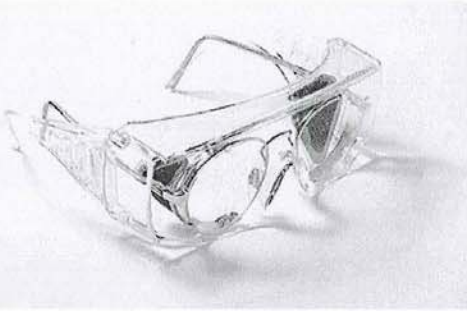


Technical specifications and fields of use

Protective spectacles					
Model 520		Clear polycarbonate without ANTI-SCRATCH treatment Mod. 520.11.00.00			
II category PPE Reference standards EN 166					
Markings U EN166 1 F CE					
Protection against hazards					
Standards	Clause	Description		simbolo	
EN 166	7.2.2	Protection against high speed (45 m/s), low energy particles		F	
Fields of use					
<ul style="list-style-type: none"> Protection against low energy impacts of small particles flying at a speed not exceeding 45 m/s (162 km/h) Protection from UV radiation up to 400 nm Suitable for use as eye- protectors for visitors Specific use as eye protectors in combination with personal corrective spectacles. 					
Technical details			Materials		
Weight 52 g			<ul style="list-style-type: none"> Oculars made of high resistant, anallergic polycarbonate Temples made of anallergic polycarbonate anti-slip Transparents side protections made of polycarbonate 		
<ul style="list-style-type: none"> Large visual field exceeding 220° (vertically) Large and comfortable nose pads Ventilation by means of apertures in appropriate position on side protections side protections integrated in the temples 					
Technical specifications of oculars					
Material	POLYCARBONATE		Minimum thickness at centre mm. 2	Curvature	Base 3
OPTICAL CLASS	1		Absence of spheric, astigmatic and prismatic powers exceeding the permitted tolerances granted		
Filtering performances					
LUMINOUS Transmittance	τ_v 380 – 780 nm	92.5 %	Transmittance in the UV range	τ_{max} UVB (280 – 315) nm	less than 0.001 %
Trasmittanza INFRAROSSI	τ_{SIR} 780 – 2000 nm	90.5 %	Transmittance in the UV range	τ_{max} UVA (315 – 350) nm	less than 0.001 %
BLUE LIGHT	BLU τ_{LB} 380 – 500 nm	83 %	Transmittance in the UV range	τ_{UV} (τ_{SUV}) 400 nm	less than 0.08 %
Filter suitable for road use					
RECOGNITION OF RED, YELLOW, GREEN AND BLUE SIGNALS	Q_{RED}	100 %	Q_{GREEN}	100 %	
	Q_{YELLOW}	100 %	Q_{BLUE}	100 %	



Univet S.r.l. Via Magnolini, 14 25135 Brescia

Tel.+39 0303690111 fax +39 0303690130

EYE PERSONAL PROTECTION EQUIPMENT (PPE)

User Information Note in accordance with Annex II, section 1.4, of the European Directive 89/686/CEE

GENERALITIES

Personal Protective Equipment (hereinafter defined PPE) for professional use must meet the prescriptions of the European Directive 89/686/CEE.

REFERENCE STANDARDS

The applicable harmonized Standards, associated with the European directive 89/686/CEE, are:

- EN 166:1995 – "Personal eye protection – Specifications";
- EN 167:1995 – "Personal eye protection – Optical test methods";
- EN 168:1995 – "Personal eye protection – non-Optical test methods";

TESTING

The conformity of PPE is particularly verified against the applicable clauses of the reference standards concerned with:

- General construction;
- materials;
- dimensions;
- headband ;
- transmission properties;
- refractive powers;
- quality of materials and surface defects;
- light diffusion;
- stability to UV radiation;
- stability to high temperatures (55±2)°C;
- resistance to corrosion;
- resistance to ignition;
- minimum robustness of filters;
- increased robustness of filters and housings;
- protection against optical radiations;
- protection against high speed particles;
- protection against droplets and splashes of liquids;
- protection against large dust particles;
- protection against gases and fine dust particles;
- protection against short circuits electric arc;
- protection against molten metals and hot solids;
- resistance of oculars to damage by fine particles;
- resistance of oculars to fogging.

CE CERTIFICATION

INSPEC Laboratories Limited - 56 Leslie Hough way – Salford- Greater Manchester – M6 6AJ -ENGLAND.

INSTRUCTIONS AND WARNINGS

FOR A CORRECT USE

The user is invited to:

- check carefully, before use, that damages are not present either on filters (scratches or pits) or on the frame of PPE to such extent to reduce mechanical resistance or correct vision;
- check carefully that the selected PPE is suitable for the intended use;
- to find, before use, the best position for eventual, adjustable components to get the best fit (if necessary, try several different adjustments);
- move suddenly the head right and left, front and rear, several times: adjustable parts shall not change position and PPE shall stay on the head;
- always wear PPE, when working conditions request.

Warning

- Oculars of optical class 3 are not suitable for a prolonged use.

For maintenance and storage:

The high quality of these PPE depends also on the accurate process controls in use at UNIVET: PPE are statistically tested to destruction in accordance with the annealing test methods detailed into the reference standards. The high quality allows clearly to state that PPE by UNIVET have a lifetime not less than similar products. It is undoubtedly difficult to define, "a priori" a lifetime for a PPE: this will strongly depend on the use. Statistics allow us to expect a reasonable lifetime of three years for the PPE, upon the condition that it is subjected only to the intended use, in complete compliance with these written instructions.

The user shall:

- store PPE, when not in use, should be stored in its original case, at room temperature between +5° and +30°C, free of organic vapours;
- keep PPE in their original envelope/case, to prevent damages during transport or handling;
- not expose PPE to the sunlight or UV radiation for a prolonged period;
- keep out of chemical products, fumes or vapours;
- clean regularly PPE after use.

For Cleaning:

- do not expose PPE to direct solar radiation during cleaning;
- use only anti-scratch and soft cloth to dry the goggles;
- clean and rinse in warm soapy water;
- do not use abrasive or strongly alkaline materials;
- DO NOT USE ORGANIC LIQUIDS SUCH AS GASOLINE OR ALCOHOLS.

REPLACE PPE IF DAMAGES SUCH AS SCRATCHES ARE PERMANENTLY VISIBLE ON THE PPE SURFACES OR IF THE COLOUR OF OCULARS HAS UNDERGONE EVEN MINOR VARIATION. CRACKS OR SCRATCHES REDUCE VISION, SERIOUSLY REDUCE PROTECTION. PPE SHOULD BE REPLACED AFTER ANY RELEVANT IMPACT OR DAMAGE.

MATERIALS

- Materials used allow efficient cleaning and disinfection.
- Materials which may come into contact with the wearer's skin could cause allergic reactions to susceptible individuals.

MORPHOLOGY

PPE are designed to fit the largest range of users. Some PPE are also equipped with size adjusting devices, to improve fit.

Replaceable parts

Replaceable oculars, for each class protection, must be supplied by: UNIVET Srl via Magnolini 14 Brescia Italy.

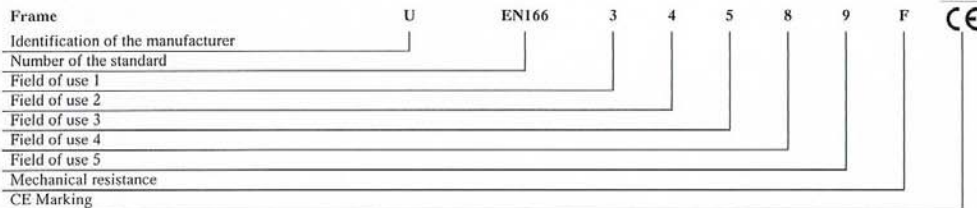
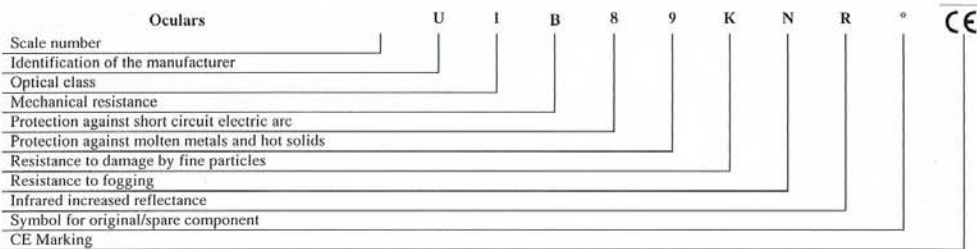
MARKING

Marking of PPE consists of one or more sequence of symbol. Figures below give the meaning of applicable symbols.

Oculars and frames shall be individually marked, in general.

Marking just below is only a general example, to show the meaning and the sequence of each element of marking

The marking of a particular PPE is given into a specific technical sheet.



Symbol	Meaning	Applicability on Oculars	Applicability on the frame
S	Increased robustness	yes	no
F	protection against high speed particles – low energy	yes	yes
B	protection against high speed particles – medium energy	yes	yes
A	protection against high speed particles – high energy	yes	yes
T	follows A, B, F if the test of protection against high speed particles is successfully passed after PPE has been subjected to conditioning at "extreme" temperatures	yes	yes
K	Symbol for resistance of oculars to damage by fine particles;	yes	no
N	Symbol for resistance of oculars to fogging	yes	no
R	Symbol for infrared increased reflectance	yes	no
°	Symbol for original ocular	yes	no
∇	Symbol for spare ocular	yes	no
3	Protection against droplets and splashes of liquids	no	yes
4	Protection against large dust particles	no	yes
5	Protection against gases and fine dust particles (<5 µm)	no	yes
8	Protection against short circuits electric arc	yes	yes
9	Protection against molten metals and hot solids	yes	yes



Univet S.r.l. Via Magnolini, 14 25135 Brescia
Tel.+39 0303690111 fax +39 0303690130

DECLARATION OF CONFORMITY

(pursuant to art. 11 of D.L. no. 10 of 2nd january 1997, n° 10)

The following manufacturer based in the EC

UNIVET S.r.l.
Via Magnolini, 14 25135 Brescia

Hereby states that the PPE identified below:

EYEWEAR

Protection against high-speed particles - Low energy impact

Model

UNIVET

Mod. **520.11.00.00** clear polycarbonate spectacles without Antiscratch treatment

Complies with the provisions of DIRECTIVE 89/686/EEC- as amended by DIRECTIVES 93/688/EEC -
93/95/EEC - 96/58/EEC - on personal protection equipment, and
ITALIAN DECREE LAWS Nos. 475 (04/12/92) and 10 (02/01/97) enacting them,

for PPE in Class II

and is identical to the PPE covered by EC Certification

99.07.06

Issued On

13/07/1999

by INSPEC Laboratories Limited – 56 Leslie Hough Way – Salford - Greater Manchester M6 6AJ - England

UNIVET S.r.l. Via Magnolini, 14 25135 Brescia, Italy

BRESCIA 04 april 2000

UNIVET S.r.l.

L'Amministratore Unico
Ing. A. PORTESI