



Protect

Protect people at work

• Shocks

• Noise

• Gas and vapours

• Projectiles

• Particles

• Radiation

• Falls

Detect

Detect to avoid disasters

• Toxic gases

• Combustible gases and vapours

• Oxygen

• Heat

Escape

Escape for emergency situations

• Toxic gases and vapours

• Particles

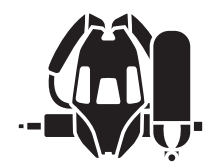
• Fumes

• Oxygen deficiency

MSA – The Safety Company

With operations on 5 continents, over 40 international locations and hundreds of distribution partners around the globe, MSA offers a unique range of safety products for a large number of industries.

Supplied Air Respirators



Air-Purifying Respirators



Head, Eye, Face, Hearing Prot.



Fall Protection



Portable Gas Detection



Fixed Gas & Flame Detection



Thermal Imaging



Trust & Durability

For more than 100 years our passionate mission of safety empowers us, "The SafetyCompany", to protect lives.

We are committed to providing the latest in innovative, best-in-class safety solutions that feature integrated systems capability and allow our customers to return safely to their families and friends.

Every day our customers place their lives in our hands. In response, we provide them with protection they can trust, and their stories become our stories. Hand in hand we partner with our customers to earn that trust.

At MSA, every life has a purpose.

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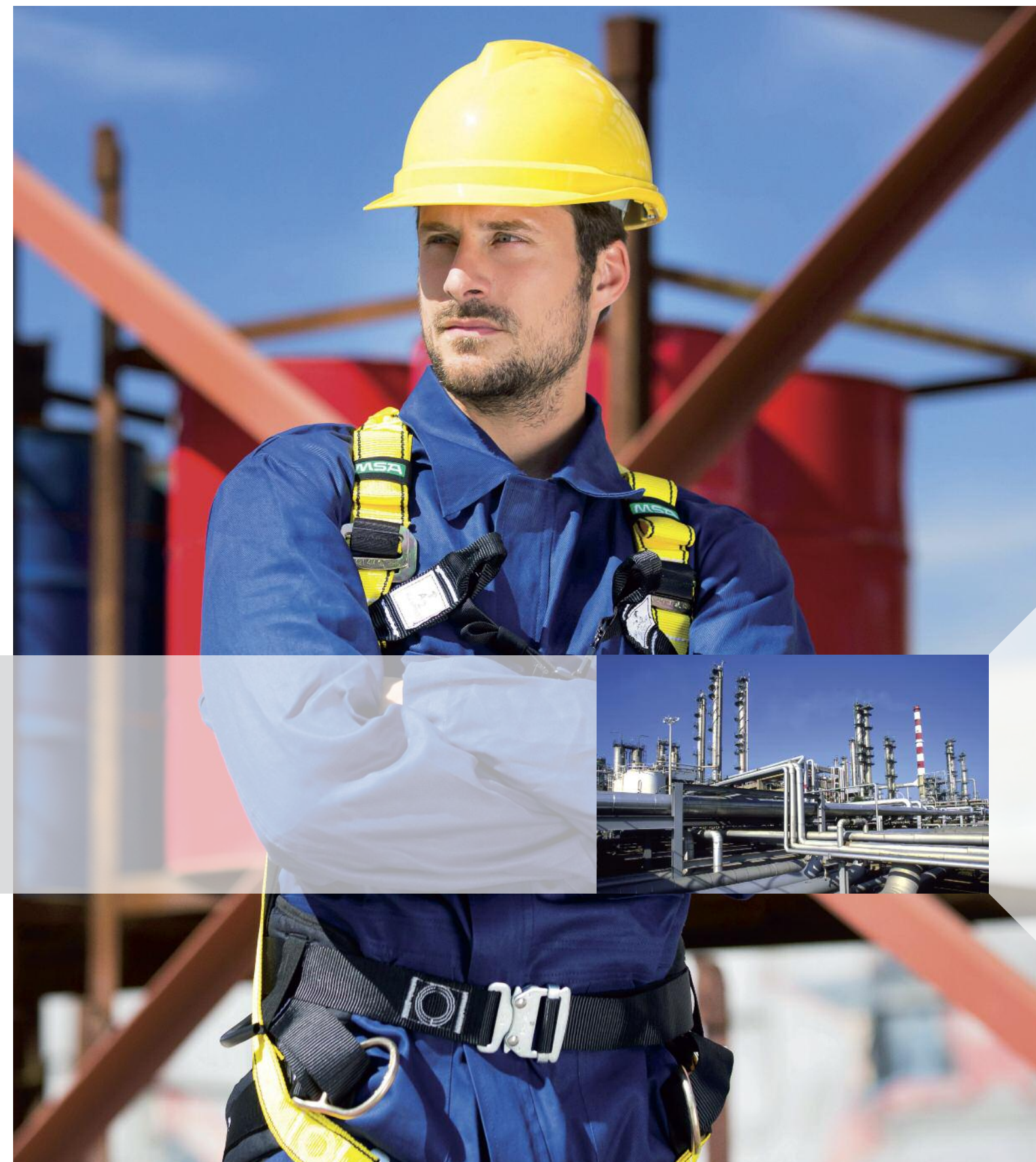
For contact details of your local MSA affiliate, please visit our website.

MSAsafety.com

MSA Safety Solutions

for Industry

MSA
The Safety Company



MSA – The Safety Company

More than 100 years of experience and capability in comprehensive safety solutions have made MSA a modern and forward-looking company for the protection of people, facilities and the environment.

MSA is a leading provider of innovative and sophisticated products that enhance the safety and health of workers throughout the world, including many industrial applications:

- Construction
- Iron & Steel
- Water Purification
- Electrical Applications & Working at Heights
- Chemical Industry
- Petrochemical & Offshore Industries
- Manufacturing & Handling Industries

Critical to MSA's mission is a clear understanding of customer processes and safety needs.

MSA dedicates significant resources to research, which allows the company to develop a keen understanding of the specific safety requirements for a diverse range of markets.

Providing the best products, services and support protecting the health and safety of people in the workplace. That's MSA's commitment.

Because every life has a purpose...

Head Protection



Industrial Helmets

Head protection system and accessories

Falling objects, shocks, liquid splashes, electrical hazards

- Use of lifting devices, retrieval of items stored high off the grounds, handling of materials, cable breaking, earthworks



Firefighting & Rescue Helmets

Multifunctional firefighting helmets

Falling objects, fire, flame, fumes

- Firefighting in buildings, tunnels or forest fires, traffic collisions, rescue in hazardous environments

Face Protection



Browguards & Visors

Visors for helmet or headgear adaptation

Impacts, chemical splash, high temperatures, short circuit electric arc, ultraviolet and infrared light

- Handling of hazardous materials, grinding, cutting, varnishing, maintenance of electrical installations

Hearing Protection



Electronic/FM & Passive Ear Muffs

Ear muffs, helmet-mounted ear muffs, foam and banded plugs

Noise, isolation

- High-pressure cleaning, sandblasting, concreting, road surfacing, use of portable electrical, thermal or hydraulic machinery, pneumatic drilling, roadworks

Eye Protection

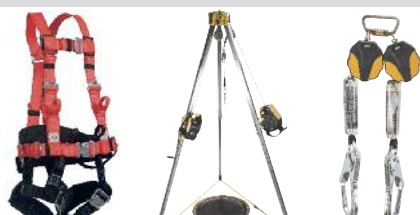


Safety Spectacles & Goggles

Shocks, particles, grains of sand, metal shavings, ultraviolet radiation, liquid or acid splash

- Machining, varnishing, polishing, tightening, assembling, quality review, outdoor activities, handling of hazardous materials

Fall Protection



Fall Protection Equipment

Fall protection equipment and fall arrest systems

Falls from heights

- Confined space, search and rescue, rope access, telecommunications, oil and gas, wind energy, general industry

Respiratory Protection



Air-Purifying Respirators (17% > O₂ > 21%)

Filtering face pieces, half masks and full face masks with particle, gas or combined filters, powered air-purifying respirators

Iron dust, wooden dust, asbestos, silica dust, phytosanitary products, fumes, gas and vapours

- Grinding, sanding, cutting, sweeping, sawing, bagging, machining, welding, brazing, plastering, insulation installation, pharmaceuticals, industrial processes, asbestos environments



Supplied Air Respirators

Breathing apparatus, airline systems

Oxygen deficiency, containment

- Work in confined spaces, work in extreme temperature conditions (cold room, furnace...), sewer operations, tank or silo cleaning, streamlining

Gas Detection



Single-Gas & Multi-Gas Detectors

Especially developed for industrial applications

Combustible gas, O₂, CO, H₂S, SO₂, NO₂, NH₃, Cl₂, ClO₂, NO, HCN, PH₃, CO₂, VOCs

- Confined space, general leak detection, tank maintenance, trenching, manufacturing process emission, refining process, waste/water treatment



Automated Test System

Simple & intelligent testing & calibration

Offers high performances as either a stand-alone unit or an integrated portable detector management

- Field testing, maintenance workshops, Health and Safety Managers from any industry



Fixed Gas Detection

Wall mounted controller and gas monitors

Combustible gases, toxic gases (H₂S, CO, NH₃, Cl₂), oxygen deficiency

- Monitoring of toxic and flammable gases in boiler rooms, engine test beds, and biofuel plants

Gas Detection



Fire & Gas Warning System

SIL systems and Fire & Gas detectors

Combustible gases, toxic gases (H₂S, CO, NH₃, Cl₂), oxygen deficiency, fuel fires, flammable waste

- Monitoring of toxic, flammable gases and fires in petrochemical industries (transport, gas storage, refineries, chemical plants)

Flame Detection



Flame Detector

Multi-IR or UV-IR detector

Hydrocarbon fires and gas fires

- Monitoring and detection of flame in aviation hangars, oil rigs, hydrocarbon storehouses, gas carriers and pressure stations

Environment



Refrigerant Leak Detection Monitor

IR photoacoustics technology

Refrigerant fluids, hydrocarbon vapours

- Monitoring of refrigerant concentrations in cold storage installations (food cold storage and air-conditioning), engine test beds

Heat Detection



Thermal Imaging Cameras

Video transmission in option

Hot points, outbreaks

- Fire attack, incident control, hazardous materials, ventilation, search and rescue, wild fires, fire watch

Air-Purifying Escape

(O₂ between 17 and 21 vol %)



Filter Escape Device

Disposable escape device, 5 minutes

Toxic gases or vapours

- Laboratories and factories, storage and transportation of toxic gases or liquids, gas networks, high pressure valves, refrigeration equipment



Smoke & Gases

Escape hood, 15 minutes

Smoke and gases generated by fires (CO), particles

- Rescue teams, escape device for hospitals, rest-homes, hotels, office buildings or assembly rooms

Supplied Air Escape

(O₂ > 21 vol % or < 17 vol %)



Compressed Air Escape Breathing Apparatus

Compressed air, constant flow, escape breathing apparatus, 15 minutes

Toxic gases or fumes, oxygen deficiency, particles

- Urgent escape from hazardous areas: boats, chemical plants, refineries, water purification plants



Self-Contained Breathing Apparatus

Self-contained breathing apparatus for emergency escape

Oxygen deficiency

- On ships or industrial facilities



Chemical Oxygen Self-rescuer

Oxygen self-rescuer, 20, 30 or 60 minutes

Oxygen deficiency

- Carriage of dangerous substances, nuclear power stations, oil rigs, silos, construction and working on tunnels, water purification areas, waste treatment facilities