

CleanAIR[®]

work hard . breathe easy



Scan here to view our range

Catalogue 2023

Welding and manufacturing • Chemical • Asbestos

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ABOUT US

TECHWARE is a manufacturer of safety products that focuses on providing total worker protection. Our leading brand Maxisafe, is a trusted range of high-quality personal protective equipment (PPE) and safety equipment in Australia.

Our range of products includes hand protection, head protection, clothing, respiratory equipment, and site and civil safety products. We are committed to meeting the strictest quality standards and comply with safety regulations in Australia, Europe, and the US.

Our products feature innovative designs that give your workforce a competitive edge in performance. Regardless of your industry, whether it's construction, manufacturing, food processing, mining, or chemicals, we have the safety equipment to cover your needs.

Techware is the exclusive agent for **MALINA - Safety s.r.o.**, which specialises in the design, development, and production of the **CleanAIR®** range of personal respiratory protection systems.

CleanAIR® products prioritise user safety and comfort and comply with relevant safety standards. These products are exported to over 40 countries worldwide and represent a significant portion of the respiratory protection market.

CleanAIR® products are produced in the Czech Republic, and their quality is ensured by their own production facilities, which meet ISO 9001 and AQAP 2110 standards. In Australia and New Zealand, the CleanAIR® PAPR range is fully approved by the British Standards Institution (BSI) and complies with ISO 9001, AS/NZS 1716:2012, AS/NZS 1337.1:2010, and AS/NZS 1801:1997 standards. BSI's rigorous certification process ensures that our products effectively protect against airborne contaminants and meet stringent safety and performance requirements, making them suitable for use in a variety of industries, including chemical, pharmaceutical, food processing, and agriculture.

Our comprehensive aftersales service includes a full range of parts and accessories and a team of fully qualified service professionals to ensure that you maximise the performance of your CleanAIR® PAPR Kit.

At Techware, we are committed to providing our customers with the highest quality safety products and exceptional service.

THE IMPORTANCE OF RESPIRATORY PROTECTION IN OCCUPATIONAL SAFETY

The risk of respiratory illnesses and a potential impact on human health is an important problem in the workplace that should be taken into consideration by both employees and employers. If human lungs are exposed to the high concentrations of dust, smoke, welding fumes, aerosols or toxic gases or vapours, their capacity can be decreased or they can be damaged. Some particularly dangerous substances can cause severe harm to other human organs. This risk can be effectively prevented with the use of personal respiratory protection equipment.

CleanAIR® – POWERED AIR PURIFYING RESPIRATORY SYSTEMS

CleanAIR® is a complete system of personal respiratory protection based on the principle of overpressure of the filtered air in the breathing zone. The system consists of a powered air respirator which is installed on the wearer's belt and filtrates the air taken from the surrounding environment through the efficient particle, gas or combined filters. The purified air is delivered through the breathing tube into a protective mask or hood.

The overpressure inside the system prevents the hazardous substances from entering the breathing zone. This mild overpressure at the same time ensures the wearer's comfort, even with long-term use, as the wearer is not forced to overcome the breathing resistance of the filter.

HOW TO SELECT PROPER RESPIRATORY PROTECTIVE EQUIPMENT (RPE)?

(based on knowledge of Nominal Protection Factor)

1. You need to know the concentration of the hazardous substance in a workplace

2. You need to know assigned Workplace Exposure Limit (WEL)

The list of the most typical contaminants and relevant WEL's can be found in our „Filter Guide“ where the information were taken from HSE publication EH40/2005 Workplace Exposure Limits, or you can source it from local authorities.

WEL's are occupational exposure limits (concentrations) of a specific airborne substance averaged over a reference period, to which workers may be exposed without experiencing significant adverse health effects. There are two reference periods for which the WELs may be set: 8-hour Time Weighted Average (TWA) and 15-minute Short Term Exposure Limit (STEL).

TWA (Time Weighted Average) – 8 hours (long term)

TWAs are set to help preventing health effects which require prolonged or accumulated exposure.

STEL (Short Term Exposure Limit) – 15 minutes (short term)

STELs are set to help prevents health effects which may be seen after short exposure (e.g. eye irritation that could occur after a few minutes) The absence of a substance from the list of WELs does not indicate that it is safe. For these substances, exposure should be controlled to a level to which nearly all the working population could be exposed, day after day at work, without any adverse effects on health.

3. You need to determine the needed minimum protection factor of RPE

For example: Powered air purifying respirator incorporating a hood classified as TH3 according to EN 12 941 has a maximum inward leakage of 0,2 %.

Therefore NPF = 100 (%) : 0,2 (%)= 500.

EXAMPLE:

CONTAMINANT	ACETIC ANHYDRIDE (gas protection needed)
Concentration at the workplace	100 mg / m ³
WEL	2,5 mg / m ³

$$\text{Minimum protection factor} = \frac{\text{Concentration at the workplace}}{\text{WEL}} = \frac{100}{2,5} = 40$$

NOMINAL PROTECTION FACTOR (NPF)

Theoretical level of protection of Respiratory Protective Equipment calculated using performance data measured in the laboratory.

It indicates the mathematically calculated maximum breathing protection performance. Calculated by dividing 100 by the total value of maximum inward leakage as specified in the relevant standard.

Nominal protection factors (NPF) and assigned protection factors in different countries

DESCRIPTION / DEVICE	CLASS	NPF	ASSIGNED PROTECTION FACTORS (USED IN SOME COUNTRIES)				
			FIN	D	I	S	UK
PAPR with helmet or hood EN 12941	TH1	10	5	5	5	5	5
	TH2	50	20	20	20	20	20
	TH3	500	200	100	200	200	40
PAPR with half or full face mask EN 12942	TM1	20	10	10	10	10	10
	TM2	200	100	100	100	100	20
	TM3	2000	1000	500	400	1000	40
Continuous flow compressed airline breathing apparatus EN 14594	1A/1B	10	-	-	-	-	-
	2A/2B	50	-	-	-	-	-
	3A/3B	200	-	-	-	-	-
	4A/4B	2000	-	-	-	-	-

WHAT IS THE MAXIMUM CONCENTRATION OF THE CONTAMINANT FOR WHICH I CAN USE RESPIRATORY PROTECTION?

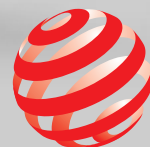
You can determine the maximum permissible concentration by multiplying the nominal protection factor (as found in the NPF table) by the Workplace Exposure Limit.

CAUTION!

In the case where the contaminants are present in both particle and gas form, the necessary NPF must be established for each one separately and the higher protection factor must be applied.

CleanAIR®

Omnira COMBI air



reddot winner 2022

ONE SOLUTION FOR MANY NEEDS

Autodarkening welding helmet with flip-up welding shield and built-in air distribution system makes this welding helmet very suitable for most of welding and grinding jobs in the most demanding environments.

The flip-up front can be easily lifted up whenever the wide undisturbed view is needed. The clear visor features superior optical quality, high mechanical resistance and anti-fog coating.

F FEATURES AND BENEFITS

- The highest respiratory protection and more comfort thanks to an advanced built-in air distribution system
- Multiple protection – eye, face and respiratory at once
- Easily removable welding visor for extended non-welding jobs
- Newly designed head suspension allows multiple individual settings
- Fast and easy replacement of all spare parts
- True colour ADF with the highest optical quality 1/1/1/1
- Extended shade range
 - 5–8 for Oxy and Plasma cutting
 - 9–14 for welding
- Four sensors for stable arc detection
- Outer grinding mode control
- Smart power control – auto ON, auto OFF

A AREAS OF APPLICATION

Professional flip-up welding helmet suitable for most of welding processes such as MIG/MAG, SMAW, TIG, Plasma Arc welding and cutting, Carbon Arc gouging, gas welding and cutting. Thanks to the large clear visor it is very convenient for grinding.

T TECHNICAL DATA

Parameters	Specification
Weight	1017 g
ADF dimension	110×90×7 mm
Viewing area	98×62 mm
Shade range	3 / 5–8 / 9–14
Hose connection	QuickLOCK™
Certification	EN 175 B, EN166 1 FT B K N EN 379 1/1/1/1 EN 12941 TH3 (NPF 500) EN 14594 3B (NPF 200)

P PRODUCT VARIANTS

Product description	Art.No.
Welding helmet CleanAIR® Omnira COMBI air, incl. ADF S60F	703201
Ready 2 Weld CleanAIR® AerGO® & Omnira COMBI air	303201
Ready 2 Weld CleanAIR® Basic & Omnira COMBI air	813201
Ready 2 Work CleanAIR® AerGO® & Omnira air	303100
Ready 2 Work CleanAIR® Basic & Omnira air	813100

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

1 TRUE COLOUR



True colour technology for increased colour perception and excellent clarity of vision at all time.

2 EXTEND YOUR PROTECTION

available accessories*



Product description

Product code

Protective head cover, flame retardant

703071*

Protective neck cover, flame retardant

703072*

Protective head&neck cover, flame retardant

703073

* comes standard with CleanAIR® Omnira COMBI air

3 EXPAND YOUR PERSPECTIVE



Stay protected

The flip-up system allows you to switch between welding and grinding without compromising respiratory protection.

Lift up

The flip-up front can be lifted up whenever the wide undisturbed view is needed.



Be versatile

For extended non-welding jobs, simply remove the welding visor completely with one click.



4

ADJUSTABLE AIR FLOW

For more individual comfort you can regulate the airflow in two zones

Zone 1 – Control knob accessible from outside the helmet controls the direction of the air coming from the lower part of the airduct.

Zone 2 – The two other outputs are located in the upper part of the helmet. The intensity of the airstream can be regulated by the two sliders inside the helmet.



5

VariGEAR



1 Fits all head shapes

Newly designed head suspension allows multiple individual settings.

2 Soft paddings

The soft padding sits gently on the top of the head and ensures better weight distribution and a perfect fit.

3 Comfortable headgear

The crown part of the headgear is vertically adjustable to fit all head shapes and sizes.

4 Quick replacement

Easy replacement of the headgear just by sliding it out of the holder.

5 Customizable

Easy adjustment of the distance between the face of the welder and the visor. Keep the visor as close as possible to your eyes for a wider view and minimum neck strain.

6 Comfort for your head

The soft padding of the back part of the headgear swivels to fit different head shapes.

7 Precise fit

The smooth ratchet mechanism allows precise adjustment of the head circumference and a secure fit.

CleanAIR®

Verus air



TOP PROTECTION FOR EVERY WELDER

Autodarkening welding helmet with an advanced air distribution system for increased user's comfort and respiratory protection without compromise. True colour ADF with enlarged viewing area and extended shade range makes the helmet suitable for most of welding jobs.

F FEATURES AND BENEFITS

- The highest respiratory protection and more comfort thanks to an advanced built-in air distribution system
- Newly designed head suspension allows multiple individual settings
- True colour ADF with the highest optical quality 1/1/1/1
- Extended shade range
 - 5–8 for Oxy and Plasma cutting
 - 9–14 for welding
- Four sensors for stable arc detection
- Smart power control – auto ON, auto OFF
- Magnifying lens can be easily attached to the ADF
- Outer grinding mode control
- Fast and easy replacement of all spare parts

A AREAS OF APPLICATION

Suitable for most of welding processes such as MIG/MAG, SMAW, TIG, Plasma Arc welding and cutting, Carbon Arc gouging, gas welding and cutting. Not suitable for laser welding.

T TECHNICAL DATA

Parameters	Specification
Weight	793 g
ADF dimension	110×90×7 mm
Viewing area	98 × 62 mm
Shade range	3 / 5–8 / 9–14
Hose connection	QuickLOCK™
Certification	EN 175 B, EN 379 1/1/1/1 EN 12941 TH3 (NPF 500) EN 14594 3B (NPF 200)

P PRODUCT VARIANTS

Product description	Art.No.
Welding helmet CleanAIR® Verus air, incl. ADF S60+	703001
Ready 2 Weld CleanAIR® AerGO® & Verus air	303001
Ready 2 Weld CleanAIR® Basic & Verus air	813001

Recommended combinations

AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

1**TRUE COLOUR**

True colour technology for increased colour perception and excellent clarity of vision at all time.

2**EXTEND YOUR PROTECTION****Product description****Product code**

Protective head cover,
flame retardant

703071*

Protective neck cover,
flame retardant

703072*

Protective head&neck cover,
flame retardant

703073

* comes standard with CleanAIR® Verus air

3**ADJUSTABLE AIR FLOW**

For more individual comfort you can regulate the airflow in **two zones**

Zone 1 – control lever, accessible from outside the helmet, controls the direction of the air coming from the lower part of the airduct.

Zone 2 – control knob, accessible from outside the helmet, controls the air coming from the upper part of the airduct.

Zone 3 – the two sliders on the inside of the the helmet control the intensity of the airflow coming either towards welder's mouth or from the sides.

4 VERUS AIR

1 Lightweight and durable

Lightweight and durable shell, meets the requirements of EN 175 B and thus ensuring protection against high speed particles.

2 Air distribution

An advanced built-in air distribution system.

3 Easy switch

Grinding mode control.

4 Fully adjustable

Outer control of the direction and intensity of the air in the helmet.

5 Tilt angle control

The tilt adjustment knob is easily accessible from the outside of the helmet.



5 VariGEAR



1 Quick replacement

Easy replacement of the headgear just by sliding it out of the holder.

2 Comfortable headgear

The crown part of the headgear is vertically adjustable to fit all head shapes and sizes.

3 Fits all head shapes

Newly designed head suspension allows multiple individual settings.

4 Customizable

Easy adjustment of the distance between the face of the welder and ADF. Keep the helmet as close as possible to your eyes for a wider view and minimum neck strain.

5 Precise fit

The smooth ratchet mechanism allows precise adjustment of the head circumference and a secure fit.

6 Soft paddings

The soft padding sits gently on the top of the head and ensures better weight distribution and a perfect fit.

CleanAIR®

SUMMIT air



Lightweight welding helmet with an advanced air distribution, enlarged viewing area and superior breathing protection for the price you can afford. Aertec™ SUMMIT air is the right choice for most welding jobs for both professional and occasional welders.

F FEATURES AND BENEFITS

- Lightweight yet durable
- High quality ADF with True Colour technology
- Enlarged viewing area
- Extended shade adjustment:
 - 5–8 for Oxy and Plasma cutting
 - 9–13 for welding
- Outer grinding mode control
- Fast and easy replacement of all spare parts

A AREAS OF APPLICATION

Lightweight welding helmet suitable for most of welding processes such as MIG/MAG, SMAW, TIG, Plasma Arc welding and cutting, Carbon Arc gouging, gas welding and cutting. Not suitable for laser welding.

T TECHNICAL DATA

Parameters	Specification
Weight	756 g
ADF dimension	110×90 mm
Shade range	3 / 5–8 / 9–13
Viewing area	98×62 mm
Hose connection	QuickLOCK™
Certification	EN 175 B, EN 379 (1/1/1/2) EN 12 941 TH3 (NPF 500) EN 14594 3B (NPF 200)

P PRODUCT VARIANTS

Product description	Art.No.
Welding hood AerTEC SUMMIT air incl. headgear and ADF 5-8/9-13	703401

1 VariGEAR

1 Fits all head shapes

Newly designed head suspension allows multiple individual settings.

2 Soft paddings

The soft padding sits gently on the top of the head and ensures better weight distribution and a perfect fit.

3 Comfortable headgear

The crown part of the headgear is vertically adjustable to fit all head shapes and sizes.

4 Quick replacement

Easy replacement of the headgear just by sliding it out of the holder.

5 Customizable

Easy adjustment of the distance between the face of the welder and the visor. Keep the visor as close as possible to your eyes for a wider view and minimum neck strain.

6 Comfort for your head

The soft padding of the back part of the headgear swivels to fit different head shapes.

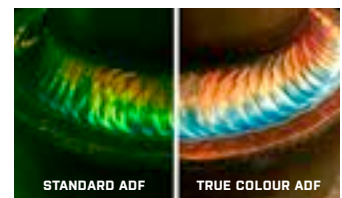
7 Precise fit

The smooth ratchet mechanism allows precise adjustment of the head circumference and a secure fit.



2 True Colour View

A specially developed UV/IR filter allows realistic colour perception, bringing colour to the welder's world.



Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR®

CA-27 Yoga



AerTEC™ YOGA represents a high-quality welding helmet for the price you can afford. The new concept uses a lightweight but durable welding shield in combination with high-quality auto-darkening filter AerTEC™ X100 or auto-darkening filter AerTEC™ X110 True Colour. This helmet is suitable for most of the welding methods including TIG, even with very low welding currents. In combination with powered air purifying respirators or airline systems CleanAIR® it provides an advanced level of protection against hazardous contaminants in very demanding welding environments.

F FEATURES AND BENEFITS

- Advantageous price/performance ratio
- High-quality autodarkening filter – optical quality 1/1/1/2
- True Colour technology ADF as an option
- Lightweight and comfortable
- Enlarged viewing area 100×53 mm
- Continuously adjustable shade 5–8 / 9–13
- The wide range of adjustable sensor sensitivity
- Individual delay settings
- Grinding mode

T TECHNICAL DATA

Parameters	Specification
Weight	650 g
ADF dimension	110×90 mm
Viewing area	100×53 mm
Shade range	4 / 5–8 / 9–13
Hose connection	QuickLOCK™
Certification	EN 175 B, EN 379 1/1/1/2 EN 12941 TH2 (NPF 50) EN 14594 2A/2B (NPF 50)

A AREAS OF APPLICATION

Suitable for most of the welding methods including TIG, even with very low welding currents.

P PRODUCT VARIANTS

Product description	Art.No.
Welding helmet CA-27 YOGA, including air distribution and ADF AerTEC™ X100 4/9–13	702701
Welding helmet CA-27 YOGA, including air distribution and ADF AerTEC™ X110 True Colour 4/9–13	702701TC

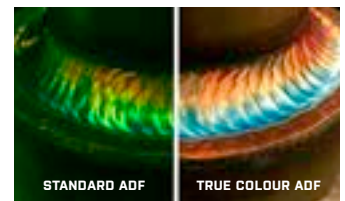
1 Replacement Comfort Head Harness

Comfortable and ergonomic design 4-point head harness- Fits all head shapes comfortably and even distribution of weight for a comfortable fit



2 True Colour View

A specially developed UV/IR filter allows realistic colour perception, bringing colour to the welder's world.



Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR®

ARES II



HEAVY-DUTY WELDING HOOD

Developed with extensive input from welders working at high amperages and facing extensive radiant heat and hot spatters. This robust leather welding hood incorporating easily removable safety helmet ensures uncompromising respiratory and upper body protection where the welder's safety is the highest priority. Perfect for application in tight spaces – thanks to compact design and removable safety helmet it allows you to squeeze into spaces where access with conventional helmet is not possible. It is compatible with the airline system CleanAIR® Pressure ARES.

F FEATURES AND BENEFITS

- Multiple protection – head, eye, face, respiratory and optional hearing
- Innovative air distribution ensuring high breathing comfort
- Available with two different sizes of welding filter opening – 110×90 mm and 110×60 mm
- Compatible with auto-darkening or passive filters
- Stable flip-up welding frame
- Resistant against radiant heat and welding spatter – class 2 according to EN ISO 11611
- Individually adjustable airflow in the wide range 160–250 lpm
- Low pressure warning signal

A AREAS OF APPLICATION

Suitable for all heavy-duty welding applications whenever protection against extensive radiant heat and hot spatters is needed.

HA TECHNICAL DATA HOOD ARESII

Parameters	Specification
Weight	1 440 g
Material	hood – high quality leather welding frame – polyamide
Hose connection	compatible with MINI DN 5 (CEJN 223)
Certification	EN 14594 - class 3B (NPF 200), EN 166 1B, EN 175 B, EN 170, EN ISO 11611 – Level 2/A1

PA TECHNICAL DATA PRESSURE ARES

Parameters	Specification
Air flow	adjustable 160–250 lpm
Inlet pressure	400–1 000 kPa
Weight	312 g
Inlet connection	compatible with RECTUS 25, 26 and CEJN 320
Outlet connection	compatible with MINI DN 5 (CEJN 223)
Certification	EN 14594, class 3B

Recommended combinations

AerGO*



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR®

CA-29 Evolve



Represents an ergonomic and lightweight flip-up combination of auto-darkening welding helmet and protective visor. Thanks to the stable flip-up welding visor it provides excellent protection for grinding, welding and subsequent surface finishing operations. The flip-up front can be lifted up onto the top of the helmet, whenever the wide undisturbed view is needed. The flip-up welding shield allows to use either auto-darkening filter or passive welding filter with standard dimension 110×90 mm.

F FEATURES AND BENEFITS

- Combines welding and grinding protection, large curved visor 170×95 mm
- Compact and durable design - low weight, well balanced, comfortable
- Compatible with autodarkening or passive filters 110×90 mm
- Easily exchangeable spare parts

P PRODUCT VARIANTS

Product description	Art.No.
Welding helmet CA-29 air, incl. ADF X110 V9-13 True Color	702902TC
Welding helmet CA-29 air, incl. passive welding filter no. 10	702900

A AREAS OF APPLICATION

Welding hood CA-29 finds application in many sectors like building industry, automotive industry, shipbuilding industry, heavy industrial environments, etc. It is suitable for most of welding methods and subsequent cleaning and grinding operations.

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR®

CA-40



EASY TO WEAR, EASY TO USE HELMET

A conceptual solution for the most challenging industries available in three individual product modifications. You can choose from the combination of the safety helmet with the welding shield or the grinding visor or even benefit from both solutions integrated into one protective device.

F FEATURES AND BENEFITS

- Multiple protection – 5 levels of protection at once: eye, face, head, respiratory and optional hearing protection
- Easy to wear, easy to use and easy to maintain system
- Comptabile with ADFs or passive filters 110x90 mm
- Superb quality spherical visor guarantees an excelent field of vision
- Anti-fog coating prevents the visor from fogging
- Anti-scratch coating increases the mechanical durability of the visor
- Shade 4, shade 5 and yellow visors available
- Enhanced robustness - protection against high-speed particles with HIGH energy
- In-built air distribution system
- The highest standard in respiratory protection – TH3

A AREAS OF APPLICATION

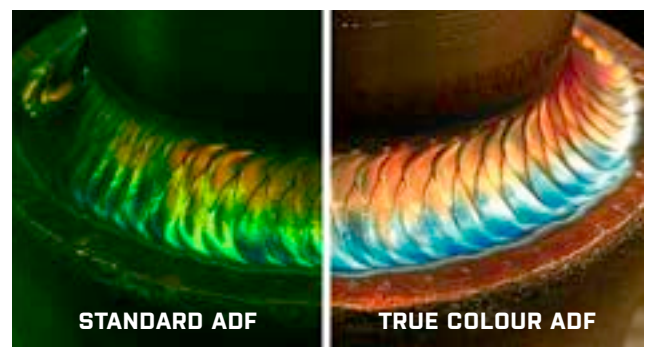
Automotive industry, construction, shipbuilding, heavy duty maintenance, metal smelting.

T TECHNICAL DATA

Parameters	Specification
Weight (GW/G/W)	1255 / 1100 / 1100 g
ADF dimensions	110x90x7 mm
Viewing area	95x46,5 mm – Balder V9-13 100x53 mm – AerTEC™ X100/X110
Shade range	9-13 – Balder 4 / 5-8 / 9-13 – AerTEC™ X100 / X110
Hose connection	QuickLOCK™
Certification	EN166 1, 9, A, K, N, EN 379 1/1/1/2 EN 175 S, B, EN397 EN 12941 TH3 (NPF 500) EN 14594 3B (NPF 200)

1 True Colour View

A specially developed UV/IR filter allows realistic colour perception, bringing colour to the welder's world.

**Recommended combinations**

AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

2 CA-40GW



Multi-purpose safety helmet with a welding and grinding shield provides 5 levels of protection at once: eye, face, head, respiratory and optional hearing protection. Stable flip-up is compatible with auto-darkening filters or passive filters in dimension of 110x90 mm. Superb quality visor with anti-fog / anti-scratch coating guarantees excellent field of vision and increased durability. The easy to change DIN4 or DIN5 visor expand the system to the perfect protector for efficient Plasma or Oxy cutting. The product is suitable for the most challenging welding tasks including welding preparations (positioning, clamping) and further surface operations (grinding, cleaning, polishing).

Product description

Art.No.

Safety helmet CA-40GW with welding shield and grinding visor, w/o ADF	704200
Safety helmet CA-40GW with welding shield and grinding visor, including ADF Balder V9-13	704201
Safety helmet CA-40 GW with welding shield and grinding visor, incl ADF AerTEC X110 5-8/9-13	704203

3 CA-40



Combination of a welding shield and a safety helmet with integrated air distribution. Ensures protection of the head, eyes, face, respiratory and hearing. Compatible with auto-darkening filters or passive filters in dimension of 110x90 mm.

Product description

Art.No.

Safety helmet CA-40 with welding shield, w/o ADF	704000
Safety helmet CA-40 with welding shield, with ADF Balder V9-13	704001

4**CA-40G**

Combination of a grinding visor and a safety helmet with integrated air distribution. Ensures protection of the head, eyes, face, respiratory and hearing. Superb quality toric visor with anti-fog / anti-scratch coating guarantees an excellent field of vision and increased durability. The easy to change DIN4 or DIN5 visor expands the system to the perfect protector for efficient Plasma or Oxy cutting.

Product description**Art.No.**

Safety helmet CA-40G with grinding visor 704100

5**NEW GRINDING VISORS AVAILABLE**

You can choose from two different shade levels 4 and 5 or a bright yellow visor. The brand new toric visors offer excellent optical quality (EN 166 class 1) and enhanced robustness - protection against high-speed particles with HIGH energy guaranteed and against molten metal and hot solids.

Product description**Art.No.**

Spare grinding visor for CA-40, class 1, clear	704103
Spare grinding visor for CA-40, class 1, yellow	704104
Spare grinding visor for CA-40, class 1, shade 4	704105
Spare grinding visor for CA-40, class 1, shade 5	704106

CleanAIR®

UniMask®



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835



reddot winner 2020
best of the best

LIGHT UNIVERSAL FACESHIELD PROVIDING THE HIGHEST COMFORT AND SAFETY

The highest level of breathing protection with enhanced inner airflow regulation and a visor with excellent optical and mechanical features make this universal light face shield a true leader of its class. UniMask® is light (just 380 g) and offers excellent user's comfort – the inner airflow regulation allows the user to set direction and intensity of the air to be delivered to the forehead or to the front of the mouth. The users can opt for a soft textile or a neoprene face seal according to their preferences. The visor provides clear and undisturbed view of the highest quality (class 1 according to EN 166), high mechanical resistance and the anti-fog coating. UniMask® is easy to use and maintain. All spare parts are quickly and easily removable and enable fast and simple maintenance.

F FEATURES AND BENEFITS

- The highest class of breathing protection TH3
- Enhanced inner airflow regulation
- Light weight – only 380 g
- Excellent optical quality EN 166 class 1
- High mechanical resistance of the visor
- Anti-fog / anti-scratch coating
- Safety helmet compatible
- Neoprene or textile face seal option
- Easy to use and adjust
- Fast and simple maintenance

A AREAS OF APPLICATION

UniMask® is suitable for many kinds of grinding and other surface finishing operations and by heavy duty maintenance. It is convenient for use in the building industry, automotive industry, shipbuilding etc.

Convenient for construction applications including protection against respirable crystalline silica dust.

T TECHNICAL DATA

Parameters	Specification
Weight	380 g
Material	UniMask® frame – Polyamide Faceseal – Neoprene or 3D polyamide knit Visor TR1 – Polycarbonate or amorphous polyamide Visor CR1 – Cellulose propionate + ABS or polycarbonate + ABS
Hose connection	QuickLOCK™
Certification	EN 166 1 FT B 9 K N (visor TR1, polycarbonate) EN 12941 TH3 (NPF 500) EN 14594 3B (NPF 200) AS/NZS 1716:2012

P PRODUCT VARIANTS

Product description	Art.No.
Protective face shield UniMask®, grey	720300.01
Protective face shield UniMask®, neoprene	720300.08
Ready 2 Work set – CA AerGO® & UniMask®	300300.01
Ready 2 Work set – CA Chemical 2F & UniMask®	510348.08

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

1

MULTIPURPOSE PROTECTIVE FACESHIELD



One system, many possibilities



2

INNER AIRFLOW REGULATION



Individual control of direction and intensity of the air inside the mask for increased user comfort

3

QUICKLY EXCHANGEABLE FACE SEAL AND VISOR



In case the visor has to be replaced or separately cleaned, it can be easily removed and attached back to the hood using two simple locking knobs.

The face seal ensures secure and comfortable fit for the wearer. Thanks to a fast click-in system the face seal can be easily and quickly removed and attached back. The face seals can be washed in a washing machine and even dried in the dryer.

4

THERE IS NO ONE PERFECT VISOR FOR ALL YOUR TASKS

Now you can chose from multiple visor options for optimal performance



TORIC VISORS – TR1

Outstanding toric polycarbonate visors offer the highest optical quality and unlimited clear view. Advanced anti-scratch coating increases the mechanical durability and extends the life time of the visors significantly compared to conventional visors. Provide protection against high-speed particles with medium energy at extreme temperatures and at the same time against molten metals and hot solids.



Product description	Art.No.
Spare protective visor TR1, clear, polycarbonate	729000
Spare protective visor TR1, yellow, polycarbonate	729001
Spare protective visor TR1, shade 3, polycarbonate	729003
Spare protective visor TR1, shade 5, polycarbonate	729005

If you like superb clarity of vison but need increased chemical resistance, you can pick our new amorphous polyamide visor (aPA).*

It can be easily cleaned by most of common solvents. **

Product description	Art.No.
Spare protective visor TR1, clear, aPA	729090

* Not suitable for use in ATEX zone.

** Do not clean with acetone or alcohol based solvents.

CYLINDRICAL VISORS – CR1

Our new cylindrical visors are avialbe in two material options, polycarbonate or cellulose propionate and are both compatible with peel-off protective films.

Both visors offer class 1 optical quality and ensure a wide field of vision. Polycarbonate visor provides protection against high-speed particles with low energy at extreme temperatures (FT). The visor is suitable for grinding, drilling, sawing etc. Cellulose Propionate visor features very high chemical resistance and meeting requirements for mechanical strenght (S) according to EN 166. The visor is suitable especially for painting.



Product description	Art.No.
Spare protective visor CR1, clear, Cellulose Propionate, cylindrical	729100
Spare protective visor CR1, clear, Polycarbonate, cylindrical	729101
Protection film for CR1 visor, pack of 10 pcs	729120/10

5

PROTECTIVE HOODS UNIMASK®



Extend your protection by simply clicking the protective hood over your UniMask®. Made from lightweight microporous polypropylene or washable antistatic fabric. Available in two lengths.

Product description	Art.No.
Protective hood UniMask®, short	720360
Protective hood UniMask®, long	720361
Protective hood UniMask®, long, washable	720362

6

SAFETY HELMET COMPATIBLE

UniMask® can be used with a wide range of standard safety industrial helmets to provide a handy solution of head protection combined with protection of the face and breathing.



7

FACE SEAL MATERIAL AND COLOUR OPTIONS

UniMask® is available with two types of face seal:

- comfortable 3D textile
- easy to maintain neoprene.



Product description	Art.No.
Face seal UniMask®, grey	720350.01
Face seal UniMask®, blue	720350.02
Face seal UniMask®, orange	720350.03
Face seal UniMask®, red	720350.04
Face seal UniMask®, neoprene	720350.08



CleanAIR®

Omnira air



Multipurpose protective face shield with in-built air distribution system and wide clear visor provides protection of eyes, face and respiratory. Toric polycarbonate visor offers the highest optical quality and unlimited clear view. Advanced anti-scratch coating increases the mechanical durability and extends the life time of the visors significantly compared to conventional visors. Compatible with a wide range of alternative visors including cylindrical with protection films.

F FEATURES AND BENEFITS

- The highest respiratory protection and more comfort thanks to an advanced built-in air distribution system.
- Outer control of the direction of the air in the helmet.
- Clear visor of the highest optical quality can be easily changed for available alternative visors (yellow; shade 3,5; cylindrical with protection films).
- Fast and easy replacement of all spare parts.
- Newly designed head suspension allows multiple individual settings.

A AREAS OF APPLICATION

Suitable for grinding and surface finishing operations in heavy industrial environments. In combination with DIN5 visor it is suitable for all gas and plasma cutting/welding operations.

T TECHNICAL DATA

Parameters	Specification
Weight	717 g
Materials	Shell – Polyamide Headgear – Polyamide Visor TR1 – Polycarbonate or amorphous polyamide Visor CR1 – Cellulose propionate + ABS or polycarbonate + ABS
Hose connection	QuickLOCK™
Certification	EN 166 1 FT B 9 K N (visor TR1, polycarbonate) EN 12941 TH3 (NPF 500) EN 14594 3B (NPF 200)

S PRODUCT VARIANTS

Product description	Art.No.
Protective faceshield Omnira air	703100
Ready 2 Work – CleanAIR® AerGO® & Omnira air	303100
Ready 2 Work – CleanAIR® Basic & Omnira air	813100

1 ADJUSTABLE AIR FLOW

For more individual comfort you can regulate the airflow

in two zones

Zone 1 – Control knob accessible from outside the helmet controls the direction of the air coming from the lower part of the airduct.

Zone 2 – The two other outputs are located in the upper part of the helmet. The intensity of the airstream can be regulated by the two sliders inside the helmet.



2 VariGEAR – see page 9

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR[®]

CA-3



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

Spacy shield with an unlimited view. This popular light protective shield with a wide acetate visor provides respiratory protection and face protection against splashing chemicals. The visor offers a broad and clear field of vision, high chemical resistance and protection against liquid spraying. Changing the visor is easy and does not require any special skills. The wearers appreciate its spaciousness and comfort due to the soft sweatband and adjustable headgear. Attention! Acetate visor is not recommended for grinding operations!

F FEATURES AND BENEFITS

- Light and spacious face shield
- Broad field of vision
- High chemical resistance
- Easily exchangeable visor
- Comfortable adjustable headgear with soft headband

A AREAS OF APPLICATION

CA-3 finds application in many sectors like environments with high chemical resistance requirements, chemical industry, laboratories and spray painting.

T TECHNICAL DATA

Parameters	Specification
Weight	520 g
Materials	shield body – polyamide headgear – polyamide visor – acetate/polycarbonate
Hose connection	QuickLOCK™
Certification	EN 12941 TH2 EN 14594 2A EN 166 F T AS/NZS 1716:2012

P PRODUCT VARIANTS

Product description	Art.No.
Grinding shield CA-3	710300

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR[®]

CA-1
CA-1+



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

This short light hood is an optimal solution for respiratory protection and face protection in dusty and light chemical environments where no further mechanical protection is required. In combination with PAPR or airline systems CleanAIR® it reaches the highest level of respiratory protection. It perfectly fits to various head types due to adjustable headgear and comfortable elastic rubber band. The distance of the visor can be set individually, as well as the perimeter of the headgear. The light nylon fabric and spacy cut makes it pleasant to wear even for long time work. The wide panoramic visor with antifog coating ensures undisturbed view and provides basic mechanical protection of the eyes. Available either in modification with an exhalation valve (version CA-1+) or even lighter version without exhalation valve but with breathable fabric.

F FEATURES AND BENEFITS

- Superior breathing protection
- Wide visor with antifog coating
- Individual headgear settings – adjustable perimeter and distance from the visor
- Pleasant to wear due to the spacy cut and light weight durable material
- Provides full protection of the eyes according to EN 166
- Practical reflective tab on the top

A AREAS OF APPLICATION

The hood is suitable for work in dusty and light chemical environments in pharmaceutical and chemical industries. Convenient for construction applications including protection against respirable crystalline silica dust.

T TECHNICAL DATA

Parameters	Specification
Weight	150 g / 180 g (CA-1+)
Material	hood – nylon visor – cellulose propionate
Colour	orange, blue
Hose connection	QuickLOCK™
Certification	EN 166 1 S F EN 12941 TH3 (NPF 500) EN 14594 3A (NPF 200) AS/NZS 1716:2012*

* CleanAir Protective Respiratory Hood – Orange (72 01 02)
CleanAir Protective Respiratory Hood – Blue (72 01 02B)

P PRODUCT VARIANTS

Product description	Art.No.
Short hood CA-1, orange	720102
Short hood CA-1, blue	720102B
Short hood CA-1+, orange	720112
Short hood CA-1+, blue	720112B

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR®

CA-2



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

This long light hood ensures respiratory protection and protection of the head, neck and shoulders in dusty environments where no further mechanical protection is required. In combination with PAPR or airline systems CleanAIR® it reaches the highest level of breathing protection. It perfectly fits to various head types due to adjustable headgear and comfortable elastic rubber band. The distance of the visor can be individually set, as well as the perimeter of the headgear. The light nylon fabric and spacy cut makes it pleasant to wear even for long time work. The wide panoramic visor with antifog coating ensures undisturbed view and provides basic mechanical protection of the eyes.

F FEATURES AND BENEFITS

- Superior respiratory protection
- Wide visor with antifog coating
- Individual headgear settings – adjustable perimeter and distance from the visor
- Pleasant to wear due to the spacy cut and light weight durable material
- Provides full protection of the eyes according to EN 166
- Practical reflective tab on the top
- Protection of the upper part of the body

T TECHNICAL DATA

Parameters	Specification
Weight	240 g
Material	hood – nylon visor – cellulose propionate
Colour	orange, blue
Hose connection	QuickLOCK™
Certification	EN 166 1 S F EN 12941 TH3 (NPF 500) EN 14594 3A (NPF 200) AS/NZS 1716:2012

A AREAS OF APPLICATION

The hood can be used in dusty or light chemical environments. It is suitable for spraying and painting operations as well as for use in laboratories and pharmaceutical industry.

P PRODUCT VARIANTS

Product description	Art.No.
Long hood CA-2, orange	720202
Long hood CA-2, blue	720202B

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR[®]

CA-1 Lite
CA-2 Lite



Maintenance-free lite hoods save you cleaning time and provide uncompromising respiratory protection. Available fully assembled and packed individually or in a cost-effective bulk package without accessories. Made from lightweight microporous polypropylene and offering a wide visor. Extra lightweight protective hood that benefits from a spacy cut and individually adjustable headgear.

F FEATURES AND BENEFITS

- Maintenance-free
- Wide visor for undisturbed view
- Individual headgear settings
- Spacy cut and light-weight
- Longer option CA-2 Lite covering neck available

A AREAS OF APPLICATION

- Healthcare and medical
- Pharmaceutical industry
- Food and beverage processing
- Manufacturing

T TECHNICAL DATA

Parameters	Specification
Weight	76 g (CA-1 Lite) / 107 g (CA-2 Lite)
Material	hood – microporous polypropylen visor - Polyethylene terephthalate (PET)
Colour	white
Hose connection	QuickLOCK™
Certification	EN12941 TH3 EN14594 3A

S PRODUCT VARIANTS

Product description	Art.No.
Short hood CA-1 Lite	720101
Long hood CA-2 Lite	720201

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F
Chemical 2F Ex
MedicAER



Chemical 3F

CleanAIR®

CA-10



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

This chemically resistant hood ensures respiratory protection and protection of the head, neck and shoulders in the most demanding chemical environments. In combination with PAPR or airline systems CleanAIR® it reaches the highest level of breathing protection. The hood has increased durability and can be decontaminated because of the light laminated fabric with taped seams. It is still very light and comfortable thanks to the inner antiseptic fabric which absorbs sweat and at the same time creates an additional sealing. It perfectly fits to various head types due to adjustable headgear and comfortable elastic rubber band. The distance of the visor can be individually set, as well as the perimeter of the headgear. The wide panoramic visor with antifog coating ensures undisturbed view and provides basic mechanical protection.

F FEATURES AND BENEFITS

- Superior respiratory protection
- Durable and decontaminable
- Inner antiseptic fabric that absorbs sweat and provides extra sealing
- Wide visor with antifog coating
- Individual headgear settings – adjustable perimeter and distance from the visor
- Pleasant to wear due to the spacy cut and light weight durable material
- Provides full protection of the eyes according to EN 166
- Practical reflective tab on the top

A AREAS OF APPLICATION

The hood can be used in all environments demanding high durability and chemical resistance. It is suitable for spraying and painting operations as well as for use in laboratories and pharmaceutical or chemical industries.

T TECHNICAL DATA

Parameters	Specification
Weight	220 g
Material	hood – polyethylene laminated (CA-10) – Tychem F (CA-10G) visor – cellulose propionate
Colour	yellow, grey
Hose connection	QuickLOCK™
Certification	EN 166 1 S F EN 12941 TH3 (NPF 500) EN 14594 3A (NPF 200) AS/NZS 1716:2012

P PRODUCT VARIANTS

Product description	Art.No.
Long protective hood CA-10, chemically resistant	721002
Long protective hood CA-10, chemically resistant, grey (Tychem F)	721002G

Recommended combinations



AerGO®



Chemical 2F



Chemical 2F Ex



MedicAER



Chemical 3F

CleanAIR®

GX02



The full face mask Shigematsu GX02 offers the highest level of respiratory protection in highly contaminated environments. The mask can be used with a wide range of standard canister filters and powered air purifying systems CleanAIR®. The mask body is made of a high quality silicone which ensures extensive chemical resistance and a long operation life. Its double seal flange maintains maximal seal while keeping the high level of comfort for the wearer supported by two exhalation valves reducing the breathing resistance and keeping the mask cool and dry. The six point head harness ensures secure and easy fit. The wide panoramic visor provides a broad visual field. The visor is equipped with antiscratch coating that guarantees high mechanical resistance which can be further increased by a protection foil. The visor is exchangeable. The mask is equipped with a speech diaphragm which facilitates communication.

F FEATURES AND BENEFITS

- Double seal flange for maximum protection and comfort
- High chemical resistance
- Exchangeable wide panoramic visor
- Anti scratch coating
- Six point head harness
- Two exhalation valves ensure a low breathing resistance
- Speech diaphragm
- Visor protection foil available

A AREAS OF APPLICATION

The mask is suitable for use in the environments with heavy chemical or biological contamination and meets the highest demands on respiratory protection. Besides chemical industry it can be used in pharmaceutical industry, laboratories, spraying facilities and in remediation operations.

T TECHNICAL DATA

Parameters	Specification
Weight	660 g (size S) 673 g (size M) 700 g (size L)
Available sizes	S, M, L
Material	material mask body – silicone rubber visor – polycarbonate head harness – natural rubber
Hose connection	RD40×1/7"
Certification	EN 136 CL3, EN 12942 TM3 (NPF2000)

P PRODUCT VARIANTS

Product description	Art.No.
Full face mask GX02, size S/M/L	710600*

* Add S/M/L/XL for the required size

Recommended combinations



Chemical 2F



MedicAER



Chemical 2F Asbest



Chemical 3F



Asbest

CleanAIR[®]

CF02

CF02 is a lightweight full face mask suitable to the demanding chemical conditions. The mask can be used with a wide range of standard canister filters and powered air purifying systems CleanAIR[®]. The mask has a superior spherical visor which is minimizing the distance between the eyes and the visor. This design feature eliminates distortion and provides clear and broad field of vision. The visor is equipped with anti-scratch coating that guarantees high mechanical resistance which can be further increased by a protection foil. The mask body is made of high quality Styrene TPE which guarantees high chemical resistance and a long operation life. The six point head harness ensures a secure and easy fit. Its non-sticky surface prevents hair from tangling.



F FEATURES AND BENEFITS

- Lightweight – 435 g
- High chemical resistance
- Superior spherical visor
- Anti-scratch coating
- Six point head harness
- Can be used with a wide range of canister filters
- Two exhalation valves – low breathing resistance
- Protection foil available

A AREAS OF APPLICATION

The mask is suitable for use in the environments with heavy chemical or biological contamination and meets the highest demands on respiratory protection. Besides chemical industry it can be used in pharmaceutical industry, laboratories, spraying facilities and in remediation operations.

T TECHNICAL DATA

Parameters	Specification
Weight	435 g (both sizes)
Available sizes	M, L
Material	mask body – thermoplastic elastomer TPE visor – polycarbonate head harness – polybutylene terephthalate TPU
Hose connection	RD40×1/7"
Certification	EN 136 CL3 EN 12942 TM3 (NPF 2000)

P PRODUCT VARIANTS

Product description	Art.No.
Full face mask CF02, size M/L	720600*

* Add M/L for the required size

Recommended combinations



Chemical 2F
MedicAER
Chemical 2F Asbest

Chemical 3F

Asbest

CA-5

THIS UNIVERSAL SINGLE FILTER HALF MASK with connection thread RD40×1/7" according to EN 148-1 is made from resistant thermoplastic elastomer and has a four point head harness which ensures comfortable and safe fitting. Its 40 mm connection thread can be used with certified canister filters with weights lower than 300 g or CleanAIR® powered air purifying respirators.



F FEATURES AND BENEFITS

- Low weight, high level of comfort
- Universal size
- Standard connection thread according to EN 148-1

A AREAS OF APPLICATION

- Light industrial environments
- Building industry
- Agriculture

T TECHNICAL DATA

Parameters	Specification
Weight	115 g
Available sizes	Size one size fits all
Material	TPE rubber
Connection	RD40×1/7"
Protection factor (NPF)	200
Certification	EN 140, EN 12942 TM2

P PRODUCT VARIANTS

Product description	Art.No.
Half mask CA-5 700500	700500

CleanAIR[®]

Panoramate Lite



Exceptional full body and respiratory protection for highly contaminated environments. Designed for use with powered air purifying respirator CleanAIR® Chemical 2F. Maximum durability, low weight, excellent field of vision and freedom of breathing guarantee exceptional comfort for the user.

F FEATURES AND BENEFITS

- Panoramic visor ensures a wide field of vision
- Transverse front entry opening with zipper. Double zipper storm flap.
- Elastic ribbing on waist and chest for a better mobility
- Fully taped seams
- Easy and secure connection of the coverall and PAPR thanks to special garment grommets

A AREAS OF APPLICATION

- First responders and emergency teams
- Viral and biological protection
- Remediation operations
- Nuclear industry
- Laboratories
- Pharmaceutical industry

T TECHNICAL DATA

Parameters	Specification	
	Panoramate 2550 Lite	Panoramate 3550 Lite
Standard	Class EN	Class EN
EN 12941+A1:2009	TH3	TH3
EN 1073-1:2019	Class 3	Class 3
EN 14605+A1-1:2009	Type 4	Type 3 and 4
EN ISO 13982-1:2004	Type 5	Type 5
EN 13034+A1:2009	Type 6	Type 6
EN 14126:2004	4-B, 5-B, 6-B	3-B, 4-B, 5-B, 6-B

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Panoramate 2550 lite, size S/M/L/XL	922550*
CleanAIR® Panoramate 3550 lite, size S/M/L/XL	923550*

* Add S/M/L/XL for the required size

Recommended combinations



AerGO®



Chemical 2F



Chemical 2F Ex



MedicAER



Chemical 3F

1 TWO PRODUCT VARIATIONS



Panoramate 3550 Lite

Coverall is made of antistatic CPM® material and provides the optimal protection against solid and liquids aerosols and liquid chemicals at pressure up to 2 bar, including radioactive and biological contamination.

Panoramate 2550 Lite

Coverall is made of antistatic CMF material and provides optimal protection against solid and liquid aerosols including radioactive and biological contamination.

2 PANORAMATE 2550/3550 LITE FEATURES



1 Unlimited vision

Panoramic visor ensures a wide field of vision.

2 Easy donning & Doffing

Transverse front entry opening with zipper. Double zipper storm flap.

3 Free movement

Elastic ribbing on waist and chest for a better mobility.

4 Airtight

Fully taped seams.

3 PANORAMATE 2550/3550 LITE FEATURES



- 1 Safety**
Emergency rip cord.
- 2 Exhalation valve**
Maintains optimal pressure in the suit for the full range of movement.
- 3 Tight connection**
Double elasticated cuffs.
- 4 Secure interface**
Easy and secure connection of the coverall and PAPR thanks to special garment grommets.
- 5 Tight connection**
Attached socks with boot flaps.



CleanAIR®

Ultimate



A revolutionary concept of an overpressured protective suit for highly contaminated environments. The system uniquely combines the highest protection level of the full face mask with all the benefits of the ventilated protective coverall. The CleanAIR® Ultimate coverall is designed solely for use in combination with the headtop CleanAIR® Ultimate GX and the powered air purifying respirator CleanAIR® Chemical 2F.

F FEATURES AND BENEFITS

- Easy to wear system
- Continuous respiratory protection even during doffing the suit
- The PAPR and filters are completely sheltered by the coverall
- High level of airflow for greater comfort
- Advantageous economical operation

H HOW IT WORKS?

The filtered air is driven through the air hose right into the face mask, while the surplus and the exhaled air goes into the coverall and creates overpressure. The PAPR including filters stays sheltered under the coverall. The connection between the suit and the filters is built up by special garment grommets. This design solution allows continuous respiratory protection even during the procedure of doffing the suit.

A AREAS OF APPLICATION

- Remediation operations, laboratories, pharmaceutical industry
- First responders and emergency teams
- Biological protection

T TECHNICAL DATA

Parameters	Specification
Weight	960 g (including standard battery)
Airflow	adjustable 160–235 lpm
Hose connection	RD40×1/7"
Battery	Li-Ion 14,4 V / 2,6 Ah (standard) Li-Ion 14,4 V / 5,2 Ah (Heavy Duty)
Operation* / charging time	< 10 / < 3 h standard battery < 20 / < 5,5 h Heavy Duty battery
Certification	EN 12941 TH3 (NPF500) EN 12942 TM3 (NPF2000) EN1073-1 class 5 (NPF 50.000) Ingress protection IP64/IP65/IP68

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Ultimate 2500 Protective Coverall - size S/M/L/XL, pack of 20 pcs	902500*/20
CleanAIR® Ultimate GX, size S/M/L, incl. clamp frame, grommets 2pcs	730601**

* Add S/M/L/XL for the required size
** Add S/M/L for the required size

Recommended combinations



AerGO®



Basic



Pressure Flow Master



Chemical 2F



Chemical 3F

CleanAIR[®]

AerGO[®]



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

The most ergonomic and versatile respirator but not only for welding industry. Compatible with both particle and combined filters and thus suitable for a wide range of industrial applications. The slim profile of the unit allows you to squeeze into spaces with limited access, while the smart Flow Control system maintains the air flow constant regardless filter clogging or low battery charge. Audio, visual and vibrating alarm indicate when battery charge or filter replacement is required. Adjustable airflow 160 or 210 lpm available during the whole shift no matter of the type of the filter thanks to the optional Heavy Duty battery.

F FEATURES AND BENEFITS

- Lightweight and ergonomic
- Slim profile of the unit – only 65 mm
- Versatile in use – filtration of particulates as well as gases/vapours
- Simple to operate with just one button
- Operation time up to 20 hours with Heavy Duty battery, or up to 10 hours with standard battery
- Short battery recharging time < 3 hours (standard battery)
- Adjustable airflow at four levels: 160 - 210 lpm
- Flow Control system maintains constant airflow regardless of the the level of filter clogging or battery charge
- Audio, visual and vibrating alarm indicating a low airflow or a low battery charge
- Unique filter design ensures the perfect seal by every filter change
- Built-in barometric sensor – automatic airflow compensation depending on altitude. Works from -500m up to 4500m.

A AREAS OF APPLICATION

Welding, grinding and surface finishing operations
Automotive and shipbuilding industry
Agriculture, food processing industry
Building and construction, wood processing

T TECHNICAL DATA

Parameters	Specification
Weight	980 g (including standard battery)
Airflow	160 – 210 lpm
Alarm	audio, visual and vibrating
Operation* / charging time	< 10 / < 3 h standard battery < 20 / < 5,5 h Heavy Duty battery
Battery	Li-Ion 14,4 V / 2,6 Ah (standard) Li-Ion 14,4 V / 5,2 Ah (Heavy Duty)
Hose connection	CA40x1/7"
Certification	EN 12941 TH3 AS/NZS 1716:2012**

* at 160 lpm with brand new P R SL filters and fully charged battery

** CleanAIR AerGO PAPR inc. belt, charger, battery, particle filter & flow indicator (300000PA)
CleanAIR AerGO PAPR inc. belt, charger, 16 hour battery, particle filter & flow indicator (300000PHA)

A AVAILABLE FILTER TYPE

- particles
- combined – Class 1

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® AerGO® incl. comfort belt, battery, charger, QL hose	300000P
CleanAIR® AerGO® incl. leather belt, battery, charger, QL hose	300000L

1 UNIVERSAL IN USE



CleanAIR® AerGO® is a multipurpose solution suitable for any industrial operations. The system can be flexibly adapted to the particular conditions just by exchanging light particle filters for combined filters that prevent from harmful gases and vapours as well. Optional Heavy Duty battery ensures enough power for the whole shift operation if used with combined filters.

2 COMBINED FILTERS AVAILABLE



Filters with active charcoal eliminate a wide range of gaseous contaminants including ozone*.

Filter AerGO® A1P R SL (pack of 2 pcs) 300357

Filter AerGO® A1B1E1P R SL – OZONE (pack of 2 pcs) 300364

* Protection against ozone up to the concentration of 20 mg/m³ (10 ppm)

3 HEAVY DUTY BATTERY OPTION AVAILABLE



The Heavy Duty battery more than doubles the operation time of the respirator. It's not necessary anymore to recharge the batteries during long shifts. When used with new P R SL filters and a fresh battery, CleanAIR® guarantees an operation time of more than 16 hours.

Standard battery, Li-Ion 14,4 V / 2,6 Ah 310013

Heavy Duty battery, Li-Ion 14,4 V / 5,2 Ah 310023

4

SLIM PROFILE



The slim profile of the unit (only 65 mm) allows you to squeeze into spaces with limited access.

6

HIGHLY DURABLE LEATHER BELT AVAILABLE



Leather belt combines high comfort of the back padding with high durability. Investing in a leather belt option can be wise when used in highly demanding environments.

Comfort padded belt CleanAIR® AerGO®	300092
Heavy Duty Leather belt CleanAIR® AerGO®	320092

5

CHARGER WITH A MULTI-PLUG



7

SPARK ARRESTOR AND PRE-FILTER AVAILABLE



The spark arrestor prevents the filter from damage by hot sparks and spatters while the pre-filter traps the coarse particles and thus prolongs the lifetime of the main filter. Start using spark arrestors and keep your filter maintenance cost low.

CleanAIR®

Basic



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

Time-proven respiratory unit got a new look and incorporates the newest technology. All this and more at price you can afford! CleanAIR® Basic provides efficient protection against harmful particles such as dust, smoke, fumes and fibres. It is equipped with Li-Ion battery, electronic control of constant airflow and advanced system for warning the user. The airflow is individually adjustable (from 170 lpm up to 240 lpm) and can be easily set by just one button. All the relevant information is clearly visible on the newly designed LED control panel.

F FEATURES AND BENEFITS

- Lightweight and compact
- Exchangeable Li-Ion battery
- Adjustable airflow in five levels (170–240 lpm)
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Audiovisual alarm
- Indication of filter clogging and battery charge
- Newly designed LED control panel
- Simple one-button operation
- New click-lock system for easy attaching the filter cover
- Built-in barometric sensor – automatic airflow compensation depending on altitude. Works from -500m up to 4500m.

A AREAS OF APPLICATION

Welding, grinding and surface finishing operations
Automotive and shipbuilding industry
Agriculture, food processing industry
Building and construction, wood working

A AVAILABLE FILTER TYPE

The CleanAIR Basic is equipped with a highly efficient P3 particle filter that protects the user against solid and liquid aerosols. The pre-filter increases the lifetime of the main P3 filter. An odour filter is also available to reduce unpleasant odours.



Odour filter (pack of 10)
Art.No. 810020

Pre-filter (pack of 10)
Art.No. 810015

T TECHNICAL DATA

Parameters	Specification
Weight	880 g (including battery)
Airflow	adjustable 170–240 lpm
Alarm	audio, visual
Operation* / charging time	< 10 / < 5 h
Battery	Li-Ion 7,2 V / 5,2 Ah
Hose connection	CA40×1/7"
Certification	EN 12941 TH3 AS/NZS 1716:2012

* at 170 lpm with brand new P R SL filter and fully charged battery

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Basic incl. comfort belt, battery, charger, QL hose	810000P
CleanAIR® Basic incl. leather belt, battery, charger, QL hose	810000L

O OPTIONAL BACK HARNESS

Optional back harness available to increase back support and comfort.



Product description	Art.No.
Comfort Padded Harness	520044.1
Decontaminable Harness	510042

CleanAIR®

Chemical 2F



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

Compact, lightweight yet powerful... Meet the most versatile and durable respirator on the market. Despite its compact design and low weight, Chemical 2F is characterized by outstanding durability, chemical resistance and increased ingress protection. The thought-out design with a smooth surface allows easy decontamination by shower or even full immersion. The unique automatic closing system prevents unwanted contamination while the filters are being changed. The smart Flow Control system maintains the airflow on the constant level regardless filter clogging or low battery charge. Audiovisual alarm indicates when the battery charge and/or filter replacement is required. Adjustable airflow from 120 up to 235 lpm is available during the whole shift no matter of the type of the filter thanks to optional Heavy Duty battery.

F FEATURES AND BENEFITS

- Compact design and low weight
- Compatible with a hood, mask or ventilated protective suit
- High mechanical and chemical resistance
- Increased ingress protection allows decontamination by shower or even full immersion (IP64/IP65/IP68)
- Full colour display clearly shows all the relevant information - filter clogging, battery charge, airflow
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Operation time up to 16 hours with Heavy Duty battery, or up to 10 hours with standard battery
- Short battery recharging time < 3 hours (standard battery)
- Audiovisual alarm
- Multilingual user interface

A AREAS OF APPLICATION

- Heavy industrial environments including chemical and pharmaceutical industry
- Remediation operations, laboratories
- First responders and emergency teams
- Biological protection

T TECHNICAL DATA

Parameters	Specification
Weight	960 g (including standard battery)
Airflow	adjustable 120–235 lpm
Alarm	audio, visual
Operation* / charging time	< 10 / < 3 h standard battery < 20 / < 5,5 h Heavy Duty battery
Battery	Li-Ion 14,4 V / 2,6 Ah (standard battery) Li-Ion 14,4 V / 5,2 Ah (Heavy Duty battery)
Hose connection	CA40×1/7"
Certification	EN 12941 TH3, EN 12942 TM3 Ingress protection IP64/IP65/IP68 AS/NZS 1716:2012

* at 160 lpm with brand new P R SL filters and fully charged battery

A AVAILABLE FILTER TYPE

particles, combined – Class 1, combined – Class 2

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Chemical 2F incl. comfort belt, battery, charger	510000FCA
CleanAIR® Chemical 2F incl. decont. PVC belt, battery, charger	510000FDA

1

CONNECT YOUR CHEMICAL 2F WITH YOUR SMART DEVICE VIA CLEANAIR® LINK APP



All the settings for your CleanAIR® device in one place easily accessible through Bluetooth. This gives you a great tool for managing settings like headtops, filter type, filter timer and much more. User manual and declaration of conformity is also directly accessible from the app. Advanced User mode allows you to connect more than one device at the same time which gives you a perfect overview of your PAPR fleet in almost real time.

Product description

Art.No.

CleanAIR® Chemical 2F BlueTooth incl. comfort belt, battery, charger	510B00FCA
CleanAIR® Chemical 2F BlueTooth incl. decont. PVC belt, battery, charger	510B00FDA

2

BACK HARNESES FOR INCREASED BACK SUPPORT AND HIGHER COMFORT



Product description

Art.No.

Decontaminable belt PVC – 2F/3F	510051
Decontaminable harness PVC – 2F	510052

3

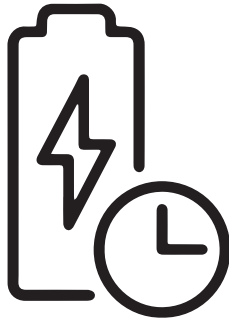
AUTOMATIC CLOSING SYSTEM



The unique automatic closing system prevents unwanted contamination while the filters are being changed.

4 DIFFERENT POWER SUPPLY OPTIONS

You can choose between the standard battery, heavy-duty battery or non-rechargeable primary battery. Besides standard charger there are available power adaptors either for car power socket or for the main socket as an alternative power source.



Product description	Art.No.
Power adaptor 230 V / 24 V for the main socket	510015.1
Power adaptor 12 V -24 V - car power socket	510015.2

The high capacity battery doubles the operation time. No more necessary changing or charging the battery during a long shift even when using gas and combined filters

Product description	Art.No.
Battery Li-Ion Heavy Duty, Li-Ion 14,4V / 5,2Ah	510020

Non rechargeable one-time use battery with guaranteed 10 years storage time. The battery is ready anytime you need without the necessity of charging. The perfect choice for emergency teams, first responders, or those who need to use the respiratory system only in case of an emergency

Product description	Art.No.
Primary Lithium battery	510011

5 MAXIMIZED WATER INGRESS PROTECTION IP6



The thought-out design with a smooth surface allows easy decontamination by the shower or even full immersion.

IP64¹ Shower decontamination – full protection from splash of liquids from any angle

IP65² Shower decontamination – full protection from water jets from any angle.

IP68³ Immersion disinfection – full protection from continuous submersion in water/disinfection solution. Disinfection of CleanAIR® Chemical 2F is feasible e.g. with sodium hypochlorite solution and peroxyacetic solution (Persteril).

¹ When the system is ON, fitted with CleanAIR® filters

² When the system is ON, fitted with CleanAIR® filters incorporating pre-filter holder and spark arresters

³ When the system is OFF, fitted with decontamination plugs

CleanAIR®

Chemical 2F Ex



The most versatile and durable respirator is newly available in ATEX version which can be used in potentially explosive atmospheres. Despite its compact design and low weight, Chemical 2F is characterized by outstanding durability, chemical resistance and increased ingress protection. The thought-out design with smooth surface allows easy decontamination by shower or even full immersion. The unique automatic closing system prevents unwanted contamination while the filters are being changed. The smart Flow Control system maintains the airflow constant regardless filter clogging or low battery charge. Audiovisual alarm indicate when the battery charge and/or filter replacement is required. Airflow is individually adjustable from 120 lpm up to 235 lpm.

F FEATURES AND BENEFITS

- Compact design and low weight
- Specially adapted for use in potentially explosive atmospheres – approved to Zone 2
- Compatible with a hood, mask or ventilated protective suit
- High mechanical and chemical resistance
- Decontamination by shower or even full immersion **(IP64/IP65/IP68)**
- Full colour display clearly shows all the relevant information - filter clogging, battery charge, airflow
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Short battery recharging time < 3 hours
- Audiovisual alarm
- Multilingual user interface

A AREAS OF APPLICATION

- Potentially explosive atmospheres – approved to Zone 2
- Heavy industrial environments including chemical and pharmaceutical industry
- Remediation operations, laboratories
- First responders and emergency teams
- Biological protection

T TECHNICAL DATA

Parameters	Specification
Weight	960 g
Airflow	adjustable 120–235 lpm
Alarm	audio, visual
Operation* / charging time	< 10 / < 3 h
Battery	Li-Ion 14,4 V / 2,6 Ah
Hose connection	CA40×1/7"
Certification	EN 12941 TH3, EN 12942 TM3 Ingress protection IP64/IP65/IP68
ATEX classification	II 3 G IIB T4 Gc II 3 D IIIC 135°C Dc

* at 160 lpm with brand new P R SL filters and fully charged battery

A AVAILABLE FILTER TYPE

particles, combined – Class 1, combined - Class 2

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Chemical 2F Ex - incl. PVC belt, Li-Ion battery, charger, light flexi hose QuickLOCK™, flow indicator	51E000FD

CleanAIR®

MedicAER®



Powered air purifying respirator specially designed for protection of healthcare workers, emergency teams or other professionals facing biological and viral contamination. The construction allows easy decontamination in a shower or even an immersion disinfection. The unique automatic closing system reduces the risk of unwanted contamination of the unit while the filters are being changed. Full colour display clearly shows all the relevant information needed. High-capacity Li-Ion battery as an option significantly extending operation time up to 16 hours. No more necessary to change or re-charge battery during long shifts including combination with gas and vapour filters.

F FEATURES AND BENEFITS

- Compact design, low weight
- Decontaminable by a shower
- Allows immersion disinfection with Sodium hypochloride or Persteril
- Unique automatic closing system
- High mechanical durability and chemical resistance
- Individually adjustable airflow 120–235 lpm
- Full colour TFT display

A AREAS OF APPLICATION

- Health care and emergency response
- Laboratories and pharmaceutical industry

A AVAILABLE FILTER TYPE

particles, combined – Class 1, combined – Class 2

T TECHNICAL DATA

Parameters	Specification
Weight	960 g [including battery]
Airflow	adjustable 120–235 lpm
Alarm	audio, visual
Operation* / charging time	< 10 / < 3 h
Battery	Li-Ion 14,4 V / 2,6 Ah
Hose connection	CA40×1/7"
Certification	EN 12941 TH3, EN 12942 TM3 Ingress protection IP64/IP65/IP68

* at 160 lpm with brand new P R SL filters and fully charged battery

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® MedicAER® incl. comfort belt, QL hose, charger, P3 filters in transport case	51M000FC
CleanAIR® MedicAER incl. decont PVC belt, QL hose, charger, P3 filters in transport case	51M000FD
CleanAIR® MedicAER® incl. comfort belt, QL hose, charger, P3 filters in transport case	51M100FDH.1

CleanAIR®

Chemical 2F Asbest



The high performance respiratory protection system for environments contaminated by asbestos fibres. The combination of the powered air respirator Chemical 2F and the high quality full face masks GX02/CF02 characterizes excellent durability and the highest level of respiratory protection. The smart Flow Control system ensures a constant air flow, regardless of whether the filter is clogged or the battery is running low. The audiovisual alarm indicates when the battery needs to be charged or the filter needs to be replaced. With the two options available for full-face masks, users can choose the perfect mask for comfort and a secure fit based on their individual needs.

F FEATURES AND BENEFITS

- Compact design and low weight
- High mechanical and chemical resistance
- Increased ingress protection allows decontamination by shower or even full immersion (**IP64/IP65/IP68**)
- Full colour display clearly shows all the relevant information - filter clogging, battery charge, airflow
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Operation time up to 16 hours with Heavy Duty battery, or up to 10 hours with standard battery
- Audiovisual alarm
- Multilingual user interface
- Back harness available for increased comfort

A AREAS OF APPLICATION

Remediation operations, building & construction.

A AVAILABLE FILTER TYPE

- particles
- combined - Class 1
- combined - Class 2

T TECHNICAL DATA

Parameters	Specification
Weight	960 g (including standard battery)
Airflow	adjustable 160–235 lpm
Alarm	audio, visual
Operation* / charging time	< 10 / < 3 h standard battery < 20 / < 5,5 h Heavy Duty battery
Battery	Li-Ion 14,4 V / 2,6 Ah (standard battery) Li-Ion 14,4 V / 5,2 Ah (Heavy Duty battery)
Hose connection	CA40×1/7"
Certification	EN 12941 TH3, EN 12942 TM3 Ingress protection IP64/IP65/ IP68

* at 160 lpm with brand new P R SL filters and fully charged battery

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Chemical 2F Asbest incl. decont. PVC belt, battery, charger	510000ASD

CleanAIR®

Chemical 3F



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

High level of performance, mechanical and chemical resistance, UV resistance and ingress protection IP64 guarantee the sufficient protection of the wearer even in heavy industrial environments, the chemical industry, laboratories and pharmaceutical industry. Airflow can be individually set according to the user's needs. The outstanding performance makes the system very suitable especially for highly contaminated workplaces.

F FEATURES AND BENEFITS

- High mechanical and chemical resistance
- Airflow adjustable from 120 up to 235 lpm
- Decontaminable by shower – IP64
- Full colour display clearly shows all the relevant information - filter clogging, battery charge, airflow
- Flow Control system maintains constant airflow regardless of the level of filter clogging or battery charge
- Li-Ion battery and quick battery charger (charging time < 3 h)
- Audiovisual alarm
- Multilingual user interface
- Back harness available for increased comfort

A AREAS OF APPLICATION

- Heavy industrial environments including chemical and pharmaceutical industry
- Remediation operations, laboratories
- First responders and emergency teams

A AVAILABLE FILTER TYPE

- particles
- combined - Class 1
- combined - Class 2

T TECHNICAL DATA

Parameters	Specification
Weight	1100 g (including standard battery)
Airflow	adjustable 120–235 lpm
Alarm	audio, visual
Operation* / charging time	< 10 / < 3 h
Battery	Li-Ion 14,4 V / 2,6 Ah
Hose connection	CA40×1/7"
Certification	EN 12941 TH3
	EN 12942 TM3
	Ingress protection IP64 AS/NZS 1716:2012

* at 160 lpm with brand new P R SL filters and fully charged battery

P PRODUCT VARIANTS

Product description	Art. No.
CleanAIR® Chemical 3F incl. comfort belt, battery, charger	520000FCA
CleanAIR® Chemical 3F incl. decont. PVC belt, battery, charger	520000FDA

CleanAIR[®]

Asbest



The powered air respirator CleanAIR® Asbest and the high quality full face masks GX02/CF02 offer an exceptionally light and compact combination with excellent durability and the highest level of respiratory protection. The complete combination of CleanAIR® Asbest with a full face mask Shigematsu and a highly effective filter against particles guarantees high nominal protection factor [NPF 2000], sufficient airflow and simple decontamination. The system is designed for active respiratory and face protection during remediation of asbestos-containing materials and can be mounted directly on the mask or connected to the mask with a hose and worn on a belt. Special emphasis has been placed on the low weight and simple operation.

F FEATURES AND BENEFITS

- Compact design and light weight – 385 g
- Simple operation
- Mountable directly to the mask or on the belt
- Decontaminable by a shower
- Operation time up to 5 h
- High nominal protection factor NPF 2000
- Low battery indication

A AREAS OF APPLICATION

The system is suitable for use in the environments with particulate contamination, especially for asbestos remediation operations or in the building industry.

A AVAILABLE FILTER TYPE

- particles

T TECHNICAL DATA

Parameters	Specification
Weight	385 g (including battery and PRSL filter)
Airflow	160 lpm
Operation* / charging time	< 5 / < 3 h
Battery	Li-Ion 7,2 V / 2,6 Ah
Hose connection	CA40×1/7"
Certification	EN 12942 TM3

* with brand new P R SL filter and fully charged battery

P PRODUCT VARIANTS

Product description	Art. No.
CleanAIR® Asbest incl. belt, battery, filter, hose, charger	590002
CleanAIR® Asbest incl. belt, two batteries, filter, hose, charger	590002T

CleanAIR®

D-Bug



CleanAIR® D-BUG offers its users a choice of particle or combined filters on a lightweight powered air purifying respirator mountable directly on the full face mask. This solution offers respiratory and face protection against harmful particles, gases or vapours. The system offers two options of wearing: for maximal freedom of movement it can be attached directly to the full face mask or for minimal weight carried on the head it can be placed on the belt using a hose and a special adaptor supplied with the respirator. The complete system with a full face mask Shigematsu and a highly effective filter guarantees a high nominal protection factor (NPF 2000) and a sufficient airflow. The respirator is equipped with a new brushless motor that maintains its speed on a constant level and with a low battery indication. Special emphasis was placed on the low weight, simple operation and a long operation life of the system. The respirator can be decontaminated by a shower.

F FEATURES AND BENEFITS

- Can be used with particle or combined filters
- Compact design and light weight
- Simple operation
- Low battery indication
- Mountable directly to the mask or on the belt
- Decontaminable by a shower
- Operation time can exceed 7 h depending on airflow and filters used
- Compatible with full face masks Shigematsu GX02 and CF02
- High nominal protection factor NPF 2000

A AREAS OF APPLICATION

The system is suitable for use in the environments with particulate or chemical contamination such as in the building industry, agriculture, public maintenance services, for remediation operations, pest control.

A AVAILABLE FILTER TYPE

- particles
- combined

T TECHNICAL DATA

Parameters	Specification
Weight	210 g (excl. filter and battery)
Airflow	200 l/min with P R SL particle filter 100 l/min with A1B1E1P R SL combined filter
Operation* / charging time	460 min with P R SL filter 510 min with combined A1B1E1P R SL filter
Battery	Li-Ion 7,2 V / 2,6 Ah
Hose connection	CA40×1/7"
Protection factor	(NPF) 2 000
Certification	EN 12942 TM3

* with brand new P R SL filter and fully charged battery

P PRODUCT VARIANTS

Product description	Art. No.
CleanAIR D-Bug incl. battery, filter ABEP 2x , hose, charger and rubber belt	490002

CleanAIR®

Pressure Pressure Flow Master Conditioner



Systems CleanAIR® Pressure/Pressure Flow Master are constant flow supplied air respirators suitable for a long term work in the heaviest industrial environments. The regulator on the belt unit can adjust the amount of air coming from the central compressed air distribution system or a compressor and keeps it at a constant level without regard to the changes of inlet pressure.

F FEATURES AND BENEFITS

- Low weight
- Economical operation
- High levels of airflow
- Low pressure warning system
- Option of filtration of supplied air
- Compatible with a wide range of CleanAIR® headtops



A AREAS OF APPLICATION

Manufacturing and automotive industry – welding, grinding, surface finishing operations, suitable to the heavy industrial environments.



T TECHNICAL DATA

Parameters	Specification		
	Pressure Flow Master	Pressure	Pressure Conditioner
Airflow	160–250 lpm	160–400 lpm	–
Inlet pressure	400–1 000 kPa	300–1 000 kPa	300–1 000 kPa
Weight	280 g	250 g	6,80 kg
Inlet connection	Inlet connection compatible with RECTUS 25, 26 and CEJN 320		
Outlet connection	CA40×1/7"	CA40×1/7"	2× outlet compatible with RECTUS 25, 26 and CEJN 320
Certification	EN 14594, class 3B AS/NZS 1716:2012	EN 14594, class 2A	–



BSI Certified Product
AS / NZS 1716:2012
Lic. BMP 747835

P PRODUCT VARIANTS

Product description	Art.No.
CleanAIR® Pressure belt and flow indicator	630000
CleanAIR® Flow Master comfort belt and flow indicator	670000
CleanAIR® Pressure Conditioner with stand	610050

CleanAIR[®]

Pressure For Mask



The CleanAIR® Pressure for Mask is comfortable and versatile, highly effective constant flow airline system for use with the Shigematsu GX02 mask. The unique filter back up feature allows the user to keep breathing normally through the passive particle or combined filter in case of sudden failure of the air supply and provides breathing protection in case of emergency evacuation. The system allows the user to adjust the airflow from 170 lpm up to 250 lpm and keeps it at constant level regardless to changes of inlet pressure. In addition to the airflow regulation (170 - 250 lpm) the system is equipped with a warning whistle. It warns the user if the inlet pressure drops below the bottom limit of operating pressure (350 kPa). CleanAIR® Pressure for Mask was especially designed for long wearing periods or for workplaces where the contaminants are highly toxic and have poor warning properties. It is decontaminable by shower and it provides the maximum nominal protection factor of 2000 in accordance with EN 14594:05 (class 4B).

F FEATURES AND BENEFITS

- Lightweight and comfortable
- High levels of airflow 160–250 lpm
- Nominal protection factor 2000
- Backup filter feature
- Compatible with particle and combined filters
- Decontaminable by shower
- Low pressure warning signal

A AREAS OF APPLICATION

Long time work in industrial environments with highly toxic contaminants, constructions and food processing industry, closed tanks, tunnels.

A AVAILABLE FILTER TYPE

- particles
- combined - Class 2

T TECHNICAL DATA

Parameters	Specification
Weight	280 g (without air hose and filter)
Airflow	170–250 lpm
Filter type	500248 – Filter P3 with two threads RD40×1/7" 500268 – Filter A2B2E2K2P3 with two threads RD40×1/7"
Inlet pressure	400–1 000 kPa
Inlet connection	compatible with RECTUS 25,26 and CEJN 320
Outlet connection	MINI DIN 5 – compatible with RECTUS 21 serie
Certification	EN 14594, class 4B (NPF 2 000)

P PRODUCT VARIANTS

Product description	Art.No.
Pressure for Mask incl. P3 filter and comfort belt	650000PC
Pressure for Mask incl. P3 filter and decontaminable belt	650000PD

CleanAIR®

Filters



The complete range of CleanAIR® canister filters offers a wide selection of filters for most industrial applications, pharmaceutical industry, laboratories and agriculture. The filters are supplied with a standard connection thread RD40×1/7" according to EN 148-1. Particle filters catch a wide range of solid particles in the form of liquid and solid aerosols such as dust, smoke, fibres, bacteria, viruses and radioactive particles. Gas filters provide protection against contaminants in the form of gases and vapours. Combined filters provide protection against a combination of contaminants in the form of gases, vapours and solid particles.



Product code 500167/3
Type A2P3



Product code 500357/3
Type A1P3



Product code 500167/3
Type A2B2P3



Product code 500166/3
Type A2B2E2K2HgP3



Product code 500364/3
Type A1B1E1P3



Product code 500164/3
Type A2B2E2P3



Product code 500168/3
Type A2B2E2K2P3



Product code 500048/6
Type P3



Product code 500268/3
Type A2B2E2K2P-ZERO



Product code 500249/5
Type P - ZERO




Product code 500165X/3
Type NBC - A2B2E2K2P3



Product code 500170
Type A3AXP3

For the full specification and the full range of filters check our "Filter Guide" or contact your CleanAIR® distributor.

CleanAIR[®]



Ready 2 Weld sets
Ready 2 Work sets

1**READY 2 WORK SET – OMNIRA AIR + AERGO®**

Face shield Omnira air & CleanAIR® AerGO® including particle filters, comfort belt, battery, charger, QL hose and welding gloves. Packed in duffel bag.

**Product description****Art. No.**

Ready 2 Work set
Omnira air + AerGO®

303100

2**READY 2 WORK SET – OMNIRA AIR + BASIC**

Face shield Omnira air & CleanAIR® Basic including particle filter, comfort belt, battery, charger, QL hose and welding gloves. Packed in duffel bag.

**Product description****Art. No.**

Ready 2 Work set
Omnira air + Basic

813100

3**READY 2 WELD SET – OMNIRA COMBI AIR + AERGO®**

Welding helmet Omnira COMBI air 8 CleanAIR® AerGO® including particle filters, comfort belt, battery, charger, QL hose and welding gloves. Packed in duffel bag.



Product description	Art. No.
Ready 2 Weld set	303201
Omnira COMBI air + Basic	

4**READY 2 WELD SET – OMNIRA COMBI AIR + BASIC**

Welding helmet Omnira COMBI air 8 CleanAIR® Basic including particle filter, comfort belt, battery, charger, QL hose and welding gloves. Packed in duffel bag.



Product description	Art. No.
Ready 2 Weld set	813201
Omnira air + Basic	

5**READY 2 WELD SET – VERUS AIR + AERGO®**

Welding helmet Verus air & CleanAIR® AerGO® including particle filters, comfort belt, battery, charger, QL hose and welding gloves. Packed in duffel bag.

Product description	Art. No.
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Ready 2 Weld set Omnira COMBI air + Basic	303001
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6**READY 2 WELD SET – VERUS AIR + BASIC**

Welding helmet Verus air & CleanAIR® Basic including particle filter, comfort belt, battery, charger, QL hose and welding gloves. Packed in duffel bag.

Product description	Art. No.
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Ready 2 Weld set Omnira air + Basic	813001
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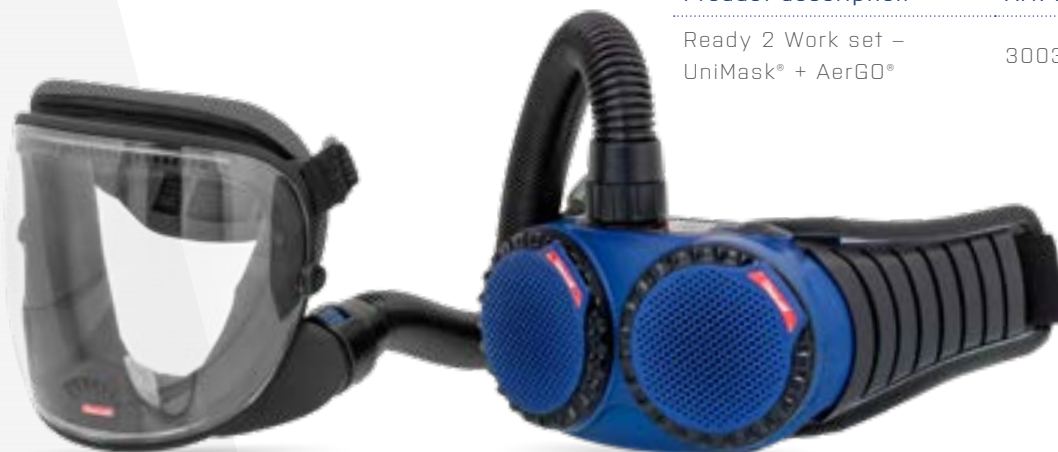
7**READY 2 WORK SET – UNIMASK® + AERGO®**

Face shield UniMask® with grey textile face seal & CleanAIR® AerGO® including particle filters, comfort belt, battery, charger, QL hose and KlarPilot Comfort. Packed in transport case.

Product description**Art. No.**

Ready 2 Work set –
UniMask® + AerGO®

300300.01

**8****READY 2 WORK SET – UNIMASK® + CHEMICAL 2F**

Face shield UniMask® with neoprene face seal & CleanAIR® Chemical 2F including particle filters, comfort belt, battery, charger, QL hose and KlarPilot Comfort. Packed in transport case.

Product description**Art. No.**

Ready 2 Work set –
UniMask® + Basic

510348.08





Accessories

1 COMFORT PADDED BELTS & HARNESSES



Product description	Art. No.
Comfort belt Super (Basic, 2F)	710092
Comfort belt Standard (Basic/Pressure)	710093
Comfort belt CA AerGO®	300092
Comfort belt 3F	520043.1
Leather comfort belt Super (Basic, 2F)	720092
Leather comfort belt CA Basic	720093
Leather belt CA AerGO®	320092
Comfort harness for CA Chemical 2F/3F	520044.1
Belt extender, extend your belt by up to 30 cm	710099*

*Compatible with all belts except of leather ones

2 DECONTAMINABLE BELTS & HARNESSES



Product description	Art. No.
Decontaminable belt PVC – 2F/3F	510051
Decontaminable harness PVC – 2F	510052
Decontaminable harness PVC – 3F	520052

3 AIR HOSES



Light flexible hoses with QuickLOCK™ locking system for safe and fast connection of the full range of CleanAIR® headtops except of masks.

Product description	Art. No.
Light flexi hose (QuickLOCK™ – CA40x1/7")	710060
Light flexi hose (QuickLOCK™ – CA40x1/7" extended)	710060L
Rubber hose (QuickLOCK™ – CA40x1/7")	710086
Rubber hose (QuickLOCK™ – CA40x1/7" extended)	710086L

Mask only compatible hoses:

Product description	Art. No.
Light flexi hose CA40x1/7" – CA40x1/7"	700060
Rubber hose CA40x1/7" – CA40x1/7"	700086CA
Rubber hose CA40x1/7" – CA40x1/7" extended	700086L
Rubber hose CA40x1/7" – CA40x1/7" 90°	700086R
Rubber hose CA40x1/7" – CA40x1/7" 90° extended	700086RL



4 DECONTAMINATION SET FOR CHEMICAL 2F/3F

Set of plugs for easy and thorough decontamination of respiratory units Chemical 2F/3F – ensuring ingress protection IP68.



Product description	Art. No.
Decontamination set 2F – 2× plug with external thread, 1× cap with internal thread	510046
Decontamination set 3F –w 3× plug with external thread, 1× cap with internal thread	520046

5 PRESSURE HOSES



Product description	Art. No.
Standard pressure hose for CA Pressure – 10 m	610030
Standard pressure hose for CA Pressure – 25 m	610038
Standard pressure hose for CA Pressure – 50 m	610039
Antistatic pressure hose for CA Pressure – 10 m	610031
Antistatic pressure hose for CA Pressure – 25 m	610033
Antistatic pressure hose for CA Pressure – 50 m	610034
Spiral pressure hose for CA Pressure – 10 m	610046

8 CARE ABOUT VISORS



CleanAIR® Klar-pilot – for care of all CleanAIR® visors. Is safe for use with all optical glasses, masks, visors and optics made of glass and plastic – even those with sensitive or coated surfaces. Cleaning, antifog and antistatic effect.

Product description	Art. No.
Klar-pilot Fluid Super Plus (100 ml)	011100
CleanAIR® Klar-pilot Comfort (17 ml)	011017

6 DECONTAMINATION FILTER COVER



Protects the filter against water during decontamination process

Product description	Art. No.
Decontamination filter cover	580013

9 SAFE TRANSPORT AND STORAGE



CleanAIR® duffel bag – High quality materials and reinforced bottom for greater durability. Adjustable, padded, shoulder strap. Roomy main zippered compartment and large front pocket. Lightweight and versatile, dimensions: 250×250×520 mm.

Product description	Art. No.
Transport bag CleanAIR®	700007

7 HEAD AND NECK PROTECTION

Made from flame retardant fabric protect the wearer from hot sparks and welding spatter. Universal pattern for most of welding hoods and headbands.



Product description	Art. No.
Head cover	164000
Protective neck cover	169000

Parts & accessories

Omnira COMBI air

405161	Auto-darkening welding filter AerTEC S60F, 3/5-8/9-14, for FlipUp
703071	Protective head cover, flame retardant (Verus, Omnira)
703072	Protective neck cover, flame retardant (Verus, Omnira)
703073	Protective head&neck cover, flame retardant (Verus, Omnira)
703100	Protective faceshield Omnira air, incl. headgear and air distribution
703201	Welding helmet CleanAIR® Omnira COMBI air, incl ADF S60F 5-8/9-14 incl air distribution
703292	Spare flip-up welding shield CleanAIR® Omnira COMBI, compatible with ADF S60F
703293	Spare flip-up welding shield CleanAIR® Omnira COMBI, compatible with passive filter
703297	Helmet shell CleanAIR® Omnira COMBI air, w/o headgear, w/o ADF, incl mounting set
718399	Retaining spring 110x90 mm
729000	Spare protective visor TR1, clear
729001	Spare protective visor TR1, yellow
729003	Spare protective visor TR1, shade 3
729005	Spare protective visor TR1, shade 5
729090	Spare protective visor TR1, clear, aPA, chemicaly resistant
729100	Spare protective visor CR1, clear Cellulose Propionate, cylindrical
729101	Spare protective visor CR1, clear Polycarbonate, cylindrical
*100/65	Protection plate inner (VERUS, Omnira COMBI, SUMMIT), pck of 10
135160	Battery 3V for AerTEC S60, S60+, S60F ADF
703060	Face seal CleanAIR® Verus air, Omnira air
704080	Protection plate outer (VERUS, Omnira COMBI, CA-40), pck of 10
720010	Headgear VariGEAR Comfort incl sweatband and paddings, w/o mounting set
720010.92	VariGear mounting set (Omnira, SUMMIT)
720014	Rear padding VariGEAR
720015	VariGEAR sweatband (pck of 2)
720016	Upper padding VariGEAR
720017	VariGEAR comfort set (set of sweatbands and paddings)
720018	Hose holder VariGEAR
720019	Helmet holder

Omnira air

703100	Protective faceshield Omnira air, incl. headgear and air distribution
729000	Spare protective visor TR1, clear
729001	Spare protective visor TR1, yellow
729003	Spare protective visor TR1, shade 3
729005	Spare protective visor TR1, shade 5
729090	Spare protective visor TR1, clear, aPA, chemicaly resistant
729100	Spare protective visor CR1, clear Cellulose Propionate, cylindrical
729101	Spare protective visor CR1, clear Polycarbonate, cylindrical
703060	Face seal CleanAIR® Verus air, Omnira air
720010	Headgear VariGEAR Comfort incl sweatband and paddings, w/o mounting set

720010.92	VariGear mounting set (Omnira, SUMMIT)
720014	Rear padding VariGEAR
720015	VariGEAR sweatband (pck of 2)
720016	Upper padding VariGEAR
720017	VariGEAR comfort set (set of sweatbands and paddings)
720018	Hose holder VariGEAR
720019	Helmet holder VariGEAR
729120/10	Protection film for visors CR1 (UniMask, Omnira), pck of 10 pcs

Verus air

702074	Magnifying lens 1D, 107/51 mm
702075	Magnifying lens 1,5D, 107/51 mm
702076	Magnifying lens 2D, 107/51 mm
702077	Magnifying lens 2,5D, 107/51 mm
703001	Welding helmet CleanAIR® Verus air incl. ADF 5-8/9-14 and headgear
703071	Protective head cover, flame retardant (Verus, Omnira)
703072	Protective neck cover, flame retardant (Verus, Omnira)
703073	Protective head&neck cover, flame retardant (Verus, Omnira)
703078	Magnifying lens holder CA Verus
718399	Retaining spring 110x90 mm
*100/65	Protection plate inner (Verus, Omnira COMBI, SUMMIT), pck of 10
135160	Battery 3V for AerTEC S60 ADF
405162	Auto-darkening welding filter AerTEC S60+, 3/5-8/9-14
703060	Face seal CleanAIR® Verus air, Omnira air
703097	Helmet shell CleanAIR® Verus air w/o headgear, w/o ADF, incl mounting set
704080	Protection plate outer (Verus, Omnira COMBI, CA-40), pck of 10
720010	Headgear VariGEAR Comfort incl sweatband and paddings, w/o mounting set
720010.90	VariGear mounting set (Verus)
720014	Rear padding VariGEAR
720015	VariGEAR sweatband (pck of 2)
720016	Upper padding VariGEAR
720017	VariGEAR comfort set (set of sweatbands and paddings)
720018	Hose holder VariGEAR
720019	Helmet holder VariGEAR

CA-27 YOGA

402701	Welding helmet AerTEC YOGA
402797	Helmet shell AerTEC YOGA, w/o head gear
405100	Auto-darkening welding filter AerTEC X100, 9-13
405110	Auto-darkening welding filter AerTEC X110 true colour
702701	Welding helmet CA-27 YOGA incl. ADF AerTEC X100, 9-13
702741	Headgear AerTEC YOGA, comfort, XD-HG4
702797	Helmet shell CA-27 YOGA incl head gear and air distribution
812701	Welding set CA-27 YOGA ADF 9-13 + CleanAIR® Basic
*106/58	Protection foil 106x58 mm (AerTEC YOGA) - inner, pack of 10 pcs
*114/104	Protection foil 114,5x104 (AerTEC YOGA) - outer, pack of 10 pcs
402701TC	Welding helmet AerTEC YOGA, ADF with True color

702701TC	Welding helmet CA-27 YOGA incl. ADF AerTEC X110 True Colour
812701TC	Welding set CA-27 YOGA ADF 9-13TC + CleanAIR® Basic
ARES II	
660000	CleanAIR® Pressure Ares - unit with belt and flow indicator
660090	CleanAIR® ARES - flow indicator
718310	CleanAIR® ARES II - hard hat BIOT for both versions
718311	CleanAIR® ARES II - hard hat fixing set
718330	CleanAIR® ARES II - spare inlet pressure hose
718341	CleanAIR® ARES II - headband for both versions
718344	CleanAIR® ARES II - spare adjustable back strap
718345	Earmuffs OPTIME II - ARES compatible
718350	CleanAIR® ARES II - air distribution
718351	CleanAIR® ARES II - air distribution holder
718355	CA Ares II, T-piece for air distributor
718360	CleanAIR® ARES II leather welding hood, visor 110x60, removable hard hat
718367	CleanAIR® ARES II - spare welding visor 110x60 including grinding frame
718368	CleanAIR® ARES II - spare welding visor 110x60, w/o grinding frame
718369	CleanAIR® ARES II - spare spring for visor 110x60
718390	CleanAIR® ARES II leather welding hood, visor 110x90, removable hard hat
718397	CleanAIR® ARES II - spare welding visor 110x90 including grinding frame
718398	CleanAIR® ARES II - spare welding visor 110x90, without grinding frame
718399	CleanAIR® ARES II - spare spring for visor 110x90
660000W	CleanAIR® Pressure Ares - unit only
718316/10	CleanAIR® ARES II - spare sweatband (10pcs)
718340-60	CleanAIR® ARES II - 110x60 spare leather welding hood
718340-90	CleanAIR® ARES II - 110x90 spare leather welding hood

CA-29 Evolve

402900	Welding hood Evermatic Evolve, with passive filter no. 10
402901	Welding hood Evermatic Evolve, with ADF V913 DS, ADC
402902	Welding helmet Evermatic Evolve, ADF AerTEC X100 V9-13
405040	Auto-darkening welding filter V9-13 DS ADC
702900	Welding hood CA-29 Evolve, incl. air distribution
702901	Welding hood CA-29 Evolve, incl. air distribution
702902	Welding helmet CA-29, ADF AerTEC X100 V913, incl. air distribution
702920	Grinding visor Evolve, polycarbonate (1pc)
702941	Headband CA-29 Evolve, incl. set of sweatbands
702942	Assembly kit for headband Evolve
702945	Flip-up kit Evolve, complete assembly
*110/90/1	Protection plate 108x51 mm, pack of 10 pcs
402902TC	Welding hood Evermatic Evolve, ADF AerTEC X110 V9
702902TC	Welding helmet CA-29, ADF AerTEC X110 V913 True Colour

CA-40, CA-40G, CA-40GW

405025	Auto-darkening welding filter Balder V9-13 ADC
405100	Auto-darkening welding filter AerTEC X100, 9-13
405110	Auto-darkening welding filter AerTEC X110 true colour, 9-13
704000	Helmet CA - 40 with welding visor
704002	CA-40 welding visor
704040	Earmuffs for helmet, no.8

704043	Fixing screws 2pcs.
704044	Sweatband for CA-40 pack of 10 pcs
704060	CA-40 face seal
704061	Chin strap for safety helmet CA-40
704065	Neck and throat protection for CA-40
704069	Metal pin 3x20 for CA-40, CA-40G, CA-40GW
704080	CA-40 protection plate outside (pack of 10pcs)
704100	Safety helmet CA-40 with grinding visor
704102	Spare grinding visor for CA-40 - cylindrical
704103	Spare grinding visor for CA-40, class 1, transparent
704104	Spare grinding visor for CA-40, class 1, yellow
704105	Spare grinding visor for CA-40, class 1, shade 4
704106	Spare grinding visor for CA-40, class 1, shade 5
704120	Protection film for grinding visor CA-40 (pack of 10pcs)
704200	Safety helmet CA-40GW with welding and grinding shield
704201	Safety helmet CA-40 with two visors, welding + grinding, incl ADF V9-13
704202	Welding shield CA-40 for combination with grinding visor
714040	Earmuffs for CA-40, no.8, Secure 1C
714041	Earmuffs for CA-40, no. 10, Secure 2C
714042	Earmuffs for CA-40, no. 12, Secure 3C
*108/51	Protection plate 108x51 mm, pack of 10 pcs
704041x	Headband for CA-40 helmet
704041x.1	Headband holder for CA-40 (set of 4 pcs including screws)
704065L	Neck and throat protection for CA-40, leather
704100x	Safety helmet CA-40 with grinding visor - cylindrical
704001	Safety helmet CA-40 with welding visor and with ADF V9-13

UniMask®

720310	UniMask® frame, w/o visor, w/o face seal
720340	Headband UniMask
720360	Protective hood UniMask, short
720361	Protective hood UniMask, long
720362	Protective hood UniMask, washable fabric
729000	Spare protective visor TR1, clear (720330)
729000	Spare protective visor TR1, clear
729001	Spare protective visor TR1, yellow (720330.01)
729001	Spare protective visor TR1, yellow
729003	Spare protective visor TR1, shade 3 (720330.02)
729003	Spare protective visor TR1, shade 3
729005	Spare protective visor TR1, shade 5 (720330.03)
729005	Spare protective visor TR1, shade 5
729090	Spare protective visor TR1, clear, aPA, chemicaly resistant
729100	Spare protective visor CR1, clear Cellulose Propionate, cylindrical
729101	Spare protective visor CR1, clear Polycarbonate, cylindrical
300300.01	Ready 2 Work set - CA AerG08UniMask® in transport case
510348.08	Ready 2 Work set - CA Chemical 2F6UniMask® in transport case
720300.01	Protective face shield UniMask, grey
720300.02	Protective face shield UniMask, blue
720300.03	Protective face shield UniMask, orange
720300.04	Protective face shield UniMask, red
720300.08	Protective face shield UniMask, neoprene
720350.01	Face seal UniMask, grey

720350.02	Face seal UniMask, blue
720350.03	Face seal UniMask, orange
720350.04	Face seal UniMask, red
720350.08	Face seal UniMask, neoprene
729120/10	Protection film for visor CR1, pack of 10 pcs

Light headtops CA-1, CA-2, CA-10

720001	Headgear for light hoods CleanAIR, adjustable
720101	Short hood CA-1 Lite
720102	Short hood CA-1, orange
720112	Short hood CA-1+, orange
720201	Long hood CA-2 lite
720202	Long hood CA-2, orange
721002	Long protective hood CA-10, chemically resistant
700120/10	Protection film self-adhesive for hoods CA-1,2,4,10 - 10 pcs
700120/10	Protection film self-adhesive for hoods CA-1,2,4,10 - 10 pcs
720102B	Short hood CA-1, blue
720112B	Short hood CA-1+, blue
720191/30	Spare short hood CA-1 lite, (w/o headband, incl connector) pck of 30pcs
720202B	Long hood CA-2, blue
720291/15	Spare long hood CA-2 lite, (w/o headband, incl connector) pck of 15pcs
721002G	Long protective hood CA-10, chemically resistant, grey [Tychem F]

Fullface masks GX-02, CF-02

710620	Visor protection film GX02
710670	Visor assembly with exhalation valves
710671	Visor frame (top & bottom)
710680	Head harness for GX02
710691	Inhalation valves for inner mask GX02 (pack of 5 pc)
710695	Inhalation valve set (5 membranes + 1 gasket)
710696	Exhalation valve set (5 membranes + 1 valve cover)
710697	Front cover GX-02
710600L	Full face mask GX02, size L
710600M	Full face mask GX02, size M
710600S	Full face mask GX02, size S
710690L	Inner mask incl. inner valves for GX-02, size 'L'
710690M	Inner mask incl. inner valves for GX-02, size 'M'
710690S	Inner mask incl. inner valves for GX-02, size 'S'
710695A	Inhalation valve membrane for GX02 (41204), pack of 5pcs
710695B	Inhalation valve seat / gasket for GX02 (41210)
720620	Visor protection film CF02
720680	Head harness for CF02
720695	Inhalation valve membranes CF02, (set of 5 pcs)
720696	Exhalation valve set CF02 (membranes 5pcs + valve cover 1pc)
720600L	Full face mask CF-02, size L
720600M	Full face mask CF-02, size M
720690L	Inner mask incl. inner valves for CF02, size 'L'
720690M	Inner mask incl. inner valves for CF02, size 'M'

Panoramate Lite

700055	Garment grommet RD40x1/7"
500249/5	Filter ZERO, with two threads RD40x1/7"
500257/3	Filter A2P3 ZERO, with two threads RD40x1/7", pack of 3
500265X/3	Filter NBC - A2B2E2K2P3, with two threads RD40x1/7", pack of 3

500268/3	Filter A2B2E2K2P3 ZERO, with two threads RD40x1/7", pack of 3
922550L	CleanAIR® Panoramate 2550 lite, Protective Coverall, type 4,5,6, size L
922550M	CleanAIR® Panoramate 2550 lite, Protective Coverall, type 4,5,6, size M
922550S	CleanAIR® Panoramate 2550 lite, Protective Coverall, type 4,5,6, size S
922550XL	CleanAIR® Panoramate 2550 lite, Protective Coverall, type 4,5,6, size XL
923550L	CleanAIR® Panoramate 3550 lite, Protective Coverall, type 3,4,5,6 size L
923550M	CleanAIR® Panoramate 3550 lite, Protective Coverall, type 3,4,5,6 size M
923550S	CleanAIR® Panoramate 3550 lite, Protective Coverall, type 3,4,5,6 size S
923550XL	CleanAIR® Panoramate 3550 lite, Protective Coverall, type 3,4,5,6 size XL

Ultimate

700055	Garment grommet RD40x1/7"
730610	Clamp frame Ultimate
500268/3	Filter A2B2E2K2P3 ZERO, with two threads RD40x1/7", pack of 3
504249/5	Filter ZERO lite, with two threads RD40x1/7", pack of 5
730601L	CleanAIR® Ultimate GX, size L, incl. clamp frame, grommets 2pcs
730601M	CleanAIR® Ultimate GX, size M, incl. clamp frame, grommets 2pcs
730601S	CleanAIR® Ultimate GX, size S, incl. clamp frame, grommets 2pcs
902500L	CleanAIR® Ultimate 2500 Protective Coverall - size L
902500M	CleanAIR® Ultimate 2500 Protective Coverall - size M
902500S	CleanAIR® Ultimate 2500 Protective Coverall - size S
902500XL	CleanAIR® Ultimate 2500 Protective Coverall - size XL

AerGO®

300015	Prefilter CA AerGO® - set of 10 pcs
300020	Spark arrester CA AerGO® - set of 10 pcs
300025	Odour filter CA AerGO® - set of 10 pcs
300030	Filter cover, spark arrester, prefilters (2+2+2 pc)
300092	Comfort belt CA AerGO
300357	Filter AerGO® A1P R SL (pack of 2 pcs)
300364	Filter AerGO® A1B1E1P R SL - OZONE (pack of 2 pcs)
310013	Battery CA AerGO, Li-Ion (14,4V / 2,6Ah)
310023	Battery CA AerGO® Heavy Duty, Li-Ion (14,4V / 5,5Ah)
310030	AerGO® charger (multi-plug)
320092	Leather comfort belt CA AerGO
300000L	CleanAIR® AerGO® with leather belt, battery, charger, QL hose, PRSL filters
300000LA	CleanAIR® AerGO® with leather belt, battery, charger, set of filters PRSL
300000LH	CleanAIR® AerGO® with leather belt, Heavy duty battery, charger, QL hose, ABEPRL filters
300000LHA	CleanAIR® AerGO® with leather belt, Heavy duty battery, charger, ABEPRL filters
300000P	CleanAIR® AerGO® incl comfort belt, battery, charger, QL hose, PRSL filters
300000PA	CleanAIR® AerGO® with accessories, comfort belt, battery, charger, set of filters
300000PHA	CleanAIR® AerGO® with comfort belt, Heavy duty battery, charger, ABEPRL filters
300000W.1	CleanAIR® AerGO® - unit only w/o battery
300010/2	Filter CA AerGO® P R SL (pack of 2 pairs)
300015/50	Prefilter CA AerGO® - set of 50 pcs
300025/50	Odour filter CA AerGO® - set of 50 pcs
302070FP	Welding set CleanAIR® AerGO® with CA-20 DS

302081F	CleanAIR® AerGO® with CA-20 welding hood GDS
302081FLH	Welding set CleanAIR® AerGO® with CA-20 GDS, HD battery
Basic	
710030	CleanAIR® Basic, battery charger
710092	Comfort belt Super (Basic, 2F)
710093	Comfort belt Standard
720093	Leather comfort belt CA Basic
810015	CleanAIR® Basic pre-filter (pack of 10pcs)
810017	Battery CA Basic, Li-Ion (7,2V / 5,2Ah)
810020	CleanAIR® Basic odour filter (pack of 10pcs)
810030	CleanAIR® Basic, filter cover
800010/2	Filter P R SL for CleanAIR® Basic - pack of 2 pcs.
800010/20	Filter P R SL for CleanAIR® Basic - pack of 20 pcs.
810000L	CleanAIR® Basic incl Li-Ion battery, charger, comfort leather belt, QL hose, flow indicator
810000LA	CleanAIR® Basic incl Li-Ion battery, charger, comfort leather belt, flow indicator
810000P	CleanAIR® Basic incl Li-Ion battery, charger, comfort belt, QL hose, flow indicator
810000PA	CleanAIR® Basic incl Li-Ion battery, charger, comfort belt, flow indicator
810000W.1	CleanAIR® Basic unit only w/o battery
Chemical 2F	
500109	Pre-filter keeper
500110	Pre-filter for canister filters- 10 pcs prefilters + keeper
500112	Spark arrester for canister filters - 2pcs + 2 Pre-filter keepers (500109)
510000	CleanAIR® Chemical 2F plus - only unit with battery
510010	Battery CA Chemical 2F, Li-Ion (14,4V / 2,6Ah)
510020	Battery CA Chemical 2F Heavy Duty, Li-Ion (14,4V / 5,2Ah)
510046	Decontamination set for 2F
510051	Decontaminable belt PVC - 2F/3F
510052	Decontaminable harness PVC - 2F/3F
520010	Battery CA Chemical 3F, Li-Ion (14,4V / 2,6Ah)
520046	Decontamination set for 3F
520101	2F/3F TFT Display foil (pack of 5pcs)
580013	Rubber filter cover
700060	Light flexi hose CA40x1/7' - CA40x1/7' - mask compatible
710060	QuickLOCK Light flexi hose
710086	QuickLOCK Rubber hose
710092	Comfort belt Super (Basic, 2F)
720092	Leather comfort belt CA Chemical 2F
500110/50	Pre-filter for canister filters pack of 50 pcs, w/o keepers
510000FCA	CleanAIR® Chemical 2F - with comfort belt, indicator, charger euro plug
510000FDA	CleanAIR® Chemical 2F - included, decont. belt, flow indicator, charger
510000HCA	CleanAIR® Chemical 2F - incl. comfort belt, indicator, charger, HD battery
510000HDA	CleanAIR® Chemical 2F - incl. decont. belt, flow indicator, charger, HD battery
510000W.1	CleanAIR® Chemical 2F plus - unit only w/o battery
510015.1	Power adaptor 2F, 230V / 24V, for the main socket
510015.2	Power adaptor 2F, 24V / car power socket
510030AUS	Charger Li-ION 14,4 V, AUS plug
510030EUR	Charger Li-ION 14,4 V, EURO plug
510030UK	Charger Li-ION 14,4 V, UK plug
700062C	Hose cover chemical resistant

700086CA	Rubber hose CA40x1/7" - CA40x1/7" - mask compatible
700086L	Rubber hose CA40x1/7" - CA40x1/7" straight - 900mm
700086R	Rubber hose CA40x1/7" - CA40x1/7" 90° - mask compatible
700086RL	Rubber hose CA40x1/7" - CA40x1/7" 90° - long, mask compatible
710060L	QuickLOCK Light flexi hose, extended
710086L	QuickLOCK Rubber hose, extended
Chemical 2F Ex	
500109	Pre-filter keeper
500110	Pre-filter for canister filters- 10 pcs prefilters + keeper
510010	Battery CA Chemical 2F, Li-Ion (14,4V / 2,6Ah)
510039	Battery charger cord extension
510046	Decontamination set for 2F
510051	Decontaminable belt PVC - 2F/3F
510052	Decontaminable harness PVC - 2F/3F
520101	2F/3F TFT Display foil (pack of 5pcs)
580013	Rubber filter cover
710060	QuickLOCK Light flexi hose
710086	QuickLOCK Rubber hose
500110/50	Sada předfiltrů pro kanystrové filtry (baleno po 50 ks)
510030AUS	Charger Li-ION 14,4 V, AUS plug
510030EUR	Charger Li-ION 14,4 V, EURO plug
510030UK	Charger Li-ION 14,4 V, UK plug
51E000	CleanAIR® Chemical 2F Ex - only unit with battery
51E000FD	CleanAIR® Chemical 2F Ex - incl. flexi hose QL, belt PVC, charger
51E000FDA	CleanAIR® Chemical 2F Ex - incl. belt PVC, charger, flow indicator
700062C	Hose cover chemical resistant
710060L	QuickLOCK Light flexi hose, extended
710086L	QuickLOCK Rubber hose, extended
MedicAER	
510010	Battery CA Chemical 2F, Li-Ion (14,4V / 2,6Ah)
510020	Battery CA Chemical 2F Heavy Duty, Li-Ion (14,4V / 5,2Ah)
510046	Decontamination set for 2F
510051	Decontaminable belt PVC - 2F/3F
510052	Decontaminable harness PVC - 2F/3F
520000	CleanAIR® Chemical 3F - only unit with battery Li-Ion 14,4V / 2,6Ah
520010	Battery CA Chemical 3F, Li-Ion (14,4V / 2,6Ah)
520046	Decontamination set for 3F
520052	Decontaminable harness PVC - 3F
520101	2F/3F TFT Display foil (pack of 5pcs)
580013	Rubber filter cover
700060	Light flexi hose CA40x1/7' - CA40x1/7' - mask compatible
710060	QuickLOCK Light flexi hose
710086	QuickLOCK Rubber hose
710092	Comfort belt Super (Basic, 2F)
510030AUS	Charger Li-ION 14,4 V, AUS plug
510030EUR	Charger Li-ION 14,4 V, EURO plug
510030UK	Charger Li-ION 14,4 V, UK plug
51M000FC	CleanAIR® MedicAER with accessories packed in transport case
51M000FD	CleanAIR® MedicAER with belt and accessories
51M010	Battery CA MedicAER, Li-Ion (14,4V / 2,6Ah)
51M100FDH	Ready 2 Work set - CA MedicAER and CA-10, ABEKP3 filters, in duffel bag CA

51M100FDH.1	Ready 2 Work set - CA MedicAER and CA-10, P3 filters, in duffel bag CA
520044.1	Harness for CA Chemical 2F/3F comfort
700062C	Hose cover chemical resistant
700062C	Hose cover chemical resistant
700086CA	Rubber hose CA40x1/7" - CA40x1/7" - mask compatible
700086L	Rubber hose CA40x1/7" - CA40x1/7" straight - 900mm
700086R	Rubber hose CA40x1/7" - CA40x1/7" 90° - mask compatible
700086RL	Rubber hose CA40x1/7" - CA40x1/7" 90° - long, mask compatible
710060L	QuickLOCK Light flexi hose, extended
710086L	QuickLOCK Rubber hose, extended

Chemical 2F Asbest

500109	Pre-filter keeper
500110	Pre-filter for canister filters- 10 pcs prefilters + keeper
500112	Spark arrester for canister filters - 2pcs + 2 Pre-filter keepers (500109)
510010	Battery CA Chemical 2F, Li-Ion (14,4V / 2,6Ah)
510020	Battery CA Chemical 2F Heavy Duty, Li-Ion (14,4V / 5,2Ah)
510046	Decontamination set for 2F
510051	Decontaminable belt PVC - 2F/3F
510052	Decontaminable harness PVC - 2F/3F
520101	2F/3F TFT Display foil (pack of 5pcs)
580013	Rubber filter cover
700060	Light flexi hose CA40x1/7" - CA40x1/7" - mask compatible
500110/50	Sada předfiltrů pro kanystrové filtry (baleno po 50 ks)
510000ASD	CleanAIR® Chemical 2F Asbest - incl. decont. belt, flow indicator
510030AUS	Charger Li-ION 14,4 V, AUS plug
510030EUR	Charger Li-ION 14,4 V, EURO plug
510030UK	Charger Li-ION 14,4 V, UK plug
700062C	Hose cover chemical resistant
700086CA	Rubber hose CA40x1/7" - CA40x1/7" - mask compatible
700086L	Rubber hose CA40x1/7" - CA40x1/7" straight - 900mm
700086R	Rubber hose CA40x1/7" - CA40x1/7" 90° - mask compatible
700086RL	Rubber hose CA40x1/7" - CA40x1/7" 90° - long, mask compatible

Chemical 3F

500109	Pre-filter keeper
500110	Pre-filter for canister filters- 10 pcs prefilters + keeper
500113	Spark arrester for canister filters - 3pcs + 3 Pre-filter keepers (500109)
520000	CleanAIR® Chemical 3F - only unit with battery Li-Ion 14,4V / 2,6Ah
520010	Battery CA Chemical 3F, Li-Ion (14,4V / 2,6Ah)
520046	Decontamination set for 3F
520052	Decontaminable harness PVC - 3F
700060	Light flexi hose CA40x1/7" - CA40x1/7" - mask compatible
710060	QuickLOCK Light flexi hose
710086	QuickLOCK Rubber hose
500110/50	Pre-filter for canister filters pack of 50 pcs, w/o keepers
510030AUS	Charger Li-ION 14,4 V, AUS plug
510030EUR	Charger Li-ION 14,4 V, EURO plug
510030UK	Charger Li-ION 14,4 V, UK plug
520000FCA	CleanAIR® Chemical 3F - comfort belt, flow indicator, charger

520000FDA	CleanAIR® Chemical 3F - incl. decon. belt, flow indicator,charger
520043.1	3F belt comfort
520043.1	Comfort belt Chemical 3F
700062C	Hose cover chemical resistant
700086CA	Rubber hose CA40x1/7" - CA40x1/7" - mask compatible
700086L	Rubber hose CA40x1/7" - CA40x1/7" straight - 900mm
700086R	Rubber hose CA40x1/7" - CA40x1/7" 90° - mask compatible
700086RL	Rubber hose CA40x1/7" - CA40x1/7" 90° - long, mask compatible
710060L	QuickLOCK Light flexi hose, extended
710086L	QuickLOCK Rubber hose, extended

Asbest

590000	CleanAIR® Asbest incl. indicator without battery an
590001	CleanAIR® Asbest incl. battery and indicator, w/o filter
590002	CleanAIR® Asbest incl. battery, filter, hose, charger, indicator
590004	CleanAIR® Asbest incl. battery, charger, PRSL filter
590013	Exchangeable battery Li-Ion CA Asbest/D-bug 7,2 V / 2,6 Ah
590030	CleanAIR® Asbest/D-bug Li-Ion charger, multiplug
700097	Belt for Clean-air Asbest/D-bug, 40mm, incl. hose holder
560010/5	Filter P R SL, for CleanAIR® Asbest, pack of 5
560010/5	Filter P R SL, for CleanAIR® Asbest, pack of 5
560010/50	Filter P R SL, for ClenaAIR Asbest, pack of 50pcs
560010/50	Filter P R SL, for ClenaAIR Asbest, pack of 50pcs
590002T	CleanAIR® Asbest incl. two batteries,filter,hose +
700087CA	Light flexi hose - CleanAIR® Asbest

D-Bug

300357	Filter AerGO/D-Bug A1P R SL (pack of 2 pcs)
300364	Filter AerGO/D-Bug A1B1E1P R SL - OZONE (pack of 2 pcs)
490001	CleanAIR® D-Bug incl. battery and indicator, without filter
490002	CleanAIR® D-Bug incl. battery, filter ABEP 2x, hose, charger and rubber belt
500108	Canister filter cover
560020	Rubber belt with hose and unit keeper
590013	Battery CA Asbest/D-Bug, Li-Ion (7,2V / 2,6Ah)
590030	CleanAIR® Asbest/D-Bug Li-Ion charger
700097	Belt for Clean-air Asbest / D-Bug, incl. hose holder
300010/2	Filter CA AerGO/D-Bug P R SL (pack of 2 pairs)
300015/50	Prefilter CA AerGO/ D-Bug - set of 50 pcs
700087CA	Light flexi hose - CleanAIR® Asbest / D-bug

Pressure, Pressure Flow Master, Conditioner

610010	Filter for CleanAIR® Pressure Conditioner
610024	CA CONDITIONER - sealing O-ring 139x3 (pack of 5pcs)
610028	CA CONDITIONER - sealing O-ring 30x4 (pack of 5pcs)
610030	Standard pressure hose CAP 10m
610031	Antistatic pressure hose CAP 10m
610033	Antistatic pressure hose CAP 25m
610034	Antistatic pressure hose CAP 50m
610038	Standard pressure hose CAP 25m
610039	Standard pressure hose CAP 50m
610046	Spiral pressure hose 6,5x10mm, lenght 10m (PU)
610050	CleanAIR® Pressure Conditioner with stand, incl. filter
610090	Control Gauge for CA Conditioner and CA Pressure
630000	CleanAIR® Pressure - belt and flow indicator

630010	Noise silencer CA Pressure
670000	CleanAIR® Pressure FlowMaster incl. comfort belt
710093	Comfort belt Standard
710095	Belt for CA Pressure
610030.1	Standard pressure hose CAP 10m, G3/8" - G3/8"
610031.1	Antistatic pressure hose CAP 10m, G3/8" - G3/8"

Pressure for Mask

650010	CA Pressure for mask - mask reduction + 1 filter P3
650030	CA Pressure for mask - spare hose
650000PC	CleanAIR® Pressure for mask, incl. P3 filter and comfort belt
650000PD	CleanAIR® Pressure for mask, incl. decont. rubber belt and P3 filter, w/o mask

Filters

500170	Filter A3AXP3, thread RD40x1/7', 1pc
500048/6	Filter P3, thread RD40x1/7', pack of 6
500048/60	Filter P3, thread RD40x1/7', bulk package of 60pcs
500156/3	Filter A2, thread RD40x1/7', pack of 3
500157/3	Filter A2P3, thread RD40x1/7' pack of 3 pcs
500157/30	Filter A2P3, thread RD40x1/7' pack of 30 pcs, w/o filter covers
500158/3	Filter A2B2, thread RD40x1/7', pack of 3
500159/3	Filter K2, thread RD40x1/7', pack of 3
500160/3	Filter K2P3, thread RD40x1/7', pack of 3
500161/3	Filter B2, thread RD40x1/7', pack of 3
500162/3	Filter B2P3, thread RD40x1/7', pack of 3
500163/3	Filter A2B2E2, thread RD40x1/7', pack of 3
500164/3	Filter A2B2E2P3, thread RD40x1/7', pack of 3
500165X/3	Filter NBC - A2B2E2K2P3, thread RD40x1/7', pack of 3
500166/3	Filter A2B2E2K2HgP3, thread RD40x1/7', pack of 3
500167/3	Filter A2B2P3, thread RD40x1/7', pack of 3
500168/3	Filter A2B2E2K2P3, thread RD40x1/7', pack of 3
500168/30	Filter A2B2E2K2P3, thread RD40x1/7' pack of 30 pcs, w/o filter covers
500169/3	Filter A2B2E2K2, thread RD40x1/7', pack of 3
500249/5	Filter ZERO, with two threads RD40x1/7', pack of 5
500265X/3	Filter NBC - A2B2E2K2P3, with two threads RD40x1/7', pack of 3
500268/3	Filter A2B2E2K2P3 ZERO, with two threads RD40x1/7', pack of 3
500357/3	Filter A1P3, thread RD40x1/7', pack of 3
500364/3	Filter A1B1E1P3, thread RD40x1/7', pack of 3
504048/50	Filter P3 lite, RD40x1/7', pack of 50 pcs
504048/6	Filter P3 lite, RD40x1/7', pack of 6
504249/5	Filter ZERO lite, with two threads RD40x1/7', pack of 5

Parts, accessories

164000	Head cover
700007	Transport bag CleanAIR®
700030	Battery charger EURO plug CA Basic, for NiMH battery
700052	Hood grommet Rd40x1/7'
700060	Light flexi hose CA40x1/7' - CA40x1/7' - mask compatible
700065	Helmet bag CleanAIR
700099	Set of side release belt buckles, w/o slide buckle
700201	Tyvek head protection
710060	QuickLOCK Light flexi hose
710076	QuickLOCK adaptor
710086	QuickLOCK Rubber hose
800017	Battery CA Basic 2000, NiMH [4,8V / 4,5Ah]
011017	CleanAIR® klar-pilot Comfort, 17ml

011100	CleanAIR® klar-pilot Fluid Super Plus, 100ml
167002/5	Sweatband CleanAIR® for Ventilator hood, pack of 5pcs
169000	Protective neck cover
500110X	Pre-filter for canister filters- 50 pcs prefilters
590090RD	Flow indicator for CA Asbest
610030.1	Standard pressure hose CAP 10m, G3/8" / G3/8"
700062C	Hose cover chemical resistant
700085F	Light flexi hose for CA Pressure - RD40/CA40
700085FF	Light flexi hose Rd40x1/7' - Rd40x1/7' inner thread
700086CA	Rubber hose CA40x1/7" - CA40x1/7" - mask compatible
700086L	Rubber hose CA40x1/7" - CA40x1/7' straight - 900m
700086R	Rubber hose CA40x1/7" - CA40x1/7' 90° - mask compatible
700086RL	Rubber hose CA40x1/7" - CA40x1/7' 90° - long
700090RD	Flow indicator, RD40x1/7''
710060B	QuickLOCK Light flexi hose, bayonet
710060L	QuickLOCK Light flexi hose, extended
710086B	QuickLOCK Rubber hose, bayonet
710450QL	Air duct - QL connector
AT0110-010	Welding gloves MIG/MAG AerTEC™ AT-110 size 10
AT0110-011	Welding gloves MIG/MAG AerTEC™ AT-110 size 11
AT0220-009	Welding gloves TIG AerTEC™ AT-220 size 9
AT0220-010	Welding gloves TIG AerTEC™ AT-220 size 10
AT0220-011	Welding gloves TIG AerTEC™ AT-220 size 11

Recommended combinations

Welding and manufacturing

Omnira COMBI air



Verus air



SUMMIT air



CA-27 YOGA



CA-29 Evolve



CA-40 G/W/GW



UniMask®



Omnira air



CA-3



CA-2



CA-2 Lite



CA-1



CA-1 Lite



AerGO®



Basic



Pressure / FM

Medical

UniMask®



GX02



CF02



Panoramate Lite



CA-10



CA-10G



CA-2 Lite



CA-1 Lite



MedicAER®

Welding

ARES II



Pressure ARES

Chemical

GX02



Pressure for Mask



D-Bug

Chemical



CA-1 / CA-1+



CA-1 Lite



CA-2



CA-2 Lite



CA-10



CA-10G



GX02



CF02



UniMask®



Chemical 2F



Chemical 3F

ATEX



UniMask®



CA-40G



CA-10



CA-10G



CA-2 Lite



CA-1 Lite



Panoramate Lite



Chemical 2F Ex

Asbestos



GX02



CF02



Ultimate*



Panoramate Lite*



Chemical 2F Asbest*



Asbest



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