

Safety goggles



Eye protection is of major importance in the laboratory. According to the application area and risk assessment different models of eyewear are suitable. From simple laboratory glasses to safety eyewear with frames to gas-tight or autoclavable safety goggles.

Your safety is at stake.

You would like to know more? Simply use your smartphone or tablet to access
www.berner-safety.de/glasses

SAFETY GLASSES

Safety glasses are subject to, like the other parts of personal protective equipment (PPE) in Europe, the EU directive 89/686/EEC or PPE Regulation 2016/425. Only when the requirements of the directive and the particular relevant standards have been fulfilled, a manufacturer is allowed to bring the PPE to the market.

As part of the risk analysis (the key element of health and safety at work) the employer has to assess the hazard potential of individual tasks / activities and provide suitable and tested protective equipment. The employee is then required to wear this equipment for these particular tasks.

The main standard for safety goggles is EN 166 (Personal eye protection- requirements). Depending on the particular field of application which are safety glasses additional EN standards may also be relevant (EN 167 – EN 175, EN 379 and several EN ISO standards on eye optics). Further details and ordering information on the standards can be obtained from your national standards organisation.

AUTOCLAVABLE SAFETY GLASSES FOR GMP-COMPLIANT PRODUCTION

Specially for sterile applications autoclavable safety glasses are now available with an anti-fog coating.

Autoclavable



Safety glasses Super fit CR

First autoclavable safety glasses with "Antifog"-Effect

Professional work safety in laboratories, clinics, cleanrooms etc. For special demands Uvex has developed the first autoclavable safety goggles with anti-fog coating. The glasses are extremely light, flexible soft side arms fits all face shapes well, is very comfortable to wear with a wide field of vision and can be easily combined with further personal protective equipment (PPE). The glasses can be autoclaved repeatedly at a maximum of 121° C.

Product highlights

- + Large field of vision
- + Autoclavable at 121° C
- + Optimum fit
- + Anti-fog
- + Extremely light

To order Uvex Super fit CR

Size	uni
Order No. (1 piece)	121706

Autoclavable



Safety glasses Super f OTG CR

Safety glasses with side protection

The glasses fit perfectly, have a wide field of vision and lateral spray protection. The special XST-templates make these safety goggles comfortable to wear and can be optimally combined with further personal protective equipment (PPE). The safety goggles is also suitable for spectacle wearers. The Super f OTG CR glasses can be autoclaved several times at 121° C.

Product highlights

- + Very large field of vision
- + Autoclavable at 121°C
- + Optimum fit due to XST-arms
- + Anti-fog
- + Can be worn over spectacles

To order Uvex Super f OTG CR

Size	uni
Order No. (1 piece)	121711

Autoclavable



Cleanroom goggles Ultrasonic CR

Autoclavable full vision safety goggles

The full vision safety goggles Ultrasonic CR with indirect ventilation ensure comfortable and irritation-free conditions. Due to the wide field of vision everything at the workplace is always visible at a glance.

The shape of the safety glasses can be easily adjusted using the soft silicone headband and can be optimally adjusted to individual requirements and can be optimally combined with personal protective equipment (PPE).

These glasses are also suitable for spectacle wearers.

Product highlights

- + At 121° C autoclavable
- + Anti-fog coating
- + Suitable for cleanrooms to ISO class 5 (to ISO 14644-1)
- + Or class B in accordance to GMP-guidelines annexe 1
- + For spectacle wearers

To order Uvex Ultrasonic CR

Size	uni
Order No. (1 piece)	121716



Safety goggles 9405

Full vision safety goggles with "anti-fog" in sterile and non-sterile

The completely enclosed full vision safety goggles made by Uvex Safety guarantee optimum protection against mechanical risks, liquids and coarse dust. The flexible soft shape and the adjustable strap offers exceptional comfort, even when worn over spectacles. Especially in combination with respiratory masks these goggles always guarantee a clear vision.

Product highlights

- + Anti fog coating
- + Indirect ventilation
- + Can be worn over glasses

To order Uvex 9405

Size	uni
Order No. (sterile - 1 pc.)	121405
Order No. (non-sterile- 1 pc.)	121406

Pandemic protection



Gas-tight safety goggles Fahrenheit SA

For handling gases and airborne viruses

The 3M full vision safety goggles Fahrenheit SA is comfortable to wear and is suitable for wearing over spectacles and in combination with respiratory masks. The acetate lens gives a good field of vision, high chemical resistance and impact resistant up to 120m/s. Naturally the safety goggles are equipped with an "anti-fog"-coating and 100% UV-filtration. The "SA" version of these safety goggles is gas-tight. The application range of these safety glasses extend from working with chemical substances, which change into the gaseous phase at room temperature to working with dangerous biological agents. For example, these safety goggles correspond to the recommendations made by the German Robert-Koch-Institute (RKI) for anti-infection sets (type 1) for the protection of current epidemics such as Ebola.

To order 3M Fahrenheit SA

Size	uni
Order No. (1 piece)	121730

Pandemic protection



Gas-tight safety goggles Ultravision

For handling gases and airborne viruses

These full vision safety goggles made by Uvex Safety are fundamentally different from other safety goggles. While standard safety goggles have indirect ventilation, the Ultravision model is gas-tight. These goggles are ideal for working with chemical substances, which turn into the gaseous state at room temperature, but they are also suitable for working with hazardous biological agents. These safety glasses meet the specifications of the German Robert-Koch-Institute (RKI) for infection protection sets (type 1) to safeguard against epidemics such as the Ebola outbreak.

Product highlights

- + Gas-tight
- + Anti-fog coating
- + Good protection and comfortable fit

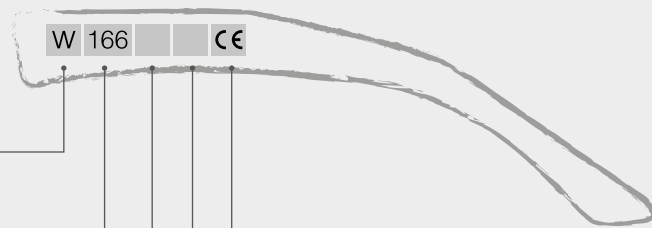
To order Uvex Ultravision

Size	uni
Order No. (1 piece)	121726

Know-how: Safety glasses

MARKINGS FOR SAFETY GLASSES

Marking on frame



Identification code of manufacturer

EN standard number

Application range

Certification mark

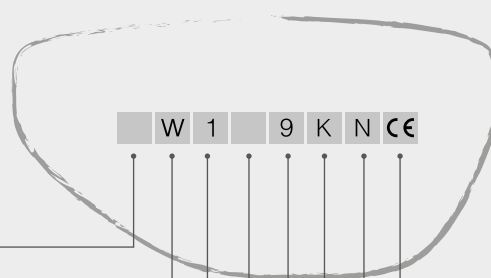
Symbol of resistance from high speed particles

	Designation	Description of application range
none	General use	Non-specific mechanical risks, hazards due to UV- and/or visual IR-radiation
3	Liquids	Liquids (drops and spray)
4	Coarse dust	Dust, grain size >5µm
5	Gas and particulate matter	Gases, vapours, mist, smoke and dust, grain size < 5µm
8	Arc	Electric arcs of short circuits in electrical appliances
9	Molten metal and hot solids	Metal sputtering and penetration of hot solids

Mechanical strength

none	Minimum strength (only filter)
S	Increased strength (only filter)
F	Shock with low energy (45m/s)
B	Shock with medium energy (120m/s)
A	Shock with high energy (190m/s)

Marking of lens



Protection level (filter only)

Identification code of manufacturer

Optical class

Short sign for mechanical rigidity

Certification mark

Anti-fogging mark

Abrasion resistance mark

Mark for non-adherence of molten metal & resistance to penetration of hot solids

	Mechanical strength
none	Minimum strength (filter only)
S	Increased strength (filter only)
F	Shock at low energy (45m/s)
B	Shock at medium energy (120m/s)
A	Shock at high energy (190m/s)