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MAKE THE WORLD SAFER

RESPIRATORY PROTECTION PRODUCTS CATALOG

Shanghai C&G Safety Co., Ltd.

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COMPANY PROFILE

Shanghai C&G Safety Co., Ltd.

Shanghai C&G Safety Co., Ltd. (hereinafter referred to as "Shanghai C&G") was established in 2005 and is headquartered in Shanghai, the innovation capital of China. It focuses on the safety and emergency industry, dedicating to R&D, production and sales of emergency rescue equipment, personal safety protective equipment, special functional protective clothing, safety tools and new materials of electrical fire protection and safety emergency. It is also an integrator of MRO products and services related to the safety emergency industry, providing professional one-stop solutions for various emergencies and operating personnel who may be exposed to different high-risk environments such as arcs, electric fields, high temperatures, flash fires, explosions, chemicals, and viruses. At present, its main services cover domestic and international power energy, emergency fire protection, petroleum and petrochemical, and production-oriented industrial and mining enterprises.

Shanghai C&G adheres to the spirit of innovation, continuously invests in new technology research and new product development, and has successively won the title of "Specialized in special new" in Shanghai and a national high-tech enterprise. With a R&D center and an independent laboratory in Pudong, Shanghai and long-term strategic cooperation with many professional colleges and scientific research institutions, it has continuously launched many innovative products and safety emergency solutions for various high-risk industries such as electric power, emergency, fire protection, petroleum and petrochemical industries. In addition, it also has a strong sales and service network covering the whole country. With offices or contracted authorized service providers in all provinces, it provides domestic customers with the first-time service response. At the same time, it continues to develop the international market and sell products widely in more than 110 countries around the world.

As the vice-chairman unit of the China Textile Business Association Safety and Health Protection Products Committee and the vice-chairman unit of the Shanghai Labor Protection Products Industry Association, it has successively obtained Safety signs for special labor protection products (LA) and China Certification Center for Fire Products Ministry of Public Security (CCCCF). While complying with national standards, many products have passed the certification of American Standard or European Standard, and obtained ISO9001, ISO14001 and ISO45001 management system certification.

Shanghai C&G is committed to building a leading brand in the safety emergency industry with technological innovation as the core and sustainable development, providing customers with one-stop safety emergency solutions, escorts for every worker and makes the world safer!



Headquarter



R&D Center



Laboratory

MAKE THE WORLD SAFER!

SCBA

- Model: RHZK6.8 RHZK9
- Order No.: CG640123001 CG640123002
- Standard: XF124-2013
- Application: Suitable for the atmosphere of hypoxia or polluted by dense smoke, poisonous gas, smog or hot vapor.

Cylinder

- Winding carbon fiber composite cylinder, high strength, corrosion-resistant and impact-resistant.
- Both ends are equipped with rubber protective cover, effectively avoid impact, etc..

Backboard Assembly

- The design of the backboard conforms to the principles of ergonomics and distributes the load.
- Shoulder straps, waist pads, belts and other fabric are made of aramid materials, with excellent flame resistant properties.
- Plastic parts are all made of flame retardant materials.

Rescue Interface

- Plug-in connection, automatically locked after insertion.
- More convenient for the user to rescue.

Pressure Gauge and Alarm

- The alarm adopts electronic + mechanical dual-mode output design to avoid false alarms caused by single damage.
- Sound alarm when the sound is ≥ 90 dB.
- Pressure gauge fluorescently displays, waterproof, explosion-proof and night vision function.
- With a rubber protective cover on the casing of the pressure gauge.

Full Face Mask

- The colloid is made of silicone material, more comfortable to wear.
- Full face screen, wide field of view and anti-fog.
- Five-point fixed and adjustable aramid head net (inherently flame resistant), which can be freely adjusted according to the wearer's head.

Heads-Up Display (HUD)

- The signal is transmitted wirelessly and unique.
- Red, yellow and green lights are used to display different pressure ranges respectively.

Demand Valve

- 360° fast plug-in, small size.
- Good view, free connection with medium pressure pipe.

Cylinder Valve

- Right switch handle, more convenient to open and close.
- With self-locking function to prevent accidental closing.
- Pressure gauges displayed on both sides, easy to read the pressure value in the bottle.

Pressure Reducer

- The gas supply is more stable, making the user breathe more smoothly.
- Unique large gas supply, ≥ 1000 L/min.
- With overvoltage protection function.
- Double decompression structure.



SCBA

- Model: X-F-20 X-F-24
- Order No.: CG640123003 CG640123004
- Standard: GB/T 16556-2007
- Application: Suitable for the atmosphere of hypoxia or polluted by dense smoke, poisonous gas, smog or hot vapor.

Backboard Assembly

- The design of the backboard conforms to the principles of ergonomics and distributes the load.
- Shoulder straps, waist pads, waist belts and other fabrics are made of flame retardant polyester material, with excellent flame retardant properties.
- Plastic parts are all made of flame retardant materials.

Cylinder

- Winding carbon fiber composite cylinder, high strength, corrosion resistance and impact resistance.
- Both ends are equipped with rubber protective cover, effectively avoid impact, etc..

Cylinder Valve

- Right switch handle, more convenient to open and close.
- With self-locking function to prevent accidental closing.

Pressure Reducer

- The gas supply is more stable, making the user breathe more smoothly.
- Unique large gas supply, $\geq 1000\text{L}/\text{min}$.
- With overvoltage protection function.
- Double decompression structure.



Full Face Mask

- The colloid is made of silicone material, more comfortable to wear.
- Full face screen, wide field of view and anti-fog.
- Five-point fixed and adjustable flame retardant polyester head net, which can be freely adjusted according to the wearer's head.

Demand Valve

- 360° fast plug-in, small size.
- Good view, free connection with medium pressure pipe.

Pressure Gauge and Alarm

- Alarm adopts mechanical output design.
- Sound alarm when the sound is $\geq 90\text{dB}$.
- Pressure gauge fluorescently displays, waterproof and explosion-proof.
- With a rubber protective cover on the casing of the pressure gauge.

Rescue Interface

- Plug-in connection, automatically locked after insertion.
- More convenient for the user to rescue.

9200 TPE Half Mask



- Model: 9200
- Order No.: CG640323002
- Product Description:
 - TPE material, comfortable and durable, suitable for users to wear for a long time, easy to clean and maintain.
 - Screw bayonet assembly design, easy and quick installation and disassembly for the filter, sealing gasket to ensure tightness.
 - Double filter half mask, smooth breathing, and compact design ensures wide vision for the wearer.
 - Comfortable head frame, elastic headband, long service life. The headband has good elasticity and is strong and durable. Adjustable head frame, suitable for different head shapes. Hanging wearing design, compatible with other protective equipment.
 - Provide rich filter elements, suitable for different working scenarios. Can be used to protect against a variety of gases, vapors and particles.
- Material: TPE
- Standard: GB2626-2019, GB2890-2009

9500 Silicone Half Mask



- Model: 9500
- Order No.: CG640323003
- Product Description:
 - High-grade silicone material, comfortable and non-allergic, suitable for long-time wear in hot and humid environments, the silicone material is not easy to age, and has a long service life.
 - Screw bayonet assembly design, easy and quick installation and disassembly for the filter, sealing gasket to ensure tightness.
 - The streamlined body and the unique design of the breathing valve fit closely to the face to ensure the wearer's vision. The opening of the exhalation valve faces downwards to reduce the accumulation of heat and moisture in the mask and to make the user breathe more smoothly.
 - Comfortable head frame, elastic headband, long service life, good elasticity, strong and durable.
 - Adjustable head frame, suitable for different head shapes.
 - Hanging wearing design, compatible with other protective equipment.
 - Provides rich filter elements, suitable for different working scenarios. Can be used to protect against a variety of gases, vapors and particles.
- Material: Silicone
- Standard: GB2626-2019, GB2890-2009

5800 Silicone Fullface Mask



- Model: 5800
- Order No.: CG640223001
- Product Description:
 - High-grade silicone material, comfortable and non-allergic, suitable for long-time wear in hot and humid environments, the silicone material is not easy to age, and has a long service life.
 - Screw bayonet assembly design, easy and quick installation and disassembly for the filter, sealing gasket to ensure tightness.
 - Curved wide field of view design, safer operation, high-performance polycarbonate material, impact resistance, anti-fog coating, silicone sealing gasket, suitable for long-time wearing, four-point adjustable headband, comfortable and convenient.
 - Unique central breathing adapter design, the exhalation valve is not easy to be polluted, and it is more convenient to clean. The opening of the exhalation valve faces downwards to reduce the accumulation of heat and moisture in the mask and to make the user breathe more smoothly. Many certified filters are available to protect a variety of gases, vapors and particles. There is a wide range of applications.
 - Provides rich filter elements, suitable for different working scenarios.
- Material: Silicone
- Standard: GB2626-2019, GB2890-2009

1200 TPE Half Mask



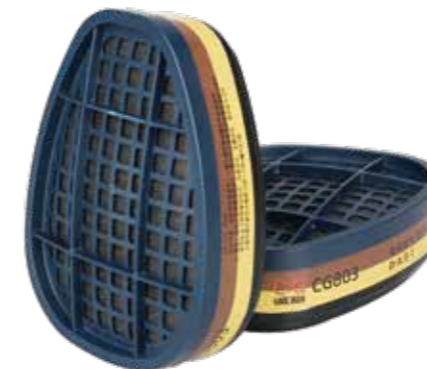
- Model: 1200
- Order No.: CG640323001
- Product Description:
 - TPE material, comfortable and durable, suitable for long-time wearing, easy to clean and maintain.
 - Specially designed for Chinese face shape and nose bridge. It has a compact shape and fits well with the face. It can be used with different filters according to different pollutants.
 - Comfortable head frame, elastic headband, long service life, good elasticity, strong and durable,
 - Adjustable head frame, suitable for different head shapes.
 - Hanging wearing design, compatible with other protective equipment.
 - One mask with multiple uses. Can be matched with filters or filter holders. With a special buckle and is easy to install.
- Material: TPE
- Standard: GB2626-2019, GB2890-2009

CG801 Organic Vapor Filter



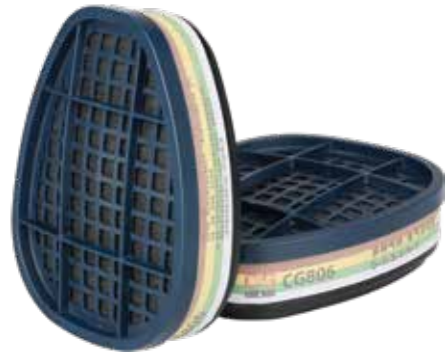
- Model: CG801
- Order No.: CG640423001
- Product Description:
 - Aerodynamic air intake grid, smoother air intake, lower resistance, high utilization rate of activated carbon, and better protection time.
 - Trapezoidal design, the center of gravity is shifted backwards to achieve a more suitable distribution of the center of gravity for long-time wear, compact assembly, and compatible with visors and welding masks.
 - High-strength ABS material box body, better dimensional stability, adapts to different working environment, ultrasonic welding machine process makes the box body stronger and the activated carbon filled more densely.
 - Coconut shell activated carbon with high adsorption rate, high carbon tetrachloride adsorption value coconut shell activated carbon, long protection time, low ash content, chemically impregnated activated carbon, efficient chemical adsorption of various toxic and harmful gases.
- Application: Used to protect against organic vapors, such as benzene and its homologues, gasoline, acetone, carbon disulfide, ether, etc.
- Material: PP
- Standard: GB2890-2009 P-A-1

CG803 Organic Vapor and Acid Gas Filter



- Model: CG803
- Order No.: CG640423002
- Product Description:
 - Aerodynamic air intake grid, smoother air intake, lower resistance, high utilization rate of activated carbon, and better protection time.
 - Trapezoidal design, the center of gravity is shifted backwards to achieve a more suitable distribution of the center of gravity for long-time wear, compact assembly, and compatible with visors and welding masks.
 - High-strength ABS material box body, better dimensional stability, adapts to different working environment, ultrasonic welding process makes the box body stronger and the activated carbon filled more densely.
 - Coconut shell activated carbon with high adsorption rate, high carbon tetrachloride adsorption value coconut shell activated carbon, long protection time, low ash content, chemically impregnated activated carbon, efficient chemical adsorption of various toxic and harmful gases.
- Application: Used to protect against organic gas or vapor, sulfur dioxide and other acidic gas or vapor, etc.
- Material: PP
- Standard: GB2890-2009 D-A/E-1

CG806 Multi Gas/Vapor Filter



- Model: CG806
- Order No.: CG640423003
- Product Description:
 - Aerodynamic air intake grid, smoother air intake, lower resistance, high utilization rate of activated carbon, and better protection time.
 - Trapezoidal design, the center of gravity is shifted backwards to achieve a more suitable distribution of the center of gravity for long-time wear, compact assembly, and compatible with visors and welding masks.
 - High-strength ABS material box body, better dimensional stability, adapts to different working environment, ultrasonic welding process makes the box body stronger and the activated carbon filled more densely.
 - Coconut shell activated carbon with high adsorption rate, high carbon tetrachloride adsorption value coconut shell activated carbon, long protection time, low ash content, chemically impregnated activated carbon, efficient chemical adsorption of various toxic and harmful gases.
- Application: Used to protect against benzene and its homologues and other organic vapors, sulfur dioxide and other acid gases, ammonia, methylamine, formaldehyde, hydrofluoric acid, hydrogen cyanide, etc.
- Material: PP
- Standard: GB2890-2009 D-A/B/E/K-1

CG501 Organic Vapor Filter



- Model: CG501
- Order No.: CG640423004
- Product Description:
 - Push-to-install interface design, convenient and quick installation and disassembly, good air tightness.
 - Aerodynamic air intake grid, smoother air intake, lower resistance, high utilization rate of activated carbon, and better protection time.
 - High-strength ABS material box body, better dimensional stability, adapts to different working environment, ultrasonic welding process makes the box body stronger and the activated carbon filled more densely.
 - High adsorption rate coconut shell activated carbon, high carbon tetrachloride adsorption value coconut shell activated carbon, long protection time, low ash content.
- Application: Used to protect against organic gases or vapors, such as benzene and its homologues, carbon disulfide, etc. It can be used for dust and poison protection with CG395 Pre filter and CG51 Pre filter cover.
- Material: PP
- Standard: GB2890-2009 P-A-1

CGP100 Particulate Filter



- Model: CGP100
- Order No.: CG640623001
- Product Description:
 - Multiple filters, more efficient and longer service life.
 - Ultra-low resistance and anti-oil particle melt blown, high-efficiency filtration while ensuring smooth breathing, multi-layer high-efficiency electrostatic padding, high dust holding capacity, and longer service life.
 - Built-in bracket, breathing more smoothly, bracket design, forming a cavity inside the filter, which is more conducive to air flow, achieving ultra-low resistance and maximizing material utilization, low resistance while ensuring filter efficiency.
- Application: It can efficiently filter all kinds of non-oily and oily particles; long service life, low inhalation resistance, and the filter efficiency can reach 99.97%.
- Material: Ultra-low resistance oil-repellent particle melt-blown cloth
- Standard: GB 2626-2019 KP100

CG295 Particulate Filter



- Model: CG295
- Order No.: CG640623003
- Product Description:
 - Multiple filters, more efficient and longer service life.
 - Low-resistance melt-blown, high-efficiency filtration while ensuring smooth breathing, multi-layer high-efficiency electrostatic padding high dust holding capacity, and longer service life.
 - Single buckle installation design, convenient and quick installation and disassembly, installation positioning instructions to ensure the installation in place and air tightness.
 - High-strength melt-blown activated carbon cloth. Coconut shell activated carbon with high carbon tetrachloride adsorption value has better adsorption performance, and the melt-blown carbon cloth process maximizes the performance of activated carbon.
- Application: Effectively filter non-oily particles, suitable for protection against particles produced by welding, grinding, mining, casting, and metal smelting.
- Material: High-efficiency melt-blown activated carbon cloth
- Standard: GB 2626-2019 KN95

CG395 Pre Filter



- Model: CG395
- Order No.: CG640623004
- Product Description:
 - Buckle installation design, with CG51 convenient and quick installation and disassembly, good air tightness.
 - Multiple filters, more efficient and longer service life, Ultra-low resistance oil-repellent particle melt-blown cloth, high-efficiency filtering and smooth breathing at the same time.
 - High-efficiency electrostatic padding, high dust holding capacity, longer service life, P1 level, >95% oily particle filter efficiency.
- Application: Effectively filter the paint mist generated in various painting operations, and the smoke filter efficiency is higher than 95%.
- Material: Ultra-low resistance oil-repellent particle melt-blown cloth + high-efficiency electrostatic padding
- Standard: GB 2890-2009 P1

CG195 Particulate Filter



- Model: CG195
- Order No.: CG640623002
- Product Description:
 - Multiple filters, more efficient and longer service life.
 - Low-resistance melt-blown, high-efficiency filtration while ensuring smooth breathing, multi-layer high-efficiency electrostatic padding, high dust holding capacity, and longer service life.
 - Single buckle installation design, convenient and quick installation and disassembly, installation positioning instructions to ensure the installation in place and air tightness.
 - High-strength melt-blown activated carbon cloth. Coconut shell activated carbon with high carbon tetrachloride adsorption value has better adsorption performance, and the melt-blown carbon cloth process maximizes the performance of activated carbon.
- Application: Effectively filter non-oily particles, suitable for protection against particles produced by welding, grinding, mining, casting, and metal smelting.
- Material: High-efficiency melt-blown activated carbon cloth
- Standard: GB 2626-2019 KN95, GB 2890-2009 P1

3800 Filter Holder



- Model: 3800
- Order No.: CG670123001
- Product Description:
 - Single buckle installation design, convenient and quick installation and disassembly, installation positioning instructions to ensure the installation in place and air tightness.
 - Double-sided air intake, smoother breathing, larger air intake area, lower resistance, double-sided air intake, to ensure the effective use of filter.
- Application: Installed on the TPE half mask and used in conjunction with CG295 series filter.
- Material: PP

CG51 Pre Filter Cover



- Model: CG51
- Order No.: CG640723003
- Product Description:
 - Buckle installation design, convenient and quick installation and disassembly, installation positioning instructions, to ensure the installation in place, to ensure air tightness.
 - Larger air intake area and lower resistance ensure the effective use of filter.
- Application: Used to fix CG395 Pre filter on CG501 series filter.
- Material: PP

CG81 Filter Holder



- Model: CG81
- Order No.: CG640723002
- Product Description:
 - Buckle installation design, convenient and quick installation and disassembly, good air tightness.
 - Larger air intake area and lower resistance ensure the effective use of filter.
- Application: Used to fix CG195 Particulate filter on CG800 series filter.
- Material: PP

KN95 Mask



- Model: C9501
- Order No.: 520122499
- Product Description:
 - Structure and composition: Composed of a mask body (5 layers), a mask strap and a sponge strip for the bridge of the nose.
 - Main material: The inner and outer layers are made of non-woven fabric, and the middle filter layer is made of polypropylene melt-blown fabric.
 - Individually packed, 20pcs in a box.
 - The use of fine denier and soft fibers makes it easy to fit and comfortable to wear. The PU sponge strip is designed to effectively keep sealing and enhance comfort when wearing. The overall mask has strong air permeability, fits the face and is airtight.
 - It is suitable for filtering non-oily particles, filter efficiency > 97%, breathing resistance < 170Pa, afterburning time < 5s, headband can withstand 10N continuous 10s tension without breaking or slipping, binocular field of vision > 65%.
 - Executive standard: GB2626-2019 KN95 respiratory protection self-priming filter anti-particulate respirator.
- Application: Suitable for the protection of non-oily fine particles, including smoke, smog, microorganisms, dust, sand, pollen, etc., used for occupational protection, epidemic prevention, droplet transmission, smog protection, dust protection, outdoor activities and other protection.
- This product is not suitable for protection against harmful gases and vapors and the workplaces with open flames such as welding, casting, smelting, etc.
- Precautions: Please do not use if the package is damaged; it is only for one-time use by one person, use it immediately after opening; when the respiratory resistance increases significantly during use, it should be replaced in time.