

COMPRESSED AIR BREATHING APPARATUS EQUIPPED WITH A HELMET SUITED FOR METAL SPRAYING (EN 271; EN 166; EN 170)



“LUNA” BREATHING HELMET: ReS-4M, ReS-4M/O/H (the O/H helmet version equipped with ear muffs)

CE 1437 : Type assessment certificate WE/S/155/2004

Application:

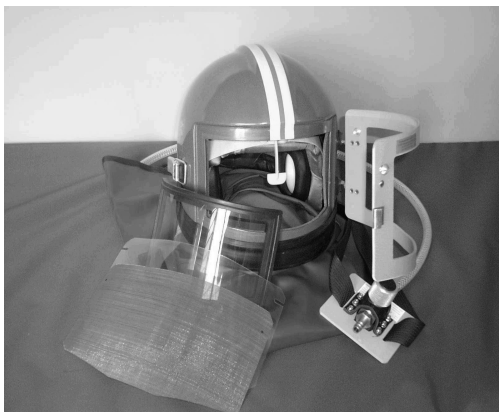
Specialised “LUNA” BREATHING HELMET ReS-4M / ReS-4M/O/H is designed for protection of:

- 1) *respiratory system against the atmosphere of air unfit for breathing*
- 2) *operator’s head, eyes and body against splashes of substances used for metal spraying*
- 3) *eyes against ultraviolet radiation existing in the working environment*

of the worker producing anticorrosive layers by metal spraying technique (covering constructions with molten metal sprayed through a nozzle by compressed air). This process causes dustiness and presents a threat to worker’s eyes due to existing ultraviolet radiation. The helmet, equipped with a system for adjusting amount of air flowing in, is fed from the treated compressed air network, providing breathing air flow into the helmet.

Metal spraying is one of the most dangerous processes used in technology today in regard of providing effective protection for the person carrying out the spraying. Especially the vapours forming during metal spraying process are extremely dangerous for human body. The “LUNA” breathing helmet presented herein is a complex product, which, when used properly, provides the person carrying out this dangerous job with complete protection against health hazards.

This personal protection system has been manufactured using the highest quality materials and modern technology. The layer absorbing UV radiation on the helmet window has been made using, inter alia, gold plated in the vacuum diffusion process. Creating this product we have guaranteed effective protection against health hazards, such as UV radiation, noise, oxide vapours formed during metal melting, fine particles of molten metals. This product provides protection for eyes, hearing, head, and respiratory system. As an insulating protection system it guarantees the safety of the user against the influence of all hazardous substances. Protective parameters have been confirmed by the CE safety certificate (in accordance with the 89/686/EEC directive and harmonised standards.) All protective features were therefore confirmed in result of extensive testing in specialised laboratories, in accordance with the procedures accepted in the European Union member states. The manufacturer possesses an ISO 9001 quality management system certified by TUV NORD.



Helmets in the LUNA ReS-4M/O/H version are equipped with ear muffs. The ear muffs are fitted inside the helmet and have regulators for adjustment of pressure against user’s ears and head.

Inside of the LUNA ReS-4M and LUNA ReS-4M/O/H helmets is lined with soft exchangeable pads holding user’s head. This increases work comfort and it is a very ergonomic solution. The apron protecting the body is made of glass fabric metallized with aluminium. It protects against splashes of molten metal and other mechanical threats.

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