

## FIREFIGHTER HELMET

### CALISIA VULCAN NEO



Vulcan Neo fire helmet type B helmet.

- \* Category 3 personal protective equipment item.
- \* Complies with Regulation (EU) 2016/425 and the following harmonised standards:
  - \* EN 443:2008 Helmets for firefighting in buildings and other structures.
  - \* EN 16471:2014 Firefighters helmets. Helmets for wildland fire fighting.
  - \* EN 16473:2014 Firefighters helmets. Helmets for technical rescue.
  - \* EN 50365:2002 Electrically insulating helmets for use on low voltage installations,
- confirmed by a certificate issued by Notified Body No. 0497 CSI S.p.A.
- \* Certificate of admittance issued by Notified Body No. 1438 CNBOP-PIB.

#### Innovation combined with comfort delivering safety in extreme conditions

- \* Excellent protection, use convenience and design.
- \* Shell provides impact and penetration protection as well as lateral crushing protection.
- \* Complete protection in low (-40°C) and high temperatures.
- \* Flame (tested at 1000°C) and heat resistant.
- \* Electrical properties acc. to the EN 50365:200 standard and selected items of the EN 443:2008 standard.
- \* Contact with liquid chemicals acc. to the EN 443:2008 standard.
- \* Resistance to molten metals and hot solids.
- \* Top quality face and eyes protection:
  - category 3 face protection,
  - class 1 optical protection,

complies with Regulation (EU) 2016/425 and the following harmonised standards:

- EN 14458:2018 Personal eye-equipment. High performance visors intended only for use with protective helmets.
- EN 166:2001 Personal eye-protection. Specifications.
- EN 170:2005 Personal eye-protection. Ultraviolet filters. Transmittance requirements and recommended use.
- EN 171:2002 Personal eye-protection. Infrared filters. Transmittance requirements and recommended use.
- EN 172:2002 Personal eye-protection. Sun glare filters for industrial use.

#### Tests within the scope of the following standards:

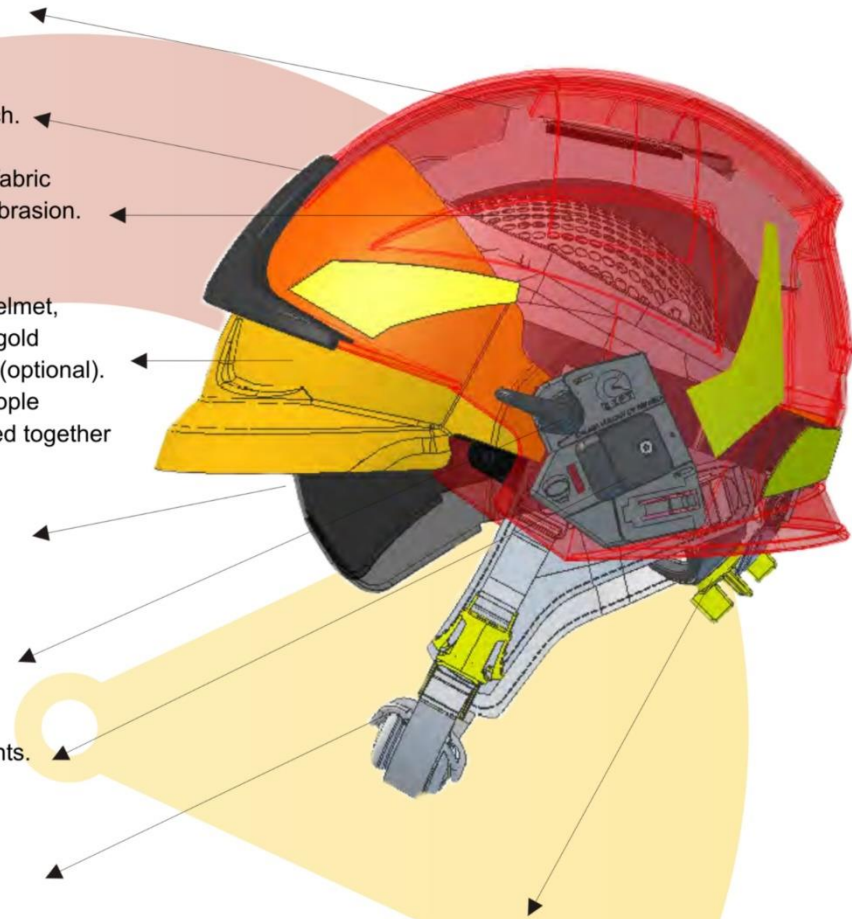
- \* resistance to high temperatures, liquid chemicals, flame and heat radiation,
- \* highest optical radiation protection (IR 4-3; UV 2C-1,2; UV 2-4; UV 5-3,1),
- \* protection against high speed particles in extreme temperatures, molten metals and hot solids,
- \* resistance to drops and liquid splashes,
- \* resistance to coarse dust particles, gasses and fine dust particles,
- \* protection against short-circuit arcs,
- \* E1, E2, E3 electrical properties,
- \* side protection,
- \* face shield resistant to surface damage by fine particles,
- \* anti-fog and/or anti-scratch face shield.



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1. Lightweight and durable injection-moulded shell, available in all colours (including photoluminescent and metalized), fitted with reflective tape as standard. Optionally, the helmet can be customised by adding functional distinctions and fire brigade insignia.
2. Front covers: black, metalized (optional) or integrated torch.
3. Comfortable and soft helmet inner optionally with aramid fabric lining to ensure wear comfort and protect the head from abrasion. Easy to maintain, removable, washable and disinfectable.
4. Face shield - optical class 1 visor, retractable inside the helmet, can be supplied with anti-scratch and/or anti-fog coating, gold filtered to protect against infrared radiation or transparent (optional). A choice of a profiled or non-profiled visor, adapted for people wearing corrective glasses; visor shape allows it to be used together with a breathing mask.
5. Retractable eye shield - optical class 1 goggles to protect the eyes against solid objects and liquids during rescue operations. Tinted and clear versions available.
6. Goggles can be lowered and raised using levers on both sides of the helmet without removing gloves.
7. Unified universal breathing mask and torch anchoring points. Top torch anchoring point retains full torch position angle adjustment range even with a breathing mask attached.
8. Detachable soft silicone chinstrap and chinstrap system (no tools required).
9. Neck protector resistant to heat radiation and flames, made of fire retardant materials:
  - OS1V short protector
  - OS2V long protector for the neck and larynx
  - OS3V leather protector
  - OS4V metalized fabric protector
  - OS5V short double-layer metalized protector lined using a meta-aramid fabric
  - OS6V short double-layer meta-aramid fabric protector



10. Inner height and circumference (47 to 68 cm) can be adjusted quickly in gloved hands without the need to remove the helmet for tailor-made fit and stability. Individual components can be easily removed for replacement, washing and disinfection.

#### Available models:

- **Tn** transparent profiled visor
- **Mn** metalized profiled visor
- **TnO** transparent profiled visor and clear goggles
- **TnOt** transparent profiled visor and tinted goggles
- **MnO** metalized profiled visor and clear goggles
- **MnOt** metalized profiled visor and tinted goggles

