



UNIVET
OPTICAL TECHNOLOGIES



EYE
PROTECTION

UNIVET OPTICAL TECHNOLOGIES

The Italians are the inventors of the glasses.

The manufacturing tradition was born in Venice where in the 13th century, it was already active a production of glasses for reading eyewear.

In Italy there is the largest district in the world of glasses which owns a world share of 25%, a total of 900 companies where few multinationals are leading, alongside a multitude of smaller players highly specialized in the manufacturing of components.

Univet is a unique case because, despite being a medium-size company, it is a vertical manufacturer in various fields (Safety, Laser, Loupes, Clean Room) and it competes with international giants while in less than 20 years has become the national leader and one of the major players in the world.

The Italians have the merit of having turned a semi “medical device”, as the glasses were considered only few years ago, in an indispensable accessory that is today part of everyone’s identity.

The sociologist Dario De Vico wrote that this was possible by introducing “the added value of the brand, bringing the glasses directly into the world of fashion”. Univet started 20 years ago by producing glasses, as a subcontractor, for the fashion industry. Thanks to this very educational experience, Univet then decided to transfer to safety glasses the concepts of style, quality and Italian design, typical of fashion eyewear, a pioneering intuition also because, at the end of the nineties, in Italy there was no manufacturer of specific individual protective devices dedicated to the eyes.

TECHNOLOGIES

New technologies, components, materials and coatings grant superior performance in different sectors and dedicated applications.

Innovation and technology, as well as research of design and new shapes, make Univet models unique and immediately recognizable.

Attention to details, both functional and aesthetical, allows the perfect combination between comfort and style, appeal and wearability.

We put the utmost passion and enthusiasm in what we do and our story of success proves it.

We create scientific contents in the different areas, to improve the culture of the various specific applications.

UNIVET
OPTICAL TECHNOLOGIES **DESIGN**

Univet is a world-class excellence in the eyewear design. In 2015 Univet received the first prestigious Red Dot Award, for the 6X3 protection goggle, in the category "Industrial and Crafts". Red Dot is one of the most renowned design awards in the world. In 2016 the second Red Dot Award came, with the Loupes "One," in a different and much more competitive category: "Life Science and Medicine". In 2017 the third Red Dot running, as just eight other companies in the world, for Univet 5.0, the Safety smart-glasses incorporating the holographic technology from Sony. After three Red Dots, another important award: "One" also won the iF Design Award 2017, another international symbol of excellent design. Univet has received also two German Design Awards in 2018: a "Special Mention" for the Loupes One in the category "Medical, Rehabilitation and Health care" and "Winner" in the category "Industry" for the protective goggles 6X3, which has also won the award "New Product of the Year 2017" given by the magazine "Occupational Health and Safety".

DESIGN IS:



INNOVATION
VISION AR



ICONIC
6X3



DYNAMIC
5X9



USEFUL
5X7



POWERFUL
5X1



AESTHETICS
546

APPLIED RESEARCH

Univet have always invested in Research and Development: since the early days most of the profit coming from being a subcontractor of the fashion eyewear, was reinvested in what became later the main product of the PPE industry. Because of this strategy the ARLab laboratory was a natural consequence, a laboratory with the aim of continuous innovation, with dedicated and specialized resources. The quality control and the tests required by the several international regulations, are performed in the in-house lab, even with dedicated equipment, specifically designed for the requirements. In the laboratory devices and materials, technologies and coatings are also developed, as well as new products, some of which are patented. Univet is a vertical and integrated company that, thanks to its extraordinary specialization, guarantees flexibility, customization and an ideal productive diversification in various sectors.

ARLab IS:
APPLIED RESEARCH LABORATORY



A terminal designed for the maximum comfort and the total stability



A material which grants high safety and protection for the laser application



Temples with an original design for the perfect combination with earmuffs



It grants the best protection when combined with other PPE



An innovative material for the sterilizable goggles



The elastic band for the immediate adjustments during critical operations





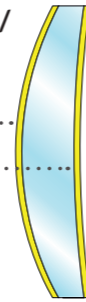
VANGUARD

The Vanguard coatings overwhelmingly exceed the tests prescribed by EN 166, due to their exceptional features: the lenses never fog up and never reach the saturation point.

After the standard test has been carried out, the anti-scratch has an optical lens quality almost equal to the new one and which did not undergo a test. PLUS and UDC coatings have permanent properties even after repeated washings and are ideal for harsh weather conditions and complex working environments.



Anti Scratch/
Anti Fog

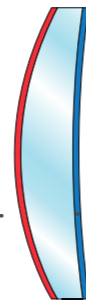


Vanguard plus is the coating to ensure both scratch-proof and anti-fog-proof sides, with K and N certification.

The coating guarantees anti-fog properties 5 times higher than the norms and abrasion resistance more than twice the EN 166 standard.



Anti Scratch Anti Fog



Vanguard UDC is a separate and double coating, Flow Coating Anti Fog inside and Anti Scratch outside, with an exceptional performance and the K and N certification.

The coating guarantees unlimited anti-fog properties and superior abrasion resistance, ideal for the most hostile environments.

CLEAR RFL-X

Anti Glare Filter - Clear

The anti-glare coating consists in a thin layer of mineral salts, or metal oxides, on the ophthalmic lenses, to reduce the residue light reflection which have adverse effects on the sharpness of the perceived images.

NEW



BLUE RFL-X

Anti Glare Filter - Blue

Designed to protect and keep the eye health by blocking the dangerous blue light emitted by computers, and retro-illuminated electronic devices (monitors and tablets with LED or LCD technology); it also helps to reduce visual fatigue due to the artificial light of workplaces.

Coating available only for protection systems with Polycarbonate prescription lenses.

NEW



POLAR-X

Polarized Filter - Smoke

The polarizing coating consists of a series of filters applied on the ophthalmic lens that modulates the light with the aim of cancelling the discomfort caused by the diffused light and by the light reflected from the surfaces.

Improves the vision / Guarantees better visual performance / Reduces fatigue / Reduces the reflections

NEW



DYNAMI-X

Photocromatic Filter

The lenses with the photochromic coating exposed to UV radiation start a reversible chemical reaction becoming dark. Once the irradiation of UV rays disappears, the lenses gradually return at their initial state of transparency.

NEW



LENS SELECTION



Clear POLYCARBONATE
The clear vision lens

- FEATURES:
- Protects against impacts and UV radiations
 - Can be used for prolonged periods as it does not create distortion or fatigue
 - No colour distortion
 - Available UV400 version for an increased UV protection
 - Mirrored version (FM) gives protection from glare

APPLICATIONS:
Mechanical work in good visibility conditions

STANDARDS: EN166/EN170
MARKING: 2C-1.2
VLT: 89%



Clear CR39
The clear vision lens

- FEATURES:
- Good protection against scratches
 - Excellent protection against chemical agents
 - No colour distortion

APPLICATIONS:
Chemical laboratories

STANDARDS: EN166/EN170
MARKING: 2C-1.2
VLT: 89%



Clear GLASS
The clear vision lens

- FEATURES:
- Good protection against scratches
 - Excellent protection against chemical agents

APPLICATIONS:
Chemical laboratories, painting, environments with abrasive suspended particulate

STANDARDS: EN166
MARKING: -
VLT: 89%



Clear ACETATE
The clear vision lens

- FEATURES:
- Superior performance of the anti-fog treatment also on the outer surface of the lens
 - Very good resistance to chemicals and solvents
 - Impact resistance marking F (45 m/s)

APPLICATIONS:
Chemical laboratories, painting, environment with high humidity

STANDARDS: EN166
MARKING: 2C-1.2
VLT: 89%



SMOKE
The solar lens

- FEATURES:
- Protection against impacts, UV radiations and visible light
 - **For sunlight and glare condition**
 - Good colour recognition – TSR (Traffic Signal Recognition)
 - **Flash Mirror version with a mirrored coating for a better protection from glare**

APPLICATIONS:
Outdoor works, mechanical work with risk of glare

MODELS:
5X7, 505UP, 513, 516, 568, 568H, 6X1
versione FM: 5X3, 546, 554

STANDARDS: EN166/EN170/EN172
MARKING: 2C-2.5/5-2.5, 2C-3/5-3.1
VLT: 16%
SUNGLASS EQUIVALENCE: Shade 3



IR 1.7/3/4/5/6/7
The welding lens set

- FEATURES:
- Protection against impacts, UV and infrared (IR) radiations and glare produced by **welding processes**

APPLICATIONS:
• IR 1.7 welder's aid
• IR 3, 4 brazing, gas welding
• IR 5, 6, 7 gas welding, flame cutting

MODELS:
• IR 1.7: 5X7, 5X9, 539
• IR 3: 5X1, 5X3, 5X7, 5X9, 511, 539
• IR 4: 5X9
• IR 5 PC: 5X1, 5X3, 5X7, 5X9, 511, 539, 541, 566, 601, 603, 604, 607
• IR 5 VTR: 540, 566, 567, 603, 604, 618
• IR 6: 5X9
• IR 7: 5X9

STANDARDS: EN166/EN169
MARKING: 1.7, 3, 4, 5, 6, 7
VLT:
IR 1.7: 45%, IR 3: 16%
IR 4: 6%, IR 5: 2%,
IR 6: 0.6%, IR 7: 0.2%



BLUE IR
The IR protection lens set

- FEATURES:
- Protection against infrared (IR) radiations
 - Absorbs yellow-orange radiations
 - **Reduces glare caused by molten glass or metal**

APPLICATIONS:
• IR 4-2 glassworks – furnace work
• IR 4-5 glassworks, metallurgy, foundries – casting control

MODELS:
• IR 4-2: 5X9
• IR 4-5: 5X9, 540

STANDARDS: EN166/EN171
MARKING: 4-2, 4-5
VLT:
IR 4-2: 40%
IR 4-5: 1%



POLAR-X
The anti-reflection lens

- FEATURES:
- **Blocks luminous radiation depending on its polarization, stopping annoying reflections**
 - Good perception of contrasts and clear vision
 - Less eye strain
 - 100% UV protection

APPLICATIONS:
Outdoor work, construction sites, road works, driving vehicles, oil platforms

MODELS: 5X9 SPORT

STANDARDS: EN166/EN170/EN172
MARKING: 2C-3/5-3.1
VLT: 16%
SUNGLASS EQUIVALENCE: Shade 3



YELLOW
The enhanced contrast lens

- FEATURES:
- Protection against impacts, UV radiations and blue light (up to 480nm)
 - Sharpens visual acuity in conditions of low visibility
 - **Enhances the contrast**

APPLICATIONS:
Surface inspection, mechanical work, ultra-violet light, work inside galleries, bad atmospheric conditions, shooting

MODELS:
5X1, 5X6, 5X8, 505UP, 554, 557, 568, 553ZN

STANDARDS: EN166/EN170/EN172
MARKING: 2C-1.2, 2C-1.2/5-1.4
VLT: 86%
SUNGLASS EQUIVALENCE: Shade 0



ORANGE
The UV525 blocking lens

- FEATURES:
- Protection against impacts, UV radiations
 - **Protects against blue light up to 525nm**
 - Enhances the contrast in low light condition

APPLICATIONS:
Surface inspection, mechanical work, ultra-violet light, vulcanization, work with curing light lamp

MODELS: 5X3, 5X7, 546

STANDARDS: EN166/EN170
MARKING: 2-1.7
VLT: 55%
SUNGLASS EQUIVALENCE: Shade 1



BLU SMART MIRROR
The relaxing lens

- FEATURES:
- Protection against impacts, UV radiations (absorbs > 99,9% of the rays up to 400nm)
 - Protection against glare
 - **Reduces eye fatigue in environments with predominance of yellow light**

APPLICATIONS:
Mechanical work, works using incandescent/fluorescent lamps or sodium vapor lamps, outdoor work

MODELS: 505UP

STANDARDS: EN166/EN170
MARKING: 2C-1.7
VLT: 49%
SUNGLASS EQUIVALENCE: Shade 1



BROWN
The linear protection lens

- FEATURES:
- Protection against impacts, UV radiations and visible light
 - For sunlight and glare condition
 - Good colour recognition - TSR (Traffic Signal Recognition)
 - Linear spectral transmittance
 - **Allows a better adaptation of the eye to changes in light condition**

APPLICATIONS:
Outdoor work, mechanical work with risk of glare

MODELS: 5X3, 505UP, 557

STANDARDS: EN166/EN170/EN172
MARKING: 2C-3/5-3.1
VLT: 16%
SUNGLASS EQUIVALENCE: Shade 3



AMBER
Intense Light Protection

- FEATURES:
- 100% protection against UV radiations
 - 100% protection against blue light (up to 530nm)
 - Perfect protection in bright sunlight
 - **Excellent protection against glare produced by intense light sources**

APPLICATIONS:
LED sources manufacturers (quality control), IPL (staff and patients), ophthalmology post-surgery, use of lamps emitting blue light: Wood's lamp, germicidal lamp

MODELS: 5X3, 5X7

STANDARDS: EN170
MARKING: 2-5
VLT: 1.7%
SUNGLASS EQUIVALENCE: -



IN/OUT
The anti-glare clear lens

- FEATURES:
- Multilayer reflective coating deposited on the outer surface of the lens
 - **Protects against glare and provides high visibility in extreme conditions**

APPLICATIONS:
Fork lift truck, mechanical work, work with transition between dark and bright environments

MODELS: 5X1, 5X6, 5X7, 5X8, 553ZN

STANDARDS: EN166/EN170/EN172
MARKING: 2C-1.7/5-1.7
VLT: 55%
SUNGLASS EQUIVALENCE: Shade 1



G15
The natural vision solar lens

- FEATURES:
- **Solar Lens designed on the basis of the spectral luminous efficiency curve of the human eye**
 - Very relaxing
 - Perfect colour recognition (TSR)

APPLICATIONS:
Outdoor work, construction sites, road works, driving vehicles

MODELS: 5X1, 5X4, 5X6, 5X8, 5X9 SPORT, 506UP, 508, 553ZN

STANDARDS: EN166/EN170
MARKING: 2C-3/5-3.1
VLT: 15%
SUNGLASS EQUIVALENCE: Shade 3



UVR
The global filter UV-IR-SUN

- FEATURES:
- 100% UV protection
 - Optimal protection against IR radiations
 - High VLT for good visibility in dark environments
 - Good colour recognition (TSR)
 - Solar protection

APPLICATIONS:
Glasswork, quality control, foundry, Artificial Optical Radiations (AOR)

MODELS: 5X7, 5X9, 539

STANDARDS: EN166/EN169/EN170/EN171/EN172
MARKING: 1.7/2C-1.7/4-1.7/6-1.7
VLT: 46%
SUNGLASS EQUIVALENCE: Shade 1

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GOGGLES



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FACE SHIELDS



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WELDING-IR



LENSES'S COATINGS MAP

Symbology	Coating	Product Marking
	Vanguard UDC	KN
	Vanguard PLUS	KN
	Anti-Scratch Plus	K
	Anti-Fog Plus	N
	Anti-Scratch	-
	Anti-Fog	-

X-GENERATION



Innovative solutions designed to revolutionise the safety eyewear market: from the combination of ergonomics, style and quality comes the exclusive Univet X-Generation line.

Aggressive design and attention to detail have been applied for the first time to protection equipment, providing the operator optimal comfort with no points of pressure on the face, X-Generation is the new frontier in safety eyewear.

The result of careful analysis, not only in quality of materials and design but also in ergonomics, guarantee these spectacles the highest adaptability to each user thanks to their exclusive frame.

5X1

29 g

VANGUARD PLUS

SoftPad technology



TOTAL VERSATILITY

- ◆ Adjustment of temples with SoftPad technology
- ◆ Lens with FLD (Floating Lens Design) technology
- ◆ Patented nose pad in anallergic rubber, with height adjustment
- ◆ Fast interchangeable elastic band and lenses system
- ◆ Easy assembly of the rubber gasket
- ◆ Corrective version available (Caliber: 55 21)
- ◆ Gasket version certified according to EN166 point 3 (droplets and splashes)



5X1.03.00.00
 Frame: dark grey/green
 Lens: clear
V PLUS UV400

5X1.03.00.05
 Frame: dark grey/green
 Lens: G15
V PLUS UV400

5X1.30.00.00
 Frame: dark grey/green
 Lens: In/Out
 UV400

5X1.04.00.00
 Frame: dark grey/green
 Lens: clear Hydrofobic
HOD UV400

5X1.40.02.00
 Frame: black/orange
 Lens: clear RFL-X

5X1.00.00.03
 Frame: dark grey/green
 Lens: yellow
 UV400

5X1.00.00.30
 Frame: dark grey/green
 Lens: green IR3

5X1.00.00.50
 Frame: dark grey/green
 Lens: green IR 5

5X1.K1.00.00
 Frame: gun metal/grey
 Field of use: 3

5X1.K2.03.00
 Lens: clear
V PLUS UV400

5X1.K2.03.05
 Lens: G15
V PLUS UV400



X-GENERATION

5X3

31 g

VANGUARD UDC VANGUARD PLUS



HIGH TECHNOLOGY

- Exclusive VANGUARD UDC coating
- Lens with FLD (Floating Lens Design) technology
- Frame engineered to cushion the contact points on the face
- Extended 9 base wraparound lens, provides extra coverage around the eyes
- Ventilation system
- The spectacle fits the face without adjustments



5X3.01.35.00
Frame: black/green
Lens: clear
+



5X3.03.33.00
Frame: black/orange
Lens: clear
UDC



5X3.12.35.02
Frame: black/green
Lens: smoke FM
+ UV400



5X3.03.33.04
Frame: black/orange
Lens: orange
UDC UV525



5X3.03.33.08
Frame: black/orange
Lens: brown
UDC UV400



5X3.03.33.09
Frame: black/orange
Lens: amber
UDC UV400



5X3.03.35.30
Frame: black/green
Lens: green IR3
PLUS



5X3.03.35.50
Frame: black/green
Lens: green IR5
PLUS

X-GENERATION

5X4

27 g

VANGUARD
PLUS



5X4.03.30.05
Frame: black painted
Lens: G15
VPLUS UV400



5X4.03.40.00
Frame: red painted
Lens: clear
VPLUS UV400



5X4.13.10.00
Frame: blue painted
Lens: clear FM
UV400

ITALIAN STYLE

- ◆ Extreme care of details and excellent ergonomics for a trendy and comfortable model
- ◆ Anallergic nose pad for comfort without slippage
- ◆ Wraparound lens design provides extra side coverage
- ◆ The exclusive painted frame confers elegance and style



X-GENERATION

5X6

26 g

VANGUARD PLUS

softpad technology



SPORTY DESIGN

- Sporty and wrap-around design
- Lens with FLD (Floating Lens Design) technology
- Light and comfortable device, ideal for prolonged use
- Adjustment of temples in length with SoftPad technology
- Adjustable soft and anatomical nose pad





5X6.01.00.00
 Frame: black/orange
 Lens: clear





5X6.03.11.00
 Frame: gun metal/green
 Lens: clear
 



5X6.03.00.05
 Frame: gun metal/green
 Lens: G15
 



5X6.31.11.00
 Frame: gun metal/green
 Lens: In/Out




5X6.03.00.03
 Frame: black/orange
 Lens: yellow
 



X-GENERATION

5X7

37 g

VANGUARD PLUS

SoftPad technology



THE ULTIMATE OVERSPEC

- ◆ The ultimate OTG to prescription spectacles
- ◆ The careful design of the frame prevents the overlapping of the temples for an absolute comfort
- ◆ Adjustment of temples in length with SoftPad technology
- ◆ Wide range of filters



5X7.01.00.00
 Frame: black/orange
 Lens: clear
 UV400



5X7.03.11.00
 Frame: gun metal/green
 Lens: clear
 PLUS UV400



5X7.40.00.00
 Frame: black/orange
 Lente: clear RFL-X
 UV400



5X7.31.11.00
 Frame: gun metal/green
 Lens: In/Out
 UV400



5X7.01.11.02
 Frame: gun metal/green
 Lens: smoke
 UV400



5X7.01.00.09
 Frame: black/orange
 Lens: amber
 UV400



5X7.03.00.04
 Frame: black/orange
 Lens: orange
 PLUS UV525



5X7.01.11.47
 Frame: gun metal/green
 Lens: UVR
 UV400



5X7.01.11.17
 Frame: gun metal/green
 Lens: green IR1.7
 UV400



5X7.01.11.30
 Frame: gun metal/green
 Lens: green IR3
 UV400



5X7.01.11.50
 Frame: gun metal/green
 Lens: green IR5
 UV400



X-GENERATION

5X8

29g

VANGUARD PLUS

SOFTPAD technology




EFFECTIVE PROTECTION

- ◆ Over-moulded nose pad for comfort without pressure
- ◆ Adjustment of temples in length and inclination with SoftPad technology
- ◆ Winning and ergonomic line to adapt to all users





5X8.01.00.00
 Frame: black/orange
 Lens: clear





5X8.03.11.00
 Frame: gun metal/green
 Lens: clear
 



5X8.03.00.05
 Frame: gun metal/green
 Lens: G15
 



5X8.31.11.00
 Frame: gun metal/green
 Lens: In/Out




5X8.03.00.03
 Frame: black/orange
 Lens: yellow
 



X-GENERATION

5X9

45 g (glass version) / 35 g (polycarbonate version)

VANGUARD PLUS

softpad technology



ELEGANT AND MODULAR

- ◆ Univet project, innovative design
- ◆ Integrated side shields with ventilation system
- ◆ Adjustable temples with SoftPad technology
- ◆ Clear lenses available in different materials
- ◆ Additional flip with protective filters for special applications
- ◆ Available version with Gasket and Elastic band



5X9.01.11.00
Frame: gun metal/orange
Lens: clear PC
⊕



5X9.03.00.00
Frame: gun metal/green
Lens: clear PC
7PLUS



5X9.10.00.00
Frame: gun metal/green
Lens: clear CR39



5X9.20.00.00
Frame: gun metal/green
Lens: clear glass



5X9E.03.00.00
Frame: light smoke
Lens: clear PC
7PLUS



5X9G.00.00
Frame: gun metal/grey



5X9R.00.17
Flip: green IR1.7
⊗

5X9R.00.30
Flip: green IR3
⊗



5X9R.00.40
Flip: green IR4
⊗

5X9R.00.47
Flip: UVR
⊗



5X9R.00.50
Flip: green IR5
⊗

5X9R.00.60
Flip: green IR6
⊗



5X9R.00.70
Flip: green IR7
⊗

5X9R.20.42
Flip: blue IR4-2 glass

5X9R.20.Y3
Flip: blue IR4-5 glass

5X9R.20.Y2
Flip: blue didymium glass

5X9SPORT

NEW

35g

VANGUARD PLUS

softpad technology



SPORT EXTREME

- ◆ Univet project, innovative design
- ◆ Integrated side shields with ventilation system
- ◆ Adjustable temples with SoftPad technology
- ◆ Available with different lens filters:
 - Mirror Green**, maximum shield from solar rays together with an outstanding aesthetics
 - Polar-X** - Smoke Polarized, drastically reduces the glares generated by glossy surfaces
 - G15**, protection from light for a natural vision with an optimal chromatic contrast
 - Dynami-X** - Photocromic, it gradually darkens or lightens depending on the intensity of the ambient light



5X9.04.02.09
Frame: black/green
Lens: green mirror
⊘



5X9.03.02.P2
Frame: black/green
Lens: polar-X
7PLUS



5X9.03.02.05
Frame: black/green
Lens: G15
7PLUS



5X9.01.02.F0
Frame: black/green
Lens: dynamix
⊘



X-GENERATION

6X1

57 g

VANGUARD PLUS

softpad technology



6X1.00.00.00
Frame: gun metal/green
Lens: clear
Field of use: 3 4
V PLUS



6X1.00.00.01
Frame: gun metal/green
Lens: smoke
Field of use: 3 4
V PLUS



6X10.00.99
RX insert

PERFECT HYBRID

- ◆ Wide lens for a field of view without distortion
- ◆ Temples adjustable in length and inclination with SoftPad technology
- ◆ Sophisticated indirect ventilation system
- ◆ Soft internal rubber for comfort without local pressure
- ◆ Certified according to EN166 point 3 (droplets and splashes) and point 4 (large dust particles)
- ◆ Fast interchangeable temples with elastic band (elastic band included)
- ◆ RX insert available



Fast interchangeable temples with elastic band

6X3

75g

VANGUARD UDC NEXXT



reddot design award winner 2015



NEXT GENERATION GOGGLE

- ◆ Panoramic lens can be perfectly worn over prescription glasses
- ◆ Exclusive VANGUARD UDC coating
- ◆ Additional facial support compatible with respiratory masks
- ◆ Indirect ventilation system assures certified protection against drops and splashes
- ◆ Impact resistance at 432 km/h, even at extreme temperatures
- ◆ Protection that is designed to work seamlessly with half-masks



6X3.00.00.00
Frame: gun metal/green
Lens: clear
Field of use: 3 4 9
UDC



6X3.00.00.05
Frame: gun metal/green
Lens: G15
Field of use: 3 4 9
UDC



6X3F.01.00
Facial support
Frame: light smoke/green



042117
Clear Spare lens
UDC



Assembly of the facial protection (6X3F.01.00)



X-GENERATION

SPECTACLES



The face of each one has different facial characteristics, but everybody has the right to the best protection when exposed to various risks in the workplace.

Univet glasses are designed on the basis of indepth ergonomic studies, ensuring comfort and an excellent fit.

The settings of the nose pad and the terminals' adjustments in length and inclination can further adapt the device shaping it to the face of each user for an optimal comfort.

501

34 g (polycarbonate version) / 45 g (CR39 version)



- Spectacle with wide coverage area and perfect adherence to the face
- Micrometric adjustment of temples length
- Step-free adjustment of the front angle
- Vented side shields
- Adjustable nose pad

CR39	POLYCARBONATE	
137.00.10 Lens: clear	137.00.11 Lens: clear	137.00.20 Lens: clear



501.00.00.00
Frame: silver
Lens: clear PC

501.00.00.11
Frame: silver
Lens: clear PC

501.00.00.31
Frame: silver
Lens: clear CR39

503

29 g



- Adjustment of temples in length
- Built-in side shields
- Eyebrow protection
- Entirely made of polycarbonate, completely metal free



503.00.00.00
Frame: clear
Lens: clear UC

503.00.70.11
Frame: light blue
Lens: clear

507

29 g



- Soft temple tips by over moulded system
- Built-in side shields
- Temples regulation in length
- Micrometric friction adjustment of the front angle



507.01.01.00
Frame: blue/silver
Lens: clear

507.01.62.11
Frame: black/green
Lens: clear

508

25 g



- Modern design
- Extremely lightweight for comfort even during prolonged use
- Temples made with over-moulding technology for an excellent fit
- Wraparound lens with integrated side shields
- Eyebrow protection



508.02.01.00
Frame: smoke/green
Lens: clear

508.04.01.05
Frame: smoke/green
Lens: G15

505^{UP}

24 g



ESSENTIAL DESIGN

- Extremely light and encircling
- Elastic structure, extremely flexible and resistant
- New temple for a better ergonomomy
- Optimal comfort and fit thanks to the soft adjustable nosepad
- Neck cord included in the packaging



505U.00.00.00
Frame: clear
Lens: clear

505U.00.00.02
Frame: smoke
Lens: smoke

505U.00.00.11
Frame: clear
Lens: clear

505U.00.00.18
Frame: brown
Lens: brown

505U.00.00.19
Frame: yellow
Lens: yellow

505U.00.00.37
Frame: blue
Lens: blue Smart Mirror



506^{UP}

29g

VANGUARD PLUS



FULL COLOUR TECHNOLOGY

- New technical features and design
- Panoramic wrapping lens available with VANGUARD PLUS coating
- Temples regulation in length and inclination
- Soft terminal tips to eliminate local pressure
- Optimal comfort and fit thanks to the soft adjustable nosepad
- New range of colours



506U.03.00.00
Frame: white/green
Lens: clear
V PLUS



506U.03.02.00
Frame: white/pink
Lens: clear
V PLUS



506U.04.03.00
Frame: black/orange
Lens: clear



506U.04.04.05
Frame: black/green
Lens: G15
UV400



506U.06.01.00
Frame: black/green
Lens: clear



511

30 g (standard version) / 26 g (small version)



- Adjustment of temples in length
- Built-in side shields
- Frame made of anallergic material
- Available the version certified to small faces (511.03.01.00H)



511.00.03.01
Frame: black
Lens: clear



511.03.01.00
Frame: blue
Lens: clear



511.03.01.00H
Frame: blue
Lens: clear



511.03.03.03
Frame: black
Lens: green IR3



511.03.03.05
Frame: black
Lens: green IR5

513

23g

backtobasic



- Colourful temples in anallergic rubber
- Highly suitable for customization
- Non-slip rubber nose pad
- Eyebrow protection



513.01.00.00
Frame: clear/orange
Lens: clear



513.01.10.02
Frame: smoke/orange
Lens: smoke



513.02.00.00
Frame: clear/orange
Lens: clear

516

24g

backtobasic



- Innovative line
- New temple design for a better ergonomoy
- Wraparound model, guarantees optimal lateral protection
- Anatomical soft rubber nose bridge
- Colourful temples in anallergic rubber



516.01.00.00
Frame: clear/green
Lens: clear



516.01.10.02
Frame: smoke/green
Lens: smoke



516.11.00.00
Frame: clear/green
Lens: clear FM

519

43 g 

VANGUARD PLUS



- Overmoulded terminal for better comfort and stability
- Side venting
- Adjustment of temples in length and inclination
- Can be worn over prescription glasses



519.00.00.00
Frame: clear/black
Lens: clear



519.00.00.11
Frame: clear/black
Lens: clear
PLUS

535

37 g 

VANGUARD PLUS



- Wide lens for optimal face protection without front frame
- Optimal protection and panoramic view
- Adjustment of temples in length and inclination
- Eyebrow protection
- RX insert available



535.00.05.00
Frame: black/orange
Lens: clear



535.00.06.11
Frame: gun metal/green
Lens: clear
PLUS

520

43 g 



- Side venting
- Can be worn over prescription glasses
- Entirely made of polycarbonate, completely metal free



520.11.00.00
Frame: clear
Lens: clear UC

539

45 g (glass version) / 33 g (polycarbonate version) 

VANGUARD PLUS



- Built-in vented side shields
- Soft temple tips eliminate local pressure and increase wearability
- Adjustment of temples in length and inclination
- Wide range of filters



539.00.01.00
Frame: blue/grey
Lens: clear PC



539.10.01.00
Frame: blue/grey
Lens: clear glass

528

27 g 



- Temples regulation in length and inclination
- Built-in sideshields
- Wide lens for an extended protection



528.00.01.00
Frame: blue/black
Lens: clear



528.00.01.11
Frame: blue/black
Lens: clear



539.00.02.17
Frame: black
Lens: green IR1.7



539.00.02.30
Frame: black
Lens: green IR3



539.00.02.47
Frame: black
Lens: UVR



539.00.01.11
Frame: blue/grey
Lens: clear PC



539.20.01.31
Frame: blue/grey
Lens: clear CR39



539.00.02.50
Frame: black
Lens: green IR5



529

35 g 

VANGUARD PLUS



- Spherical lens for a wide field of view
- Adjustment of temples in length and inclination
- Temple's terminal tips realised with overmoulding technology gives the glasses an excellent wearability



529.00.05.00
Frame: black/orange
Lens: clear



529.00.06.11
Frame: gun metal/green
Lens: clear
PLUS

543

54 g 

VANGUARD PLUS



- Ultra-light goggle made of nylon
- Available both with temples and elastic cord or with adjustable elastic band
- Soft foam for improved adherence to the face



543.00.01.11
Frame: blue with elastic band



Lens: clear
Field of use: 3 4



PLUS



543.01.01.11
Frame: blue with temples



Lens: clear
Field of use: 3 4



PLUS

546

31 g

VANGUARD PLUS



PERFECTLY WRAPAROUND

- Extremely lightweight and modern spectacle with a sporty line
- Wraparound polycarbonate lens with integrated side shields
- Temples equipped with overmoulding technology guarantee excellent fit and comfort
- Non-slip rubber nose pad



546.01.42.00
Frame: black/orange
Lens: clear



546.03.45.00
Frame: black/green
Lens: clear
PLUS



546.12.45.02
Frame: black/green
Lens: smoke FM



546.03.42.04
Frame: black/orange
Lens: orange
PLUS UV525



553ZERONOISE

19 g

NEXXT



SOUND PROTECTION

- Wraparound model, guarantees optimal lateral protection
- Light and handy, made entirely in polycarbonate, weight only 19 gr
- Temples with reduced section designed for a perfect interaction with ear muffs
- New lens available (G15 and In/Out)



553Z.01.00.00
Frame: clear
Lens: clear



553Z.01.01.03
Frame: yellow
Lens: yellow



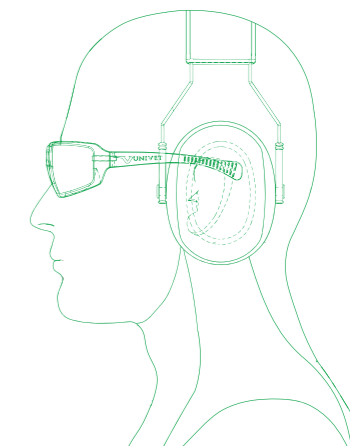
553Z.01.02.05
Frame: G15
Lens: G15



553Z.34.00.00
Frame: In/Out
Lens: In/Out

ZERONOISE

TEST	NOISE LEVEL [dB]	ATTENUATION [dB]	LOSS OF ATTENUATION [dB]	LOSS OF ATTENUATION [%]
NO EAR MUFF	95.0			
WITH EAR MUFF	71.0	24.0		
553 ZERONOISE	74.8	20.2	-3.8	-15.8%
OVERSPEC	83.9	11.1	-12.9	-53.8%
SAFETY EYEWEAR	81.3	13.7	-10.3	-42.9%



SPECTACLES

551

48 g 

VANGUARD PLUS



- Flexible brow guard against reflected light, dust and spray from above
- Adjustment of temples in length and inclination
- Wide lens for optimal face protection and panoramic view
- RX insert available



551.03.31.00
Frame: gun metal/green
Lens: clear
V PLUS

554

32 g 



- Model with sporty and colourful line
- Overmoulded nose bridge and temples for maximum comfort
- Rubber eyebrow protection to better absorb impacts
- Adjustment of temples in length



554.03.03.00
Frame: black/green
Lens: clear
V PLUS



554.03.01.03
Frame: black/grey
Lens: yellow
V PLUS



554.12.03.02
Frame: black/green
Lens: smoke FM
V PLUS

555

32 g 

VANGUARD PLUS



- Sporty design for plano and prescription lenses
- Equipped with lateral and eyebrow protection, offers a wide coverage area
- Temples with over-moulded material for optimum fit and comfort
- Possibility of mounting corrective lenses



555.03.00.00
Frame: black/green
Lens: clear
V PLUS

557

38 g 

VANGUARD PLUS



- Metal frame with essential and wrapping design
- Temple tips with metal core for easy adjustment
- Neoprene front support
- Flex hinges



557.03.00.00
Frame: metal grey
Lens: clear
V PLUS




557.03.00.03
Frame: metal grey
Lens: yellow
V PLUS



557.03.10.08
Frame: metal black
Lens: brown
V PLUS

566

54 g (glass version) / 36 g (polycarbonate version) 

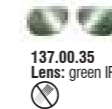


- Two-lens eyewear equipped with tilting vented side shields
- Interchangeable lenses available
- Central screw for quick lens replacement

POLYCARBONATE



137.00.34
Lens: clear



137.00.35
Lens: green IR5

GLASS



137.00.32
Lens: clear



137.00.33
Lens: green IR5

POLYCARBONATE



566.00.00.00
Frame: black
Lens: clear



566.00.00.50
Frame: black
Lens: green IR5

GLASS



566.01.00.00
Frame: black
Lens: clear



566.01.00.50
Frame: black
Lens: green IR5

568

23 g 

- Economic spectacle ideal for essential protection
- Lightweight and handy, entirely made of polycarbonate, weighs only 23 grams
- Available the version certified to small faces (568.01.00.00H)
- Highly suitable for customization



568.01.03.03
Frame: yellow
Lens: clear
V PLUS



568.01.01.02
Frame: smoke
Lens: smoke



568.01.00.00
Frame: clear
Lens: clear



568.01.00.00H
Frame: clear
Lens: clear



568.02.01.00
Frame: smoke
Lens: clear



568.02.01.02
Frame: smoke
Lens: smoke

SPECTACLES

PRESCRIPTION



Combining the maximum practical use, these comfortable and lightweight models, in conjunction with corrective lenses, allow even those with visual defects (such as myopia, hyperopia, astigmatism or presbyopia) to work safely.

These products are recognised as Category II of the PPE and certified according to EN166 standard. All Univet prescription glasses are tailor-made. Starting from the needs and preferences of each user the manufacturing department creates a specific product with all the guarantee of the "Made in Italy".

On all Univet prescription frames monofocal, bifocal and progressive lenses made of polycarbonate or CR39 can be mounted.



TECHNICAL FEATURES

MONOFOCAL LENS IN POLYCARBONATE

The monofocal lenses are optimized for a clear vision of objects which are near and far. They correct a single sight defect, such as myopia, hypermetropia and presbyopia, also in case of astigmatism.

Manufacturing limits:

Positive: sum of sphere + cylinder = +8.00	Refractive Index (n)	1.590
Negative: sum of sphere + cylinder = -10.00	Protection UV	380nm
Cylinder maximum: +/- 4.00	Resistance to impacts	FT
Standard powers:		
Sphere: +2.00 / -6.00		
Cylinder: +/-2.00		
Powers out of standard: out of the parameters above		



BIFOCAL LENS IN POLYCARBONATE

The bifocal lenses allow to see well both near and far. Only a small portion of the lens is dedicated to the near vision. They show a portion on the frontal side of the lens which is sharply separating the two sight visions.

Manufacturing limits:

Positive: sum of sphere + cylinder = +7.00	Refractive Index (n)	1.590
Negative: sum of sphere + cylinder = -7.00	Protection UV	380nm
Cylinder maximum: +/- 4.00	Resistance to impacts	FT
Minimum additions if standard: 1.00		
Maximum additions if standard: 3.50		



UNI-X - PROGRESSIVE LENS

The progressive lenses integrate different options of correction in one lens, allowing a fluid sight to any distance (far, intermediate, near). Such feature is given thanks to the perfect integration of the different sight areas on the lens, which are in this way indistinguishable.

- . Optimization of the sight at any distance (near +20%)
- . Reduction of the side distortion
- . Minimum height pupil centre 14 mm

Manufacturing limits:

Positive: sum of sphere + cylinder = +8.00	Refractive Index (n)	1.590
Negative: sum of sphere + cylinder = -9.00	Protection UV	380nm
Cylinder maximum: +/- 4.00	Resistance to impacts	FT
Additions out of standard (to be quoted separately): 0.50/0.75		
Minimum additions if standard: 1.00		
Maximum additions if standard: 3.00		

5X1 28g

softpad technology



TOTAL VERSATILITY

- . Fast Interchangeable elastic band and lenses system
- . Easy assembly of the rubber gasket
- . Corrective version available: 55 □ 21
- . Gasket version certified according to EN166 point 3 (droplets and splashes)

55 □ 21
⊕ (versione PC)



5X1 RX
Frame: dark grey/green



5X1OP000
Rx Insert
Frame: clear



PRESCRIPTION

5X9



- Integrated side shields with ventilation system
- Adjustment of temples in length and SoftPad technology
- Additional flip with protective filters for special applications
- Assembly of the rubber gasket on demand
- Also available 5X9E version with elastic band and soft rubber gasket

SoftPad technology



58 □ 16 x 110-120



54 □ 16 x 110-120

⊕ (PC version)

pag.26

541



- New temples with metal core for easy adjustment
- Integrated side shields and brow protection
- Available in two calibers

54 □ 16 x 126

58 □ 16 x 126

⊕ (PC version)

530



- Ultra-light polycarbonate frame
- Built-in side shields
- Temples with metal core for easy adjustment

54 □ 21 x 115-132

⊕ (PC version)

552

29 g



- Anallergic nylon frame
- Temples with metal core for easy adjustment
- Adjustable nose pad made of non-slip rubber
- Available different near-vision corrections

552.00.00.97-150
Frame: matt blue
Lens: +1,50

552.00.10.97-200
Frame: grey
Lens: +2,00

552.00.20.97-250
Frame: painted blue
Lens: +2,50

539



- Frame with wide coverage area
- Built-in vented side shields
- Soft terminal tips eliminate local pressure and increase wearability
- Two calibres available (56 – 59)

56 □ 16 x 132-142

59 □ 15 x 132-142

⊕ (PC version)

555



- Sporty eyewear design
- With side and brow protection integrated, it offers a wide coverage area
- Overmoulded temples for a better comfort

56 □ 12 x 130

⊕ (PC version)

PRESCRIPTION

Metal frames

Updated lines and selected materials make up a complete range of custom-made devices. A clean and attractive design, four models made of nickel-free metal to meet different safety requirements without losing in style.

536.05



- Frame made of anodized nickel-free metal
- Anallergic and non-slip terminals
- Anallergic PVC nose pad
- Riveted side shields

54 □ 19 x 140

⊕ (PC version)

536.06



- Frame made of anodized nickel-free metal
- Anallergic and non-slip terminals
- Anallergic PVC nose pad
- Riveted side shields
- Available in two calibers

51 □ 19 x 135

54 □ 19 x 135

⊕ (PC version)

536.07



- Frame made of anodized nickel-free metal
- Anallergic and non-slip terminals
- Anallergic PVC nose pad
- Riveted side shields

50 □ 18 x 140

⊕ (PC version)

536.08



- Frame made of anodized nickel-free metal
- Anallergic and non-slip terminals
- Anallergic PVC nose pad
- Riveted side shields

53 □ 19 x 140

⊕ (PC version)

RX Insert

The RX Insert is a special product that allows to combine normal eyewear with corrective lenses. This product permits the merger, the RX Insert and PPE product into a single product, increased protection combined with the correction of visual defects. The insert is strictly personal as it is built upon specific request in accordance with medical prescription and can be easily applied and removed from the protective product.

5X1



Cod. 5X1.OP00.00
RX Insert

535



Cod. 1110052
RX Insert

6X1



Cod. 6X10.00.99
RX Insert

551



Cod. 1110052
RX Insert

601



Cod. 601.OP00.99
RX Insert

611



Cod. 601.OP00.99
RX Insert

PRESCRIPTION

GOGGLES



The goggles provide the wearer with a greater sense of security and allow the protection of the eye area to be increased thanks to a perfect fit to the face, a wide coverage area and a superior impact resistance.

The certification requirements 3 (droplets and splashes of liquid), 4 (large particles of dust), 5 (gas and fine dust) and 9 (molten metals and hot solids) complete the protective features of this product.

6X1

57 g 



pag.30



- Wide lens for a field of view without distortion
- Temples adjustable in length and inclination with SoftPad technology
- Sophisticated indirect ventilation system
- Soft internal rubber for comfort without local pressure
- Certified according to EN166 point 3 (droplets and splashes) and point 4 (large dust particles)
- RX insert available



6X1.00.00.00
Frame: gun metal/green
Lens: clear
Field of use: 3 4
V PLUS

6X1.00.00.01
Frame: gun metal/green
Lens: smoke
Field of use: 3 4
V PLUS

6X3

78 g



pag.32



- Panoramic lens can be perfectly worn over prescription glasses
- Exclusive VANGUARD UDC coating
- Additional facial support compatible with respiratory masks
- Indirect ventilation system assures certified protection against drops and splashes
- Impact resistance at 432 km/h, even at extreme temperatures
- Protection that is designed to work seamlessly with half-masks



6X3.00.00.00
Frame: gun metal/green
Lens: clear
Field of use: 3 4 9
V UDC

6X3.00.00.05
Frame: gun metal/green
Lens: G15
Field of use: 3 4 9
V UDC

6X3F.01.00
Facial support
Frame: light smoke/green

042117
Clear Spare lens
V UDC



601

107 g (acetate version) / 123 g (polycarbonate version)



HIGH PERFORMANCE AND VERSATILITY

- Wide field of vision for a high-tech goggle
- Different ventilation systems (unvented, indirect ventilation)
- Also acetate and welding version available
- The anatomic nose pad fits perfectly to all faces
- The adjustable headband and the soft frame effectively distribute the pressure on the face
- RX insert available



601.00.77.00
Frame: blue - indirect vented with foam
Field of use: 3 4 9
Lens: clear PC
V PLUS

601.02.77.00
Frame: blue - indirect vented
Field of use: 3 4 9
Lens: clear PC
V PLUS

601.02.77.01
Frame: blue - indirect vented
Field of use: 3 4
Lens: clear acetate
V+

601.03.07.00
Frame: clear - unvented
Field of use: 3 4 5 9
Lens: clear PC
V PLUS

601.03.07.01
Frame: clear - unvented
Field of use: 3 4 5
Lens: clear acetate
V+

601.02.06.50
Frame: smoke indirect vented
Field of use: 3 4 9
Lens: green IR5
V PLUS

042.065
spear PC lens clear
V PLUS

042.066
spear acetate lens clear
V+

042.088
spear PC lens green IR5
V+



602

73 g



- Essential frame ideal for each type of fit
- Adjustable elastic fabric headband
- Polycarbonate lens
- Indirect ventilation system
- OTG



602.01.00.00
Frame: clear
Field of use: 3 4
Lens: clear



602.01.00.01
Frame: clear
Field of use: 3 4
Lens: clear UC

620^{UP}

88 g



APPLIED TECHNOLOGIES

- Innovative technology, perfect mix of ergonomics and design
- Spherical panoramic lens for the highest performances
- Soft TPR frame assures optimal level of comfort
- Sophisticated indirect ventilation system
- Can be worn over any prescription spectacles thanks to its spherical lens



620U.02.10.00
Frame: grey
Campi d'impiego: 3 4
Lens: clear
V PLUS

611

122 g



- Frame, lens and elastic strap of fireproof material
- Wide elastic band with silicone inserts improves stability
- The double lens with thermal breakage technology protects against heat, fogging and impacts
- Variant available with quick-release claws suitable for use with different types of helmet
- RX insert available

NEXXT



611.00.10.01
Frame: red
Field of use: 3 4 5 9
Lens: clear



611.K0.10.01
Frame: red
Field of use: 3 4 5 9
Lens: clear



042064.235/A1.6
spear lens clear

619

84 g



- Linear and compact design
- Can be worn over any prescription spectacles thanks to its spherical lens
- Version unvented or provided with indirect ventilation system
- Wide, fully adjustable headband

VANGUARD PLUS



619.02.01.00
Frame: blue
indirect vented
Field of use: 3 4 9
Lens: clear
V PLUS



619.03.01.00
Frame: blue - unvented
Field of use: 3 4 5 9
Lens: clear
V PLUS



FACE SHIELDS



For certain fields of use, protection provided by the normal eyewear may not be enough for the purpose. In certain circumstances it is also necessary to protect the entire face.

Specific activities may expose user's eyes and face to various risks. Within Univet's visors range there are articles certified to provide protection in respect of some of the most restrictive requirements such as those determining the following marking: 3 (droplets and splashes of liquids), 8 (electric arc caused by short circuit) and 9 (molten metals and hot solids) as defined by EN166.

605



- Helmet/Head-gear characterized by an ergonomic design
- Front flexible band provided of an interchangeable foam
- Provided of a top band intended to wrap around the head, which is able to determine a comfortable height adjustment
- Fitting to head circumference by means of a gear rack
- Revolving up to 90° and over by means of a friction system
- Metal free version available for such fields of use where the operator might be exposed to electric arc (605.04.00.00)
- (605.01.00.00) Available to be coupled to mesh eye and face protectors (re. EN1731)



605.01.00.00
Frame: yellow
Field of use: 3
 when coupled to a visor code validated in combination to the head-gear

605.04.00.00
Frame: blue
Field of use: 3 8 9
 when coupled to a visor code validated in combination to the head-gear

606



- Revolving of 90° by means of a friction system
- Helmet adapters available as made of anodized aluminium or of thermoplastic materials
- (606.05.00.00) specifically studied for combined coupling with hearing protectors and helmets
- (606.04.00.00) Metal free version available for such fields of use where the operator might be accidentally exposed to electric arc.
- (606.02.00.00) Available to be coupled to mesh eye and face protectors (re. EN1731)



606.02.00.00
Frame: black
Field of use: 3
 when coupled to a visor code validated in combination to the helmet adapter

606.04.00.00
Frame: blue
Field of use: 3 8 9
 when coupled to a visor code validated in combination to the helmet adapter

606.05.00.00
Frame: aluminium
Field of use: 3 9
 when coupled to a visor code validated in combination to the helmet adapter

699



- Front flexible band provided of an interchangeable foam
- Provided of a top band intended to wrap around the head, which is able to determine a comfortable height adjustment
- Adjustment to head-circumference by means of an elastic head-band
- Provided of a 1mm thick polycarbonate visor which is designed to revolve of 90°
- Fit to be worn over ophthalmic spectacles and respiratory protective devices
- Provided of an interchangeable chin protection



699.00.00.00
Complete Visor provided of model head-gear and of version: chin-protection
Field of use: 3

699.99.00.00
Visor: Replaceable item
Field of use: 3
 When coupled to the head-gear which was validated in combination

699.99.00.01
Additional chin-protection protection:
 Aimed at coupling with visor and head-gear belonging to the same model as validated by certification

607



MULTI-PURPOSE VISOR

- Depending on model version our articles may
- provide overall protection to the eyes and face
 - provide protection against splashes of liquids with the exception of 607.01.00.31 and of 607.01.00.32 model version
 - provide protection against electric arc originating from short-circuit
 - be worn above a variety of ophthalmic spectacles and above some respiratory protective devices

PERFORMANCES PROVEN ON THE FIELD



IN ORDER TO UNDERSTAND OVERALL PERFORMANCES OF EACH MODEL VERSION PLEASE REFER TO THE SCHEME AS ILLUSTRATED ON THE FOLLOWING PAGE.

- 607.A7.00.00**
Field of use: 8 9
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.A7.01.00**
Field of use: 8 9
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.A9.11.00**
Field of use: 9 R
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.A9.11.30**
Field of use: 9 R
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.A9.11.50**
Field of use: 9 R
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.A0.00.50**
Field of use: 9
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.A9.00.47**
Field of use: 9
 When coupled to helmet or helmet adapter code validated in combination to the visor
- 607.01.00.22**
 Article validated to be coupled to helmet or helmet adapter code as tested in combination
- 607.01.00.30**
 Article validated to be coupled to helmet or helmet adapter code as tested in combination
- 607.01.00.34**
 Article validated to be coupled to helmet or helmet adapter code as tested in combination
- 607.01.00.32**
 Article validated to be coupled to helmet or helmet adapter code as tested in combination
- 607.01.00.31**
 Article validated to be coupled to helmet or helmet adapter code as tested in combination
- 607.Z0.00.01**
Field of use: 9
 Provided of helmet adapter
- 607.Z0.00.02**
Field of use: 9
 Provided of helmet adapter

FACE SHIELDS

DESCRIPTION OF VISOR'S FEATURES

	CODE	DIMENSIONS (mm)	MATERIALS	COLOUR	PROVIDING PROTECTION AGAINST
	607.01.00.22	390x195x1	Polycarbonate	Clear	Splashes of liquids and Impacts
	607.A7.00.00	395x240x2	Polycarbonate	Clear	UV radiations, Splashes of liquids, Contact with chemicals (liquid nitrogen), Impacts, Molten metals and hot solids, Short circuit - electric arc
	607.A7.01.00	395x240x2	Polycarbonate	Clear	UV radiations, Splashes of liquids, Contact with chemicals (liquid nitrogen), Impacts, Molten metals and hot solids, Short circuit - electric arc , Surface damage by fine particles
	607.01.00.30	395x230x1	Acetate	Clear	Splashes of liquids and Impacts
	607.01.00.34	493x264x1	U-NXL	Clear	Splashes of liquids, Contact with chemicals (hydrofluoric acid) and Impacts
	607.A9.11.00	395x240x2	Polycarbonate	Clear gold mirrored	UV and IR radiations, Radiant heat, Splashes of liquids, Molten metals and hot solids, Impacts
	607.A9.11.30	395x240x2	Polycarbonate	Green 3 gold mirrored	Radiations produced during welding and related techniques, IR radiations, Radiant heat, Molten metals and hot solids, Impacts
	607.A9.11.50	395x240x2	Polycarbonate	Green 5 gold mirrored	Radiations produced during welding and related techniques, IR radiations, Radiant heat, Molten metals and hot solids, Impacts
	607.A0.00.50	395x240x2	Polycarbonate	Green 5	Radiations produced during welding and related techniques, Molten metals and hot solids, Impacts
	607.A9.00.47	395x240x2	Polycarbonate	Green UVR	Radiations produced during welding and related techniques, UV, IR and Sun radiations. Splashes of liquids, Molten metals and hot solids, Impacts
	607.01.00.31	380x194	Polypropylene + metal wire-net		Impacts of flying particles resulting from various activities (with the exception of sport activities)
	607.01.00.32	305x194	Polypropylene + metal wire-net		Impacts of flying particles resulting from various activities (with the exception of sport activities)

COUPLING BETWEEN VISOR, HEAD-GEAR, HELMET ADAPTER

	CODE	 605.04.00.00	 605.01.00.00	 606.02.00.00	 606.04.00.00	 606.05.00.00
	607.01.00.22	✗	✓	✓	✗	✗
	607.A7.00.00	✓	✗	✗	✓	✗
	607.A7.01.00	✓	✗	✗	✓	✗
	607.01.00.30	✗	✓	✓	✗	✗
	607.01.00.34	✗	✓	✓	✗	✓
	607.A9.11.00	✓	✗	✗	✗	✓
	607.A9.11.30	✓	✗	✗	✓	✓
	607.A9.11.50	✓	✗	✗	✓	✓
	607.A0.00.50	✓	✗	✗	✓	✓
	607.A9.00.47	✓	✗	✗	✓	✓
	607.01.00.31	✗	✓	✓	✗	✗
	607.01.00.32	✗	✓	✓	✗	✗

WELDING - IR

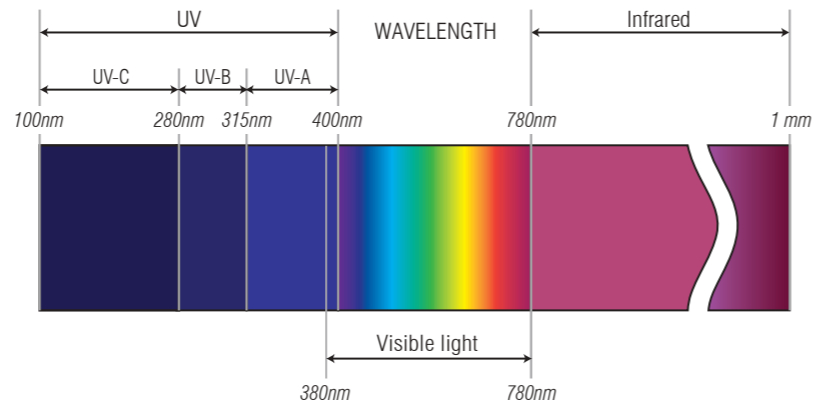


The industrial processes requiring very high temperatures, as well as cutting and welding operations, generate dangerous electromagnetic radiation.

Univet offers one of the most comprehensive range of products for welding and infrared radiation on the market. The availability of different combinations of lens shades, materials and type of devices allows to find the best solution to each workplace.

AOR - Artificial Optical Radiation

Some industrial processes requiring very high temperatures, as well as cutting and welding operations, generate dangerous electromagnetic radiations which determine the need of adequate protection systems. Exposure to the light emitted during processing may, in the long and short term, result in serious eye injuries, depending on the type of light source, the distance of the operator and the intensity of the light source radiation. Radiation hazards are increased by the fact that some of them, falling within the range of UV and IR, are actually invisible to the human eye. Univet offers a variety of devices suitable for your field of application which you can evaluate with the support of independent specialists of workplaces safety.



5X1

29g



SoftPad technology



- SoftPad Technology
- Lens with FLD (Floating Lens Design) technology
- Adjustment of temples and Soft patented nose pad in anallergic rubber, with height adjustment
- Fast Interchangeable elastic band and lenses system
- Easy assembly of the rubber gasket
- Gasket version certified according to EN166 point 3 (droplets and splashes)



5X3

31g

VANGUARD PLUS



- Exclusive UDC coating
- Lens with FLD (Floating Lens Design) technology
- Extended 9 base wraparound lens, provides extra coverage around the eyes
- The spectacle fits the face without adjustments



5X7

37g



SoftPad technology



- The ultimate OTG to prescription spectacles
- The careful design of the frame prevents the overlapping of the temples for an absolute comfort
- SoftPad technology
- Adjustment of temples in length



5X9

42 g (glass version) / 20 g (polycarbonate version)



SoftPad technology



- Integrated side shields with ventilation system
- Adjustable temples with SoftPad technology
- Protective filters available on 90°-180° flip-up system



511

30 g  



- Adjustment of temples in length and inclination
- Built-in side shields
- Frame made of anallergic material



511.03.03.03
 Frame: black
 Lens: green IR3



511.03.03.05
 Frame: black
 Lens: green IR5

566

54 g (glass version) / 36 g (polycarbonate version)   



- Two-lens eyewear equipped with tilting vented side shields
- Interchangeable lenses available
- Central screw for quick lens replacement

GLASS



566.01.00.50
 Frame: black
 Lens: green IR5



137.00.33
 spare lens glass

POLYCARBONATE



566.00.00.50
 Frame: black
 Lens: green IR5



137.00.35
 spare lens polycarbonate

539

33 g   



- Built-in vented side shields
- Soft terminal tips eliminate local pressure and increase wearability
- Adjustment of temples in length and inclination



539.00.02.47
 Frame: black
 Lens: UVR



539.00.02.17
 Frame: black
 Lens: green IR1.7



539.00.02.30
 Frame: black
 Lens: green IR3



539.00.02.50
 Frame: black
 Lens: green IR5

601

118 g 



- Wide field of vision
- Indirect ventilation system
- Wide elastic band made of anallergic fabric



601.02.06.50
 Frame: smoke indirected vented
 Field of use: 3 4 9
 Lens: green IR5
VANGUARD PLUS



042.088
 spare PC lens green IR5
VANGUARD PLUS

540

78 g 



- Safety goggles with two 50mm-diameter lenses
- Highly resistant nylon frame for added comfort with flip-up and side shields
- Available with fixed polycarbonate or flip-up adiacinic glass lenses




540.00.01.07
 Frame: grey
 Lens: blue IR4-5



540.00.01.50
 Frame: grey
 Lens: green IR5

603

140 g (glass version) / 144 g (polycarbonate version) 



- Elastic fabric headband
- Outer 90° flip-up support welding filters (diameter 50 mm)
- Indirect ventilation with four valves
- Economical version with glass lenses (603.03.00.50)



603.01.00.50
 Frame: green
 Lens: green IR5 polycarbonate



603.03.00.50
 Frame: green
 Lens: green IR5 glass

604

78g



- Ultra-light frame with double cup and side ventilation valves
- Nose pad adjustment with chain
- Double polycarbonate lens available in clear anti-splinter glass and in green 5 diameter 50 mm
- Lenses are easily replaceable by ring nuts system



604.01.00.50
Frame: black
Lens: green IR5 glass

607



- Repairs the whole face and eyes
- Protects against drops and sprays
- Specific version for protection against electric arc
- Fully OTG
- Wide range of screens for specific uses



607.A9.11.00
Field of use: 9 R
When coupled to helmet or helmet adapter code validated in combination to the visor



607.A9.11.30
Field of use: 9 R
When coupled to helmet or helmet adapter code validated in combination to the visor



607.A9.11.50
Field of use: 9 R
When coupled to helmet or helmet adapter code validated in combination to the visor



607.A0.00.50
Field of use: 9
When coupled to helmet or helmet adapter code validated in combination to the visor

608



- Welders' faceshield made of black fibre with handle (608.01.00.00)
- Welding helmet with flip-up system (608.02.00.00)
- Window size 75x98 mm, filters available separately
- Polypropylene welding helmet with leather casing (608.02.00.02)



10631.1
Support for flip-up glass
Frame: black

041511
Lens: clear glass

041513
Lens: green IR10

041512
Lens: green IR9

041514
Lens: green IR11



608.02.00.00
Frame: black
Lens: no lens supplied



608.02.00.02
Frame: black
Lens: no lens supplied



608.01.00.00
Frame: black
Lens: no lens supplied

608 REX



- Welding helmet with active filter and LCD screen
- Protection against UV and infrared rays and visible light (EN175 and EN379 standards compliant)
- Micrometric adjustment of the head circumference
- Available fixed-DIN (DIN 11) or potentiometer (DIN 9/13) versions



608.04.00.00
Frame: blue
Visor: DIN fix



608.04.00.10
Frame: red
Visor: potentiometer

609



- 90° flip-up steel mesh with window for glass filter insertion
- Universal support with knob for helmet
- Interchangeable filters (60x120mm rectangular or round 50mm diameter)



609.04.00.15
Frame: steel
Lens: blue IR



609.04.00.16
Frame: steel
Lens: blue IR



609.04.00.17
Frame: steel
Lens: blue IR



609.04.00.19
Frame: steel
Lens: blue IR

02.21.29
Lens: glass blue IR4-5
diam. 50 mm

04.15.20
Lens: glass blue IR4-5
60x120 mm

04.16.30
Lens: glass blue IR4-6
60x120 mm

04.16.32
Lens: glass blue IR4-7
60x120 mm

04.16.33
Lens: glass blue IR4-8
60x120 mm

04.15.30
Lens: glass green IR5
60x120 mm

618

66 g (glass version) / 57 g (polycarbonate version)



- Welding protective goggle in soft and heat resistant material
- Mineral glass lenses with \varnothing 50 mm
- Elastic fabric headband guarantees an excellent wearability
- Soft frontal allows a simple and rapid replacement of the lenses and good ventilation



618.01.06.00
Frame: black
Lens: clear glass



618.01.06.50
Frame: black
Lens: green IR5 glass

Glass lens
50 \varnothing mm



02.21.18
Lens: clear glass

02.21.23
Lens: green IR5 glass

02.21.27
Lens: clear polycarbonate

02.21.29
Lens: blue IR glass

EUROPEAN STANDARD ON PERSONAL EYE PROTECTION

On the basis of 89/686/EEC Directive, Personal Protective Equipment (PPE) shall mean any device or appliance designed to be worn or held by an individual to protect himself against one or more health and safety hazards, as well as any accessory or ensemble designed so as to be a component of a personal protective equipment.

Personal Protective Equipment (PPE) are divided into three categories:

category I

PPE of simple design, intended to safeguard the individual from minimal risks, whose gradual effects may be perceived on time and without permanent consequences to the user who is able to understand the effectiveness of the protection provided by the PPE.

category II

PPE that do not belong to the other two categories.

category III

PPE of complex design intended to protect against mortal danger or against dangers that may seriously and irreversibly harm the health, of the user. Under this category are grouped those PPE intended to provide protection against short circuit electric arc.

SPECTACLE

EXAMPLE OF MARKING IDENTIFICATION ON THE LENS



2-3	U	1	FT	KN	CE
Scale number (code number - shade number)*	Manufacturer (Univet)	Optical Class	Mechanical resistance	Optional requirement	

* The scale number for welding filters is only represented by the shade number

EXAMPLE OF MARKING IDENTIFICATION ON THE FRAME



U	EN166	FT	CE
Manufacturer (Univet)	Standard re.	Field of use (where applicable)	Symbol for mechanical strength
		Where applicable a symbol intended to identify that the article is aimed at small size head	Where applicable highest ocular scale number compatible with the frame



GOGGLE

EXAMPLE OF MARKING IDENTIFICATION ON THE LENS



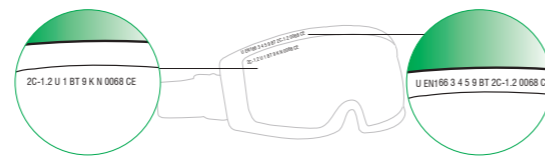
2C-1.2	U	1	BT	9	KN	0068	CE
Scale number (code number - shade number)*	Manufacturer (Univet)	Optical Class	Mechanical resistance	Field of use	Optional requirement	Number identifying the Notified Body only for PPE belonging to Cat. III	

* The scale number for welding filters is only represented by the shade number

EXAMPLE OF MARKING IDENTIFICATION ON THE FRAME



U	EN166	3 4 5 9	BT	2C-1.2	0068	CE
Manufacturer (Univet)	Standard re.	Fields of use	Mechanical resistance	Filter compatible with the frame	Number identifying the Notified Body only for PPE belonging to Cat. III	



MEANINGS OF EN MARKING

PPE belonging to category II and III shall be tested and certified by an officially recognized European Notified Body.

Product certification which demonstrate compliance to the requirements set by PPE directive 89/686/EEC might be based on the following European standards:

EN166 – Personal eye-protection specifications

EN175 – Equipment for eye and face protection during welding and allied processes

EN166 recalls additional standards which further specify requirements as a function of PPE typology and of their fields of use:

EN165 – Vocabulary

EN167 – Optical test methods

EN168 – Non-optical test methods

EN169 – Filter for welding and related techniques

EN170 – Ultra-violet (UV) filters

EN171 – Infra-red (IR) filters

EN172 – Sunglare filters for industrial use

EN1731 – Mesh eye and face protectors

EN379 – Specification for automatic welding filters

SCALE NUMBER (CODE NUMBER - SHADE NUMBER)

Code Number	Shade number and typical lens colours	VLT range
2	Ultraviolet (UV)	100% - 74.4%
2C	UV with good colour recognition	58.1% - 43.2%
	UV with good colour recognition	29.1% - 17.8%
4	Infra-red (IR)	17.8% - 8.0%
5	Sunglare filter without infra-red specification	-
6	Sunglare filter with infra-red specification	-

Welding products do not require a code number

OPTICAL CLASS

	Spherical refractive power m ⁻¹	Astigmatic refractive power m ⁻¹	Difference in prismatic refractive power cm/m		
			horizontal base out	horizontal base in	vertical
1	± 0.06	0.06	0.75	0.25	0.25
2	± 0.12	0.12	1.00	0.25	0.25
3	+0.12 / -0.25	0.25	1.00	0.25	0.25

PROTECTION AGAINST HIGH SPEED PARTICLES

Mechanical resistance	Impact level	Impact speed	Diameter	Grams	Spectacles	Goggles	Face shields
A (T)	High energy impact	190 m/s	ø 6 mm	0,86 gr			•
B (T)	Medium energy impact	120 m/s			•	•	
F (T)	Low energy impact	45 m/s			•	•	•
S	Increased robustness	5,1 m/s	ø 22 mm	43 gr	•	•	•

(T) if the impact letter (F, B or A) is followed by the letter T, then the eyewear protects against impact at extreme temperatures (-5°/+55°C)

OPTIONAL REQUIREMENTS - ADDITIONAL MARKINGS ON LENSES, VISORS AND OCULARS

8	Symbol for protection against short circuit electric arc
9	Symbol for protection against molten metals and hot solids
K	Resistance to surface damage by fine particles
N	Resistance to fogging of oculars
T	Protection against high speed particles at extreme temperatures (-5°/+55° C)
H	Frame suitable for small size head
R	Enhanced reflectance in the infra-red
∇	Symbol for replacement ocular

FIELDS OF USE - ADDITIONAL MARKINGS WHICH CAN BE FOUND ON FRAME

SYMBOL	DESIGNATION	DESCRIPTION OF THE FIELD OF USE	SPECTACLES	GOGGLES	FACE SHIELD
No symbol	Basic use	Unspecified mechanical hazards and hazards arising from ultraviolet, visible, infra-red and sun radiation	•	•	•
3	Liquids	Liquids (droplets or splashes)		•	•
4	Large dust particles	Dust with a particle size > 5 µm		•	
5	Gas and fine dust particles	Gases, vapours, sprays, smoke and dust with a particle size < 5 µm		•	
8	Short circuit electric arc	Electrical arc due to a short circuit in electrical equipment			•
9	Molten metals and hot solids	Splashes of molten metals and penetration of hot solids		•	•

AMERICAN STANDARD FOR PERSONAL EYE PROTECTION DEVICES

SPECTACLE

EXAMPLE OF MARKING IDENTIFICATION ON THE LENS

U+U6

Lens mark

U = Manufacturer's logo
+ identify an impact rated article
U6 = scale number

EXAMPLE OF MARKING IDENTIFICATION ON THE FRAME

UZ87+

Z87+

Marking on the front piece

Marking on at least one temple

U = Manufacturer's logo
Z87 + identify an impact rated article

MEANING OF MARKING ACCORDING TO ANSI/ISEA Z87.1-2015 IN RESPECT OF FILTER PERFORMANCE

1 st CHARACTER	DESCRIPTION	EXAMPLE
U	Protection against ultraviolet radiations	U4
W	Protection against radiations produced during welding (welding filters)	W2.5
L	Protection against radiations in the visible spectrum	L1.7
R	Protection against infra-red radiations	R2.5
S	Special purpose filters	S
2 nd CHARACTER	DESCRIPTION	EXAMPLE
Number	Number which varies in respect to the attenuation provided by the filter	2.5

GOGGLE

EXAMPLE OF MARKING IDENTIFICATION OF A PPE WHERE LENS AND FRAME FORM A SINGLE UNIT (NO REPLACEABLE COMPONENTS)

UZ87+U6R2

Mark applied on lens or on frame

U = Manufacturer's logo
Z87 + identify an impact rated article
U6 = scale number referred to a filter providing UV protection
R2 = scale number referred to a filter providing IR protection

MARKING REFERENCES TIED TO SPECIFIC FIELDS OF USE, ACCORDING TO ANSI/ISEA Z87.1-2015

D3	Protection from drops/splashes
D4	Protection from dust
D5	Protection from fine dust

ACCESSORIES



Black cotton neck cord
Cod. 023345



Univet black neck cord with buckle
Cod. 023346



Black cotton neck cord with buckle
Cod. 4PA114-ASSEMB-



Univet cloth
Cod. 3PA225



Spectacle Microfiber pouch
Cod. 2300072UNIVET
Goggle Microfiber pouch
Cod. 3AT026



Case with zip
Cod. 2300062



Rigid case with zip
Cod. 3AT029



Goggle case
Cod. 3AT025



Univet Cleaning station
Cod. 3QL002-



Univet cleaning tissue
Pack of 24 pcs
Cod. 3QL003-



Univet cleaning spray
30ml
Cod. 3QL004-



Anti-fog cleaner
Cod. 4QL001--ASSEMB-



cod. 2314000
Univet corner
6 positions for eyewear, 2 for goggle



cod. 2315000
Univet display
4 positions for eyewear, 1 for goggle



cod. 3AT036-
Univet Smartbox 5 positions for eyewear, 1 for goggle
390x205xH100 mm



cod. 2317900UNIVET
Univet display
5 positions for eyewear



20 YEARS OF UNIVET

In 20 years Univet has become the Italian leader and one of the main international players. A young company full of passion, ambition, motivation, which puts people and their work in the centre to further improve and always renew our mission.



Since 1997 Univet is a leading manufacturer of Safety and Laser eyewear as well as magnifying Loupes for surgery and dentistry. Univet is the only Company in the world that provides complete product lines of safety eyewear to such different applications: the interaction between these sectors leads to the development of innovative and original solutions. Inventive, up-to-date, and internationally recognized, Univet is a Company in constant growth; from its headquarter of over 3,000 m² in Northern Italy it sells its products in more than seventy countries all over the world, with an export quota of 70% of its annual turnover.

SAFETY
DESIGN QUALITY
& COMFORT



The best Italian design and the highest level of innovation for eye protection and worker safety. Ergonomics and efficiency, function and style leading to better performance.

LASER
INNOVATION
& RESEARCH



In 2001, in addition to Safety, Univet launches the Laser protection eyewear. Continuous research and development activities match the customer needs and enrich the Company product lines.

LOUPES
TAILOR
MADE & HIGH
PERFORMANCE



In 2006 Univet introduces the Loupes, magnifying devices for surgery and dentistry, completely designed and manufactured in-house, from the optical system to the frames, entirely Made in Italy.

**CLEAN
ROOM**
TECHNOLOGY &
LONG DURATION



Born in the early 2000s, the goggles specifically designed for Clean Rooms are made of innovative and long-lasting materials to bear multiple sterilization cycles, in autoclave or with beta or gamma rays.



Univet puts
people at the center
of its world.



PASSION & PEOPLE

Every model developed, every objective met, every new market gained is the result of the commitment and passion of each and every person working at Univet. Creating a new product is a challenge that generates a special energy: the every day's desire to improve and build a future together.



ITALIAN STYLE

Thanks to the 100% Italian talent of our designers, our products combine a unique mix of safety, comfort and style. Research, taste and intuition prove the talent of our professionals who always aim to create unique models that stand out from the crowd.



INNOVATION

A team of specialist technicians work within our Research and Development department: the pride and joy of our company. Expertise, perseverance and determination are the fundamental qualities required for designing and creating highly innovative and technological products.



Univet is certified ISO 9001: 2008.

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