



Fire fighting helmet

VFR EVO



VFR EVO

Through thirty years of experience as manufacturers and suppliers of many prestigious Fire Brigades and thanks to the suggestions received from those who use our products every day, we have developed and implemented the new fire fighting helmet certified according European Standard: EN 443:2008, EN 16471:2014; EN 16473: 2014 and MED

The helmet has a modern design is sturdy and extremely comfortable, and protects the user from all potentially hazardous situations that may occur during the course of fire fighting and emergency response activity.

MAIN USES

During crash accidents in which various danger may occur (explosions, collapses, splinters, contact with chemicals etc.)

During structural fires with extremely high temperatures, falling of debris, flash-over phenomena and poor visibility.



During technical rescue in which potential hazards such as unstable soils, environmental risks, structural hazards and fire may occur during long rescue operations and other extended efforts.

During outdoors fires with extreme temperatures due to radiant heat phenomena and potential caustic or explosive materials.



The new VFR EVO helmet is among the lightest and safest in the type B category (integral protection). Its innovative shell made of thermoplastic and composite material, combined with the revolutionary internal padding of molded PUR and Kevlar with honeycomb sandwich structure, provides reliable protection from thermal and mechanical hazards. The plastic material, reinforced with glass fibers and aramid, is resistant to extreme temperatures and blocks the effect of flames and radiant heat during a flash over phenomenon.

SAFETY IN DESIGN

EXTERNAL SHELL

Made of tecnopolymers and composite material extremely resistant to high temperatures and mechanical stresses.

INTERNAL SHELL

The inner shell helps to absorb shocks and perforations and is made of polyurethane foam molded with a honeycomb structure reinforced Kevlar™

TRANSPARENT EYE SCREEN MOVEMENT LEVERS

Located on both sides, the levers allow the user to handle the screen without touching the eye or bringing the hands to the face. The shape and size allow for easy handling with gloves.

FRONT PLATE

It is available with same color as the shell or with black, gold and metallic finish. Customization is available upon request.

FACE SHIELDS

The standard configuration includes a reflective face shield combined with the transparent eye screen. Alternative configurations are possible. All the shields are certified EN 14458 optical class 1.

COMMUNICATION SYSTEM ADAPTER

Allows for the connection of the most commonly used communication systems



QUICK CONNECTION HELMET/MASK

They allow the attachment of gas masks equipped with two point quick coupling. The adjustment in three positions provides an excellent seal face / mask with all types of face morphology.

LAMP ADAPTERS

Located on both sides, they allow for the attachment and adjustment of lamps.



Its ergonomic design and multiple adjustment points obtain an optimal balance by distributing the weight evenly on the head without straining the neck and shoulder muscles.

Inside, the mesh suspension system distributes the weight evenly on the head eliminating the pressure points that can cause user discomfort after prolonged use while also ensuring good ventilation and an optimal microclimate.

Four-point (Cross-ratchet) size adjustment system utilizes an adjustment wheel which is easily accessible and maneuverable. It allows the helmet to fit in a simple and secure way to every head morphology.



Aesthetics and functionality

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The VFR EVO helmet can be customized to meet specific needs, becoming an element of personal recognition. It can be configured with front plates displaying a coat of arms and reflective stripes in different colors with the option of identification of the rank by specially shaped stripes (Rank marking).



Located on both sides of the shell, the helmet has a universal connection for two point gas masks, which are individually adjustable, making it compatible with all the masks on the market and creates an efficient and safe mask/helmet combination.



SHIELDS CONFIGURATIONS

The face shields and eye screen, certified according to EN 14458 and EN 166 Standards, are of the highest optical quality (optical class 1). Resistant to high temperatures, they safely protect the eyes and face from high heat, electricity, particles and liquid chemicals. The two external levers allow for easy handling of the screen while wearing gloves, avoiding contact with the shield, face and eyes of the user.

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A wide range of optional accessories complete the VFR EVO helmet. All the most important fire fighter lamps can be used with the helmet by means of special adapters on both sides of the shell and tilted up to 37° in order to completely illuminate the work area.

Inside the helmet it is possible to insert communication systems compatible with the main radio equipment on the market ensuring a reliable transmission even in very loud environments.

ACCESSORIES



Multiple neck protection variants allow free mobility. The coverage in specially designed and shaped Nomex protects your helmet in every training situation, prolonging the use duration. Bags and carrying bags allow better storage and transport.

The reflective stripes increase the visibility in adverse conditions, provide personal identification and coordination with the intervention suit.

Thanks to the reduction and optimization of the assembled components, maintenance of the VFR EVO helmet is easy and done in a simple and practical way. It's possible to completely disassemble and reassemble the helmet with few procedures. Each component is easily replaceable with standard tools included in the packaging. All components can be washed and disinfected with common cleansers, either manually or by mechanical or industrial washing.

Our internal laboratory, equipped with the most modern machinery utilizing the best technology, is able to perform all the necessary tests to ensure that each VFR-EVO helmet produced meets the high quality standard required and meets all European standards.

Maintenance Kits are available for: Cleaning and disinfection of the helmet, repairing of any scratches on the shell, cleaning the visors, and the reapplication of the anti-fog treatment.

Maintenance manuals and detailed lists of spare parts are available upon request.

A perfect integration



MAINTENANCE

Colors and special finishes

A wide range of colors lets you customize the VFR-EVO helmet to fully meet the uniform and visibility requirements. In addition to the normal colors, they are available with photo luminescent paint (visible in the dark) or fluorescent yellow and orange finishes (high visibility).

PHOTOLUMINESCENT COLOR



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HELMET VFR EVO	SIZE	cross over size adjustment (52 – 64)	
	WEIGHT	1.540 ±20 g visors included	
	CERTIFICATIONS	CE mark in accordance to EN 443:2008 "helmets for fire fighting in buildings and other structures" Type B – shell full covered Optional requirements: C- resistance to chemicals /-30°C (***) – very low temperatures /3b Coverage of the frontal zone 3b (through face shield)/E2 – insulating helmet wet/E3 Surface Insulation (depending on the model of the front piaster) EN 16471:2014 - EN 16473:2014 - MED	
	MATERIAL (SHELL)	high temperature thermoplastic material, injection molded	
	MATERIAL (INTERNAL SHELL)	polyurethane foam with reinforced molded honeycomb + aramid	
	CHINSTRAP	4 points adjustable chin strap with quick release buckle	
INTERNAL	Flame resistant padded headband and chinstrap covers made of leather or Nomex		
SHIELDS	VFR-V1	TYPE	Transparent face shield
		MATERIAL	Thermoplastic material with resistance to high temperatures, anti-scratch and anti-fog treatment
		CERTIFICATIONS	CE mark in accordance to EN 166 and EN 14458 "High performance visors" - facial repairs - optional requirements / fire fighting use / N – anti-fog / K – anti-scratch A / Ω electrical properties (surface insulating) / T – extreme temperatures (-30°C + 120°C)
	VFR-V2	TYPE	Reflective face shield
		MATERIAL	Thermoplastic material with resistance to high temperatures, metallized finish surface, anti-scratch and anti-fog treatment
		CERTIFICATIONS	CE mark in accordance to EN 166 and EN 14458 "High performance visors" - facial repairs - optional requirements / fire fighting use / N – anti-fog / K – anti-scratch / A infrared reflectance AT extreme temperatures (-30°C+120°C) / Ω electrical properties (surface insulating)
VFR-V3	TYPE	Transparent eye screen	
	MATERIAL	Thermoplastic material with resistance to high temperatures, anti-scratch and anti-fog treatment	
	CERTIFICATIONS	CE mark in accordance to EN 166 and EN 14458 "High performance visors" - facial repairs - optional requirements / fire fighting use / N – anti-fog / K – anti-scratch / A resistance particles average impact energy/ Ω electrical properties (surface insulating)	
NECK PROTECTOR	MATERIAL	Aluminized textile, impregnated Nomex and combine wool/Nomex	
	WEIGHT	150 g	
	CERTIFICATIONS	Test to radiant heat, embracing flames, molten metals and chemicals splashes (EN 443:2008 – Area 3a)	

DEFINITION IDENTIFICATION CODE HELMET MODEL VFR-EVO

970: HELMET CODE VFR-EVO/ α: ALPHABETICAL / η/ηη: NUMERIC

970 +	α	+	nn	+	α	+	n	+	n	+	n	+	α	+	α	+	α
	SHELL COLOR		FRONTAL PLATE		REFLECTIVE STRIPES		SHIELD		FINISHES		NECK PROTECTORS		LAMP + HOLDER		BAG		MANUALS
	A. Orange B. Metallized Grey C. Sky Blue ONU D. White E. Blue F. Orange Fluo G. Yellow Fluo H. Yellow I. Grey L. Black M. Nickel N. Red O. Green P. Photoluminescent		00. Shell color 01. Black 02. Chrome 03. Golden 04. Photoluminescent		A. No One B. Red C. Silver D. Orange E. Yellow F. Green G. Silver French model H. Red French model I. Red+Orange French model L. Grey+Blue French model M. Grey+Green French model		1. Reflective face shield + eye screen 2. transparent face shield + eye screen		0. Leather 1. Nomex 2. Retention system with leather loop 3. Retention system with Nomex loop		0. No one 1. Aluminized 2. Nomex 3. Wool 4. Integral Wool 5. Integral Nomex		A. No one B. Peli LED C. Peli LED rechargeable D. Peli VVF E. UK 3AA F. UK 4AA G. Parat H. Adaro L5 I. Adaro L5 R L. Adaro L10		A. Carrying bag black with logo B. Bag with logo Sicor		A. Multi languages B. Italian C. French D. English E. Spanish F. German G. Portuguese H. Portuguese BR
															Note: Customizations with customer color and logo are available, for more information contact our sales department		Note: User manuals with single language are only supplied for orders more than 300 pieces



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SICOR SpA
20016 Pero MI - Italy - Via Pisacane, 23/A
Partita IVA 10258760155
Tel. +39 02 3539041 - Fax +39 02 3539060
info@sicor-sureco.it - www.sicor-sureco.it

