Helmet ReS-4M LUNA

for metal spraying



The ReS-4M and ReS-4M/OH “LUNA” breathing apparatus is designed for respiratory protection and head and eye protection during the application of anti-corrosive coating by metal spraying.

The apparatus (helmet) protects the face and eyes against ultraviolet radiation during metal spraying, and it protects the head and the body against any generated dust and spatter.
By insulating the respiratory system from air that is unsuitable for breathing, the apparatus protects against the vapours generated during metal spraying.

The visor of the helmet has polycarbonate glass with UV-absorbing coating. The glass is protected against hazing by protective films in four different colours. Using the different-coloured films, the user can adjust visibility of flame or electric arc.
Inside the helmet (above the visor), there is an air flow indicator, which is a warning device. The indicator can be used to test the equipment before use and during work by checking if the minimum required air flow rate has been achieved.
Protective apron is made of flame-retardant cotton fabric, reinforced in the chest area with a non-flammable (Kevlar) aluminized fabric (covered with a layer of aluminum).

CIOP PIB

Kat. III

EN 14594

1437

Guarante of safety

The helmet has certificate No. EU/601/2021/1437 issued by the Central Institute for Labour Protection - National Research Institute.
The helmet protects the user from hazards occurring in metal spraying.
The personal protective equipment complies with the following regulations, harmonised standards:

- With the provisions of Regulation (EU) No 2016/425 of the European Parliament and of the Council of 09 March 2016,
- With the standard PN-EN 14594:2018 "Respiratory protective equipment. Continous flow compressed air line breathing devices - Requirement, testing and marking".
- 3. With EN 166:2005 "Personal eye protection. Requirements."
- 4.With EN 170:2005 "Personal eye protection. Ultraviolet filters. Transmission coefficient requirements and recommended use."

Ergonomics

- The wearer's head is housed in an inner helmet liner padded with upholstery cushions. It provides size adjustment to fit the wearer's head. The liner has a pressure adjustment system with pressure straps. There are holes in the pressure straps through which we hook the strap to the handles on the sides of the liner. By changing the hole through which we hook the strap to the handles, we adjust the size of the liner.
- The removable apron protects the wearer's body without restricting movement. Durability is ensured by the use of two-layer fabric . Replacement of the worn apron is extremely easy. The apron is attached to the edge of the helmet with Velcro. First remove the elastic securing the edge of the helmet, untie the ribbon at the back of the apron and unfasten the apron. Then fold the apron in half to mark the centre of the apron, carefully place the soft part of the Velcro over the edge of the helmet, laying it from front to back. Tie the apron ribbon at the back of the helmet and pull the elastic into place. Correct the positioning of the tape securing the edge of the helmet and the operation is complete.



Inner liner version OH

Durability

- Helmet shell made of glass composite.
- Replaceable apron made of two-layer fabric.
- Visor glass made of 2mm thick polycarbonate - material with very high impact resistance.



Visibility

The visor has a rigid pane made of 2 mm thick polycarbonate. The inner side of the helmet visor is coated with a layer that absorbs ultraviolet radiation.



The helmet visor is equipped with a polycarbonate pane coated with a layer that absorbs ultraviolet (UV) radiation.

The pane is protected against dulling by using protective films available in four different colors. By selecting films in various colors, the user can adjust the level of correction for viewing flames or electric arcs.

The films are available in the following colors: clear, brown-silver, gray-silver, and blue-silver. The user selects the color of the protective film based on the specific working conditions and the metallization method being used.

Easy replacement of the visor glass

To replace the visor glass, open the visor frame by unfastening the snap buckle, remove the used glass by unwinding the visor seal with your fingers. Then insert the new glass, check the alignment of the gasket and close the frame.

Removable apron to protect the wearer's body without restricting movement.

The replaceable protective apron is made of two layers of fabric (aluminum-coated Kevlar fabric + flame-resistant lining).