight: 25g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0011	2C-1.2 e 1FT CE	e EN 166 FT CE	Impacts, UV radiations	Anti-scratch
DK GREY	● RLYB0013	5-3.1 e 1FT CE	e EN 166 FT CE	Impacts, UV and Solar radiations	Anti-scratch
CLEAR	○ RLYB0014	2C-1.2 e 1FT CE	e EN 166 FT CE	Impacts, UV radiations	Anti-scratch + anti-fog
DK GREY	● RLYB0016	5-3.1 e 1FT CE	e EN 166 FT CE	Impacts, UV and Solar radiations	Anti-scratch + anti-fog

BM10

SUPERIOR QUALITY OVER-SPECTACLE

- + Brow protection
- + Ventilated temples
- + Ideal to be worn by site visitors
- + Weight: 45g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0031	2C-1.2 e 1FT CE	e EN 166 FT CE	Impacts, UV radiations	Anti-scratch

BM12

LIGHTWEIGHT WRAP-AROUND STYLE

- + Soft comfort nose pads
- + 3 point lens tilt adjustment
- + Ventilated temple tips
- + Weight: 23g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0051 RLYB0052	<i>Contact us for details</i>		Impacts, UV radiations	Anti-scratch
GREY	● RLYB0053			Impacts, UV and Solar radiations	Anti-scratch+anti-fog

BM15

LIGHTWEIGHT WRAP-AROUND STYLE

- + Dual injection arms for an exceptional fit
- + Soft, adjustable comfort nose pads
- + Weight: 22g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0071 RLYB0072	2C-1.2 e 1FT CE	e EN 166 1FT CE	Impacts, UV radiations	Anti-scratch
GREY	● RLYB0073	5-2.5 e 1FT CE	e EN 166 1FT CE	Impacts, UV and Solar radiations	Anti-scratch+anti-fog

BM14

CLASSIC STYLE TOP FRAME

- + Single lens spectacle
- + 3 point adjustable temple length arms
- + Universal nose bridge
- + Panoramic lens
- + Weight: 25g
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0061 RLYB0062	2C-1.2 e 1FT CE	e EN 166 1FT CE	Impacts, UV radiations	Anti-scratch
GREY	● RLYB0063	5-2.5 e 1FT CE	e EN 166 1FT CE	Impacts, UV and Solar radiations	Anti-scratch+anti-fog

BM30

LOW PROFILE GOGGLE

- + Wide panoramic vision
- + Soft TPR frame
- + Ventilated
- + Adjustable head strap
- + Optical class 1 polycarbonate lens



VERSIONS	REF.	LENS MARKING	FRAME MARKING	PROTECTION AGAINST	COATINGS
CLEAR	○ RLYB0082	2C-1.2 e 1FT CE	e EN 166 1BT 3 4 9 CE	Impacts, UV radiations	Anti-scratch

PROTECTIVE CLOTHING



“I am extremely proud knowing that the garments made at our ISO 9001 accredited factory in Annan are protecting workers right across the globe.”

SHERREE GRACIE
Operations Director | Alpha Solway



CHEMICAL PROTECTION



50

CHEMMASTER

Tough and uncompromising, with exceptional chemical resistant properties against many acids and alkalis



54

CHEMSOL

Offers extremely dextrous and lightweight chemical protective garments



56

CHEMSOL PLUS

Manufactured from a softer, more tactile 340gm² EPVC / Polyester fabric



58

CHEMSOL HG LITE

Lightweight, flexible garments developed for washdown applications in the food industry



60

CHEMSOL HG

Specifically developed for food industry hygiene teams to offer an enhanced resistance to animal fats and food oils

LIMITED LIFE CHEMICAL PROTECTION



62

ALPHACHEM

Innovative range of limited life coveralls, manufactured to the highest quality



64

ALPHASHIELD

Designed to offer lightweight, comfortable protection in a wide variety of applications

WEATHERWEAR



66

AGRIPRO

Waterproof clothing designed for agricultural and farming applications



67

AQUASOL PRO

High quality waterproof clothing for industrial applications

BESPOKE DESIGN PROTECTION SERVICE



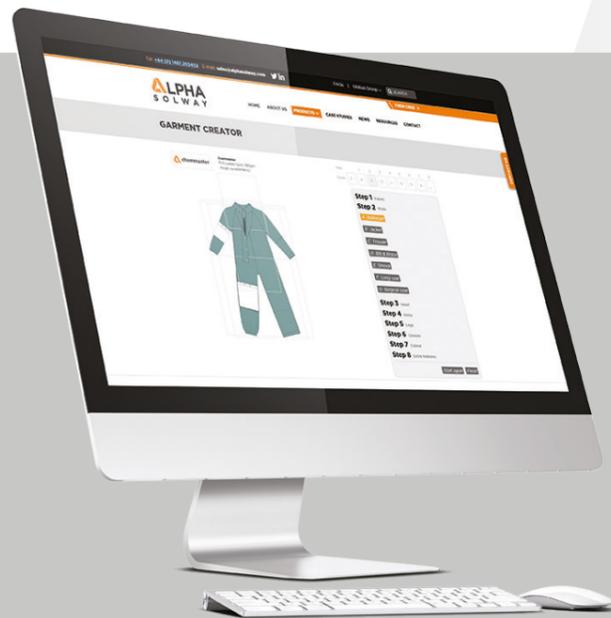
CHEMCRE8 ALLOWS YOU TO DESIGN YOUR OWN CHEMICAL CLOTHING, TO SUIT YOUR SPECIFIC SAFETY NEEDS.

This revolutionary system enables you to select up to 8 key safety features of a chemical suit and combine them to create your very own suit design.

DESIGN YOUR SUIT IN 8 SIMPLE STEPS

BESPOKE OPTION CHOICES INCLUDE THE STYLE OF:

- 1 FABRIC
- 2 STYLE
- 3 HEAD
- 4 ARMS
- 5 LEGS
- 6 CLOSURE
- 7 COLOUR
- 8 EXTRA FEATURES



CRE8 YOUR SUIT ONLINE
WWW.ALPHASOLWAY.COM/CHEMCRE8

HOW DOES IT WORK?

Each option is individually identified by its own unique letter/number, which when entered in the correct order into the chemcre8 system will result in a bespoke item code from which an appropriate cost and CAD design can be created as necessary.

Printed configuration forms are also available. Please call our sales office on **+44 (0)1461 202 452**

REASONS TO USE CHEMCRE8

- HUNDREDS OF POSSIBLE VARIATIONS**
- LOW MINIMUM ORDER LEVELS**
- IMPROVED SAFETY AND PERFORMANCE**
- SIZES**
Standard and bespoke options
- GLOVEZON CONNECTION OPTIONS**
See overleaf on page 48
- FABRIC OPTIONS**
chemmaster | chemsol
chemsol plus | chemsol HG
- GUIDANCE AND ADVICE AVAILABLE**
Customer Services Team
+44 (0)1461 202 452



Boilersuits
 (Standard and type approvals depend on product material/style/colour)

Type 3 Type 4 Index 1

Garments
 (Standard and type approvals depend on product material/style/colour)

Index 1

GLOVEZON

PREVENT INGRESS BETWEEN GLOVE AND PROTECTIVE CLOTHING



HOW IT WORKS



PREPARE CHEMICAL SUIT WITH 'O' RINGS IN THE CUFFS, AND GLOVEZON KIT



INSERT 'RIGID CUFF' INTO GLOVE AND PUSH 'O' RING OVER GLOVE INTO RECESS



SLIDE SLEEVE 'O' RING ONTO THE GLOVE AND POSITION IN 'RIGID CUFF' RECESS



COMPATIBLE WITH A WIDE RANGE OF CHEMICAL RESISTANT GLOVES

ENSURING AN EFFECTIVE BARRIER EXISTS WHERE YOUR GLOVE AND PROTECTIVE SUIT MEET CAN BE DIFFICULT TO ACHIEVE IN MANY SITUATIONS.

Alpha Solway's Glovezon™ system provides a highly effective solution to this industry-wide problem.

INDUSTRY-WIDE SOLUTIONS

An economical, simple and easy to use splash tight system, designed to reduce the risk of chemical exposure to the wrists, hands and arms.

By connecting your glove to the 'O' Ring cuff it provides an exceptional splash-tight barrier for various high-risk applications.

Ideal for:

- + Food industry wash-down teams
- + Refineries
- + Tank cleaners
- + Any operative working with chemicals, where there is a splash risk.

Look out for the compatibility icon throughout the catalogue



KEY FEATURES

- + Can be used with all types of unsupported, or other supported chemical resistant gloves
- + Needs only a 30 - 35cm glove length, therefore reducing the cost of gloves
- + All components of the kit are re-usable, making for a cost effective solution
- + The system allows choice of glove and correct size selection for the wearer
- + Available on all sleeved garments and in a selection of Alpha Solway fabrics
- + Provides a totally splash-proof seal at the sleeve ends, preventing injuries to the wearer

PRODUCT	CODE
Glovezon	Glovezon Pack A

PROTECTIVE CLOTHING

PROTECTIVE CLOTHING



BOILERSUIT
CMBH-EW

Tough and uncompromising, with exceptional chemical resistant properties against many acids and alkalis

KEY FEATURES

- + Ideal for a wide variety of chemical handling operations
- + Highly regarded industry standard for over 30 years
- + Tough and durable 380gm² double sided coated PVC fabric
- + Stitched and high frequency welded seams
- + Many different configurations available from stock
- + Approved to EN 14605:2005+A1:2009

COLOUR



S-XXXL (Special sizes to order upon request)

Zip and press stud closure offer reassuring protection at the openings

Drawcord closure allows a more secure fit around the head and neck

Elasticated wrist gives a secure and comfortable fit

PRODUCT	PRODUCT OPTIONS				CODE
	Collar	Hood	Elasticated Wrists	Elasticated Ankles	
Boilersuit	✓	-	-	-	CMBC
	✓	-	✓	-	CMBC-EW
	-	✓	-	-	CMBH
	-	✓	✓	-	CMBH-EW
	-	✓	✓	✓	CMBH-EWA
Jacket	✓	-	✓	-	CMJC-EW
	-	✓	✓	-	CMJH-EW
Bib 'n' Brace	-	-	-	✓	CMBB-EA

PRODUCT	CODE
Trouser	CMTE
Apron	CMA
Sleeve	CMS



JACKET
CMJC-EW



BIB 'N' BRACE
CMBB



APRON
CMA



SLEEVE
CMS

S-XXXL
Special sizes to order upon request

42X36" + 48X36"
Special sizes to order upon request

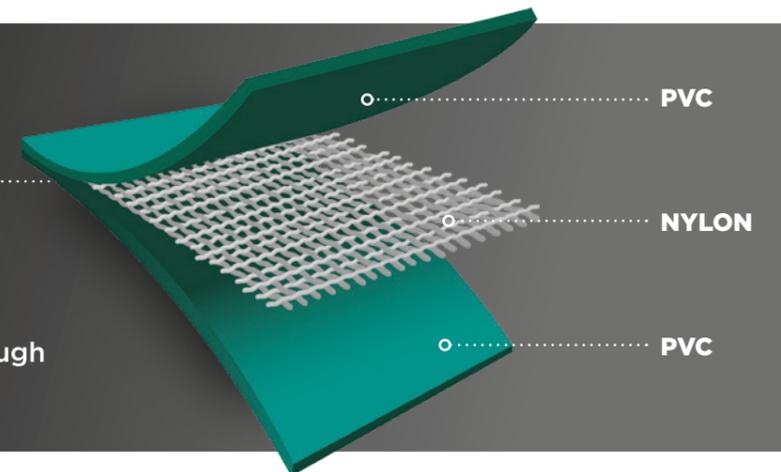
15" STANDARD LENGTH
Other lengths available to order upon request

Garments EN14605:2005 + A1:2009
Type PB [4]

Boilersuits EN 14605:2005 + A1:2009
Type 3
EN 14605:2005 + A1:2009
Type 4
EN 14605:2005 + A1:2009
Type 4

PVC DUAL-COATING

- + Reusable
- + Heavy-duty
- + Mechanically tough and durable





CMH2

- + Neck and shoulder cape
- + Visor
- + Approved to EN 14605:2005+A1:2009



CMH4

- + Neck and shoulder cape
- + Visor
- + Apron front
- + Approved to EN 14605:2005+A1:2009



CMH8

- + Neck and shoulder cape
- + Apron front
- + Anti-mist visor system
- + Ventilation ports
- + Approved to EN 14605:2005+A1:2009



CMH10 (APOLLO)

- + Designed to wear with a safety helmet
- + Fixed double skin wide angle
- + Anti-mist visor system
- + Ventilation ports
- + Extended front and back apron
- + Velcro closure
- + Approved to EN 14605:2005+A1:2009



Extremely dextrous and lightweight chemical protective garments



JACKET
CSJH-EW

TROUSERS
CSTE

KEY FEATURES

- + Manufactured from a soft touch, flexible and comfortable fabric
- + Dextrous and lightweight 320gm² EPVC / Polyester fabric provides a durable, highly chemical resistant barrier
- + Stitched and high frequency welded seams
- + Available in a variety of styles

COLOUR



Elasticated wrists for secure fit

Elasticated waist for comfortable fit
Plain ankle for easier donning



BIB 'N' BRACE
CSBB-EA



BOILERSUIT
CSBH

S-XXL
Special sizes to order upon request

Boilersuits
(Type approvals depend on product style)

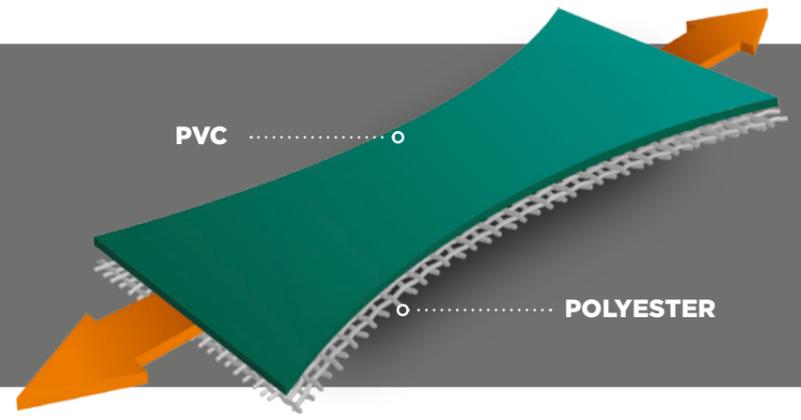


Garments



PRODUCT	PRODUCT OPTIONS					CODE
	Collar	Hood	Elasticated Wrists	Elasticated Ankles	Elasticated Inner Wrists and Ankles	
Boilersuit	✓	-	-	-	-	CSBC
	-	✓	-	-	-	CSBH
	-	✓	✓	-	-	CSBH-EW
	-	✓	-	✓	-	CSBH-EWA
	-	✓	-	-	✓	CSBH-EIWA
Jacket	✓	-	✓	-	-	CSJC-EW
	-	✓	✓	-	-	CSJH-EW
Trousers	-	-	-	-	-	CSTE
Bib 'n' Brace	-	-	-	✓	-	CSBB-EA

2-WAY STRETCH



PVC SINGLE-COATING

- + Comfort and flexibility
- + Enhanced draping

PROTECTIVE CLOTHING

PROTECTIVE CLOTHING



Enhanced comfort protective clothing - manufactured using the fabric of choice of many safety professionals

KEY FEATURES

- + Manufactured from a softer, more tactile 340gm² EPVC / Polyester fabric.
- + Additional anti-static (AS) and flame retardant (FR) properties needed for many higher risk applications
- + Lighter / more flexible than standard PVC
- + Soft-touch feel
- + Stitched and high frequency welded seams



BOILERSUIT
CPBH-EW-R

S-XXL (Special sizes to order upon request)

- Reflective tape boosts visibility in poorly-lit environments
- Drawcord closure allows head protection to remain in position
- Zip and velcro closure reassuring protection at the openings

WIDE RANGE OF COLOUR OPTIONS AVAILABLE

Enabling better control and identification of workforce on site



JACKET
CPJH-EW

TROUSERS
CPTE



BIB 'N' BRACE
CPBB-EA

4-WAY STRETCH

PVC SINGLE-COATING WITH DOUBLE BACKING

PVC

POLYESTER

POLYESTER

- + Comfort and flexibility
- + Enhanced draping

PRODUCT	PRODUCT OPTIONS					CODE
	Hood	Elasticated Wrists	Elasticated Ankles	Elasticated Waist	Reflective Tape	
Boilersuit	✓	-	-	-	-	CPBH
Boilersuit	✓	-	-	-	✓	CPBH-R
Jacket	✓	✓	-	-	✓	CPBH-EW-R
Trousers	-	-	-	✓	-	CPTE
Bib 'n' Brace	-	-	✓	-	-	CPBB-EA

Boilersuits

(Standard approvals depend on product style/colour)

EN 14605:2005 + A1:2009 EN 14605:2005 + A1:2009 EN 14605:2005 + A1:2009 EN 1149-5:2008 EN ISO 14116:2008

Type 3 Type 4

Indexes 1/SH/40 [Material only]

Garments

EN467:1995 EN1149-1:1996 EN 533:1997 EN 471:1994

Indexes 1/SH/40

PROTECTIVE CLOTHING

PROTECTIVE CLOTHING



JACKET
HLJH-EW

TROUSERS
HLTE

Lightweight, flexible garments that provide long lasting chemical protection

KEY FEATURES

- + Fully waterproof
- + Lightweight PVC / PU 305gm² material blend gives enhanced flexibility
- + Anti-bacterial coating
- + Advanced hood design ensures a comfortable fit without restricting vision
- + Soft and durable fabric
- + Stitched and high frequency welded seams
- + Enhanced protection against animal fats and food oils

COLOUR



S-XL (Special sizes to order upon request)

Advanced hood design ensures a comfortable fit without restricting vision
Elasticated wrist for a secure and comfortable fit
Double fold flap provides extra protection against water and chemicals



BIB 'N' BRACE
HLBB-EA

APRON
HLA48/36

SLEEVE
HLS15

SPECIFICALLY DEVELOPED FOR FOOD INDUSTRY HYGIENE TEAMS



One of the biggest threats to workers in the food and drink industries comes from exposure to chemicals when washing down and by providing waterproof-only clothing, you are leaving the worker exposed to the threat of injury.

Chemsol HG Lite has been **specifically developed to protect for this purpose** – and includes a range of comfortable, lightweight clothing options providing **enhanced resistance to animal fats, food oils and certain chemicals.**

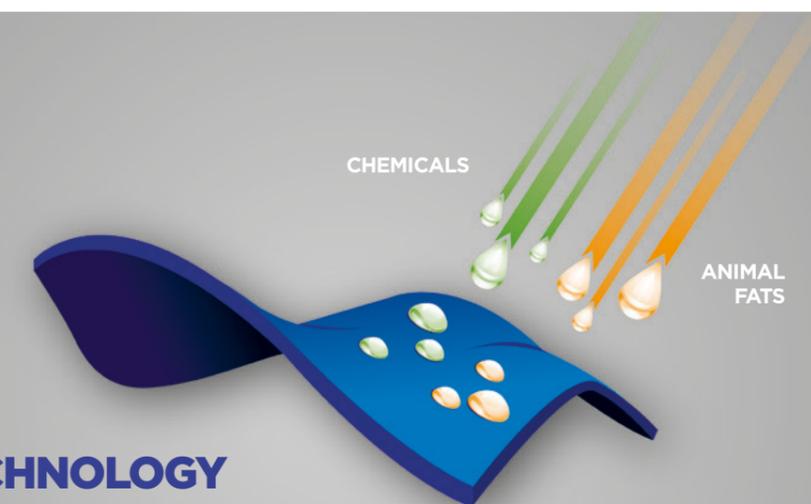
PRODUCT	PRODUCT OPTIONS				CODE
	Collar	Hood	Elasticated Wrists	Elasticated Ankles	
Jacket	✓	-	✓	-	HLJC-EW
Trouser with Elasticated Waist	-	✓	✓	-	HLJH-EW
Bib 'n' Brace	-	-	-	-	HLTE
Sleeve	-	-	-	✓	HLBB-EA
Apron	-	-	-	-	HLS15
	-	-	-	-	HLA48/36

Garments

EN 14605:2005 + A1:2009



Type PB [4]



HG LITE TECHNOLOGY

Our specially formulated material resists animal fats, food oils **AND** chemicals at the same time and combines with an anti-bacterial coating to prevent mould build-up.

PROTECTIVE CLOTHING

PROTECTIVE CLOTHING



JACKET
CHJC-EW

Protective clothing for the food industry providing enhanced resistance to animal fats and food oils



SPECIFICALLY DEVELOPED FOR FOOD INDUSTRY HYGIENE TEAMS

KEY FEATURES

- + Soft and flexible fabric
- + 400gm² EPVC / Polyester
- + Stitched and high frequency welded seams
- + Enhanced protection against animal fats and food oils

COLOUR



Drawcord closure allows head protection to remain in position
Elasticated wrists for a secure and comfortable fit

TROUSERS
CHTE



SLEEVE
CHS15

S-XL
Special sizes to order upon request



APRON
CHA 48x36



BIB 'N' BRACE
CHBB-EA

Elasticated ankles enhances lower leg splash protection

Garments

EN 14605:2005



Type PB [4]

PRODUCT	PRODUCT OPTIONS					CODE
	Collar	Hood	Elasticated Wrists	Glovezon 'O' Ring Cuff	Elasticated Ankles	
Jacket	✓	-	✓	-	-	CHJC-EW
	-	✓	✓	-	-	CHJH-EW
	-	✓	-	✓	-	CHJH-O
Trousers	-	-	-	-	-	CHTE
Bib 'n' Brace	-	-	-	-	✓	CHBB-EA
Apron	-	-	-	-	-	CHA 48x36
Sleeve	-	-	-	-	-	CHS15



THE MOST ROBUST SUIT AVAILABLE FOR WASHDOWNS
INCREDIBLY DURABLE AND STRONG



alphachem X is an innovative range of limited life coveralls, manufactured to the highest quality and certified to the latest EN standards

KEY FEATURES

- + Designed to provide increased wearer comfort, exceptional levels of safety and protection, with superior durability
- + Improved fit, enhanced freedom of movement with two piece crotch pattern
- + 3 piece hood ensures a comfortable fit
- + Double zip / grab tag - easier to hold when wearing gloves
- + Inset sleeve allows for easier movement when wearing the suit
- + Knee patches give extra re-enforcement where it's needed most
- + Stitched and taped seams provide a strong and effective chemical barrier
- + Quick and easy donning/doffing
- + Ideal for a wide range of industries, including Industrial, Oil and Gas, Chemical, Pharmaceutical, Pest Control, Agricultural, Nuclear, Utilities, Food, Manufacturing and many more

Double sleeve system and durable knee patches

X150
Manufactured using lightweight HDPE fabric
COLOUR ■



X100
Manufactured using lightweight HDPE fabric
COLOUR ■



X200
Manufactured using Saranex™ barrier film
COLOUR ■



X300
Manufactured using chemical resistant EVOH multi-laminate film
COLOUR ■

S-XXL

PRODUCT	CODE
Alphachem X100	X1BH
Alphachem X150	X150
Alphachem X200	X2BH
Alphachem X300	X3BH

EN 14605 EN 13034 EN ISO 13982-1
 EN 14605 EN 14605 EN 14605 EN ISO 13034
 Type 3 Type 4 Type 6 Type 5
 Type 3-B; 4-B; 5-B; 6-B
 TIL Class 1
 EN 1149-5:2008



Limited life protective clothing designed to offer lightweight, comfortable protection in a wide variety of applications

KEY FEATURES

- + Offers protection from particulate hazards through to liquid chemical splash, flames and sparks
- + Strong, durable and comfortable
- + Improved fit, enhanced freedom of movement with two piece crotch pattern
- + Reinforced 4-thread overlapped seam offers stronger seam strength and better protection
- + Storm flap covering zip offers reassuring protection
- + Quick and easy donning/doffing with longer 2-way zip
- + Innovative, three piece elasticated hood construction provides added comfort, durability and fit
- + Elasticated ankles and wrists

COLOUR

S-XXXL

ALPHASHIELD 2000 CP

- + Lightweight spun-bonded polypropylene with outer breathable film
- + Innovative comfort back panel and gusset area
- + Taped sealing on storm flap for extra protection
- + Thumb loop arm protection remains in place when arm is raised

EN 14605:2005 + A1:2009 EN 13034 EN ISO 13982-1
Type 5/6 Type 6 Type 5

EN 1073-2 EN 1149-5
TIL Class 1



ALPHASHIELD 1000

- + Lightweight spun-bonded polypropylene

EN 14605:2005 + A1:2009 EN 13034 EN ISO 13982-1
Type 5/6 Type 6 Type 5

EN 1073-2 EN 14116 EN 1149-5
TIL Class 1

PRODUCT	CODE
Alphashield 1000	S1BH
Alphashield 2000*	S2BH+
Alphashield 2000CP	S2BHCP
Alphashield 2200	S2200



ALPHASHIELD 2000+

- + Lightweight spun-bonded polypropylene with outer breathable film
- + Taped sealing on storm flap for extra protection
- + Thumb loop arm protection remains in place when arm is raised

EN 14605:2005 + A1:2009 EN 13034 EN ISO 13982-1
Type 5/6 Type 6 Type 5

EN 1073-2 EN 14126 EN 1149-5
TIL Class 1 Type 5-B; 6-B



ALPHASHIELD 2200

- + Lightweight spun-bonded polypropylene with outer breathable film
- + Bound seam for additional protection and strength
- + Taped sealing on storm flap for extra protection
- + Thumb loop arm protection remains in place when arm is raised

EN 14605:2005 + A1:2009 EN 13034 EN ISO 13982-1
Type 5/6 Type 6 Type 5

EN 1073-2 EN 14126 EN 1149-5
TIL Class 1 Type 5-B; 6-B

agri Pro

aquasol Pro



SMOCK
AGSM 250

TROUSERS
AGTE 250

A range of waterproof and durable garments designed to protect agricultural and farming workers



KEY FEATURES

- + Lightweight, 195gm² PU/Polyester breathable fabric
- + Long lasting and exceptionally comfortable to wear
- + Wind and waterproof
- + Extra strong stitched and fully taped seams
- + Machine washable at 40°C
- + Bespoke options available to order on request

COLOUR



BIB 'N' BRACE
AGBB 250

PRODUCT	PRODUCT OPTIONS			CODE
	Collar	Hood	Elasticated Wrists	
Jacket	✓	✓	-	AGJC 250
Smock	✓	-	✓	AGSM 240 (Short Sleeve)
	✓	-	✓	AGSM 250 (Long Sleeve)
Trouser	-	-	-	AGTE 250
Bib 'n' Brace	-	-	-	AGBB 250
Sleeves	-	-	-	AGS15 250



JACKET
AQJH250

TROUSERS
AQTE250

Hard wearing, high quality waterproof clothing for industrial applications



KEY FEATURES

- + Manufactured from a lightweight 200gm² PU/ Polyester
- + Waterproof, windproof and tear resistant
- + Flexible 4-way stretch fabric offering improved comfort and unrestricted noise-free movement
- + Strong welded seams; waterproof with smooth finish
- + Machine washable at 40°C

COLOUR



WATERPROOF JACKET

Innovative hood design ensures a comfortable, stable fit without restricting vision
2-way zip with double facing cover
Knitted internal storm cuffs

OVER TROUSERS

Side open entry pockets | Elasticated waist
Stud adjustment at hem

PRODUCT	CODE
Aquasol Pro Jacket with Hood	AQJH250
Aquasol Pro Trouser with Elasticated Waist	AQTE250

EN 343



ENHA

ENHA IS A MULTI-AWARD WINNING ABOVE-THE-NECK PERSONAL PROTECTIVE EQUIPMENT MANUFACTURER AND PART OF GLOBUS GROUP.

ENHA's well-established products are developed, designed and manufactured in Germany at wholly-owned ISO 9001 certified facilities utilising cutting edge technology and production techniques.

ROCKMAN

Customers throughout Europe and the rest of the world are testament to the unwavering quality and attention to detail that ENHA provides. The innovative product portfolio includes a range of patented products under the ROCKMAN brand including the highly acclaimed Ranger safety helmet.



E-MAN

The first double-wall helmet with Crash Box on the market. The visor protects the whole face including the chin and can retract completely between the helmet shells if not required.

E-MAN 4000 CLASS 1

E-MAN 7000 CLASS 2



For further information call +44 (0)1461 202 452

THE FUTURE OF HEAD PROTECTION IS HERE

Introducing the award winning and patented ENHA Ranger safety helmet with Crash Box...

OFFERING GREATER HEAD PROTECTION TO THE USER THAN ANY OTHER HELMET TODAY.



The Ranger helmet is double-walled and manufactured with a special Crash Box integrated in to the top of the helmet shell.

Specially-designed cylinders and torsion pins are positioned between both walls. Should an impact occur, this will compress the lid and drive it into the respective helmet shell cylinders.

Unlike conventional safety helmets that absorb an impact via the shell and harness (which can in turn enhance the risk to the wearer) the Crash Box is able to absorb far more impact energy than any single wall helmet and provides additional protection for the user.

- Patented design
- Manufactured from UV Stabilized virgin granulate
- Resin blend casing
- Retractable integraspec

- Reflective sticker set
- EN 397:2012 + A1: 2012
- EN 50365 2002-5
- ANSI/ISEA Z89.1-2014
- Made in Germany

WHY ROCKMAN HELMETS?

- Excellent absorption rates - less than half of the max 5000N tolerated by EN 397 (From -30°C to +50°C)
- Self-releasing chin strap mounts - ROCKMAN helmets protect the wearer by means of a self-releasing hook which is integrated into the headband. If the helmet is removed with force from the head, the chin strap will be released automatically, helping to overcome the danger of strangulation
- Single hand-operated ratchet headband (optional) with rear adjuster for instant sizing even with a hand inside a protective glove
- Virgin plastic granulate only from leading brand manufacturers (no remanufactured granulate)
- Ventilation holes (model specific) are situated on top allowing the warm air to ascend drawing cooler air into the helmet shell
- 30mm slots for hearing and/or visor mounting
- Lightweight - models starting from only 310g
- Additional neck protection via the helmet shell
- Wide range of sweatbands (fleece, leather, terry cloth, plastic, cooling, all antiallergic and washable)
- Exclusively manufactured and assembled in Germany
- Worldwide certified: ANSI USA, Russia GHOST, EN Europe, Chile and many more



DEFORMATEC™ (DFT) SUSPENSION SYSTEM

This ENHA patented system reacts instantly to absorb impact energy before it can reach the wearer.

Twelve DeFormaTec connectors spaced evenly around the helmet interior ensure that the system works efficiently even if the impact strikes off-centre.



CONSTRUCTION SAFETY HELMETS



C3/C3A*

Harness - 6 Point Elastic Harness
Comfort - Sweatband: Plastic
Weight - 325g



C4/C4A*

Harness - 4 Point Textile Harness
Comfort - Sweatband: Fleece
Weight - 310g



C6/C6A*

Harness - 6 Point Textile Harness
Comfort - Sweatband: Fleece
Weight - 320g

*Denotes ABS model

C-SERIES	
CE	Tested and certified according to EN 397
US - Norm	Tested and certified according to ANSI Z89-2
Russ - Norm	Tested and certified according to GHOST
Special	-30°C (standard requirement - 10°C)
Material	Polyethylene or ABS
Helmet Shell	Neck protection
Slots	30mm
Form	Rain gutter
Accessory	Chin strap, self-releasing
Colours	○ ● ● ● ● ●



FORESTRY SAFETY HELMET COMBOS



Model Number:
2806FPWU
Part of the 2800 Series

RANGE	DESCRIPTION
2500 Series	F4-A/F6-A Helmet, Wire Type Hearing Protector + Wire-/Nylon Mesh Visor
2600 Series	F4-A/F6-A Helmet, Wire Type Hearing Protector + Wire-/Nylon Mesh Visor + Nape protector
2700 Series	F4-A/F6-A Helmet Polyamide Type Hearing Protector + Wire-/Nylon Mesh Visor
2800 Series	F4-A/F6-A Polyamide Type Hearing Protector + Wire-/Nylon Mesh Visor + Sun Protector
All Series	F4-A/ F6-A Forestry helmet with additional ventilation
CE	Tested and certified according to EN 397, EN 352, EN 1732
ANSI	Tested and certified according to US Norm ANSI Z89
Special	-30°C (standard requirement - 10°C)
Colours	○ ● ● (HiViz)

An extensive range of above-the-neck ENHA PPE products are available. Please contact us to discuss how we can help.

GUIDE TO PROTECTIVE CLOTHING STANDARDS



EN 14605:2005+A1:2009

Protective clothing against liquid chemicals. Performance requirements for clothing with liquid-tight, [Type 3], or liquid-tight, [Type 4], connections, including items providing protection to parts of the body only, [Types PB [3] and PB [4]].

EN 465

Protective clothing. Protection against liquid chemicals. Performance requirements for chemical protective clothing with spray-tight connections between different parts of the clothing, [Type 4 equipment].

EN 466

Protective clothing. Protection against liquid chemicals. Performance requirements for chemical protective clothing with liquid-tight connections between different parts of the clothing, [Type 3 equipment].

EN 467

Protective clothing. Protection against liquid chemicals. Performance requirements for garments providing protection to parts of the body.

EN13034

Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals, [Type 6 equipment].

EN ISO 13982-1

Protective clothing for use against solid particulates. Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates, [Type 5 clothing].



EN 14605:2005+A1:2009

Protective clothing against liquid chemicals. Performance requirements for clothing with liquid-tight connections, [Type 3].

EN 466

Protective clothing. Protection against liquid chemicals. Performance requirements for chemical protective clothing with liquid-tight connections between different parts of the clothing, [Type 3 equipment].



EN 14605:2005+A1:2009

Protective clothing against liquid chemicals. Performance requirements for clothing with spray-tight connections, [Type 4].

EN 465

Protective clothing. Protection against liquid chemicals. Performance requirements for chemical protective clothing with spray-tight connections between different parts of the clothing, [Type 4 equipment].



EN 13034

Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals, [Type 6 equipment].



EN ISO 13982-1

Protective Clothing for use against solid particulates. Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates, [Type 5 clothing]



EN 533

Protective clothing. Protection against heat and flame. Limited flame spread materials and material assemblies.

EN ISO 14116

Protective clothing. Protection against heat and flame. Limited flame spread materials, material assemblies and clothing.



EN 1149-1:1995

Protective clothing. Electrostatic properties. Part 1: Surface resistivity, (Test methods and requirements).

EN 1149-1:2006

Protective clothing. Electrostatic properties. Part 1: Test method for measurement of surface resistivity.

EN 1149-3:2004

Protective clothing. Electrostatic properties. Part 3: Test methods for measurement of charge decay.

EN 1149-5:2008

Protective clothing. Electrostatic properties. Part 5: Material performance and design requirements.



EN 471:1994

High-visibility warning clothing.

EN ISO 20471:2013

High visibility clothing. Test methods and requirements.



EN 14126

Protective clothing. Performance requirements and test methods for protective clothing against infective agents.



EN 1073-2

Protective clothing against radioactive contamination. Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination.

SIZING GUIDE - PROTECTIVE CLOTHING

PVC AND EPVC ONLY

Measurements are in cm

	XS	S	M	L	XL	XXL
Height	162-168	162-168	168-174	174-180	180-186	180-186
Chest	82-90	90-98	98-106	106-114	114-122	122-130
Waist	74-81	81-89	89-97	97-104	104-112	112-120
Inside Leg	73	73	76	79	81	81

ALPHACHEM X ONLY

Measurements are in cm

	S	M	L	XL	XXL	XXXL
Height	164-170	170-176	176-182	182-188	188-194	194-200
Chest	84-92	92-100	100-108	108-116	116-124	124-132

ALPHASHIELD ONLY

Measurements are in cm

	S	M	L	XL	XXL	XXXL
Height	162-170	168-176	174-182	182-188	188-194	194-200
Chest	84-92	92-100	100-108	108-116	116-124	124-132

STOCK REFERENCE CODES - PROTECTIVE CLOTHING

Product References:

CM	chemmaster
CS	chemsol
CP	chemsol plus
HL	chemsol HG Lite
CH	chemsol HG
AG	agri Pro
AQ	aquasol Pro

Parts References:

A	Apron
B	Boilersuits
BB	Bib 'n' brace
C	Collar
EW	Elasticated wrist
EWA	Elasticated wrists and ankles

EIWA Elasticated inner wrists and ankles

H	Hood
J	Jackets
O	Glovezon 'O' ring cuff
R	Reflective tape (one band)
TE	Trousers with elasticated waist

Example

CPBH-EW-R =
chemsol plus (**CP**)
boilersuit (**B**)
hood (**H**)
elasticated wrists (**EW**)
reflective tape (**R**)

GUIDE TO HEARING PROTECTION STANDARDS

EN 352:2002

The requirement in relation to the ability of hearing protection products to reduce noise below daily limit levels is addressed in this standard by requiring the sound attenuation of the products, measured in accordance with EN 24869-1, to be not less than a specified minimum.

EN 352 distinguishes between different types of hearing protectors and each type has to comply with the respective requirements. The main types can be identified using the following extensions:

- EN 352-1 applies to ear defenders
- EN 352-2 applies to earplugs
- EN352-3 applies to ear defenders attached to industrial safety helmets

GUIDE TO RESPIRATORY PROTECTION STANDARD

EN 149:2001+A1:2009

This European Standard specifies minimum requirements for filtering half masks as respiratory protective devices to protect against particles except for escape purposes. A particle filtering half mask covers the nose and mouth and chin and may have inhalation and/or exhalation valve(s). The half mask consists entirely or substantially of filter material or comprises a facepiece in which the main filter(s) form an inseparable part of the device. It is intended to provide adequate sealing on the face of the wearer against ambient atmosphere when the skin is dry or moist and the head is moved. Air enters the particle filtering half mask and passes directly to the nose and mouth area of the facepiece or via an inhalation valve(s). The exhaled air flows through the filter material and/or an exhalation valve (if fitted) directly to the ambient atmosphere. These devices are designed to protect against both solid and liquid aerosols.

Particle filtering half masks are classified according to their filtering efficiency and their maximum total inward leakage. There are three classes of devices; FFP1, FFP2 and FFP3. In addition, particle filtering half masks are classified as single shift use only, marked with symbol 'NR' or as reusable (more than one shift) - marked with symbol 'R'.

Performance tests within this Standard include filter penetration, extended exposure (loading) test, flammability, breathing resistance and total inward leakage. Reusable products are also subjected to cleaning, storage and mandatory clogging resistance tests. The clogging resistance test is optional for non-reusable products.

DOLOMITE TEST

The Dolomite test is an optional test under Standard EN 149:2001+A1:2009. Respirators which pass the dolomite clogging test are proved to provide more comfortable breathing whilst wearing the respirator and will be marked with symbol 'D' after the class of respirator, such as FFP2 NR D.

GUIDE TO EYEWEAR PROTECTION STANDARD

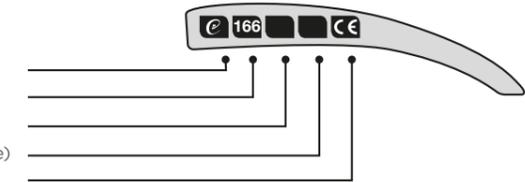
EN 166: 2002

EN 166:2002 is a European technical performance standard for eye protection. All manufacturers of safety eyewear are required to have their products independently tested against this European standard. Both the frame and lens are tested, therefore both must include the CE symbol and the manufacturer's logo. The CE marking certifies that a product has met EU consumer safety, health or environmental requirements.

Within the standard, there are numerous levels of compliance, depending on the end use of the piece of equipment in question.

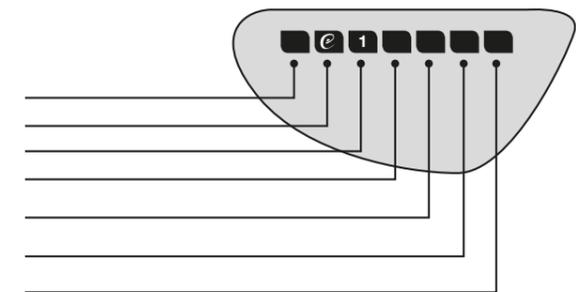
A MARKING ON FRAME

- I Identification of the manufacturer
- II Number of the EN Standard
- III Field(s) of use (where applicable)
- IV Symbol for resistance to high speed particles (where applicable)
- V Certification mark



B MARKING ON LENS

- VI Scale numbers (filters only)
- VII Identification of the manufacturer
- VIII Optical class
- IX Symbol for mechanical strength (optional)
- X Symbol for non-adherence of molten metal and resistance to penetration of hot solids (optional)
- XI Symbol for resistance to surface damage by fine particles (optional)
- XII Symbol for resistance to fogging (optional)
- V Certification mark



For further information on safety eyewear lens markings, please go to page 39.

HAND PROTECTION SOLUTIONS



SHOWA gloves are synonymous with the highest degree of hand protection and innovation.

Technological expertise and 58 patents have contributed to a pioneering glove portfolio manufactured to exceptional standards.



www.showagloves.com



SKYTEC gloves deliver advanced hand protection solutions for users in many different industries.

Performance and quality are intrinsic values of a broad and innovative glove range that delivers exceptional value and customer satisfaction.



www.skytecgloves.com

**HEALTHCARE
HAND PROTECTION**



The specialist HAIKA brand represents hand protection solutions for the healthcare environment.

It includes a comprehensive, powder-free product portfolio to support hand protection needs ranging from specialist sterile surgical to non-sterile examination gloves.



www.haikagloves.com

**PERFORMANCE
EYEWEAR**



Riley is a sophisticated range of safety eyewear products constructed to protect your eyes in a wide range of environments.

Each model has been engineered with ingenuity and crafted to exceptional standards in a sharp, modern style.

**Precision, style
and comfort
PERFECTLY
BALANCED**



www.riley-eyewear.com

GLOSSARY OF TERMS

Action Levels	In the workplace, there are 2 main action levels when hearing protection must be worn. Lower (or first) level at 80dB and the upper level at 85dB and above.
APF	Assigned Protection Factor – A practical way of determining the level of protection in workplace.
AS	Anti Static
Attenuation	Refers to the reduction in the strength of a signal.
BSIF	The British Safety Industry Federation - The lead association for the Personal Protective Equipment (PPE) Directive and is recognised as a Competent Authority by the Health & Safety Executive (HSE).
COSHH	Control of Substances Hazardous to Health - A body of regulations to govern the storage and use of such substances.
DB	Decibels - A unit used to measure the intensity of a sound.
EPVC	Emulsion Polyvinyl Chloride – A material produced through batch emulsion, continuous emulsion, or micro-suspension polymerisation. Resulting in an aqueous latex, i.e. a very fine suspension of PVC polymer.
FFP	Filtering Face Piece – The description used for disposable respirators.
FR	Flame Retardant
HDPE	High-density Polyethylene - A polyethylene thermoplastic made from petroleum.
MEL	Maximum Exposure Limit – Substances which may cause the most serious health effects.
NPF	Nominal Protection Factor – The level of respiratory protection given when tested.
OES	Occupational Exposure Standard – A level at which [based on current scientific knowledge] there is no indication of risk to health of workers exposed by inhalation day after day.
PVC	PVC is a thermoplastic made of 57% chlorine and 43% carbon. PVC is sometimes known as 'Vinyl'.
SNR	Single Number Rating system. The SNR value can be used to compare the level of noise attenuation offered by different hearing protectors.
WEL	Workplace Exposure Limit – Concentrations of hazardous substances in the air, averaged over a specified period.
WPF	Workplace Protection Factor – If it can be proved that the employee can attain a higher level of protection than the APF, then the protection factor can move towards the NPF.

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