

Levio[®]



The MAVIG Levio[®] Panel
Effective Application of X-Ray Protective Material

MAVIG



Safety since 1921

For over 100 years, MAVIG has specialised in personal protection at high-risk workplaces.

The family-run company MAVIG has always maintained the principles of a modern company:

“The customer and customer satisfaction are the top priority”.

MAVIG products are designed, manufactured and distributed in strict observance of all laws, regulations and standards. Every product is tested for its safety and reliability – in some cases with even higher and stricter requirements than are prescribed by law.

The intended use of our products requires maximum reliability and quality. To ensure the highest level of quality, MAVIG applies a consistent quality management system in accordance with DIN EN ISO 13485:2016 for medical devices.

Our top priority is to provide our customers with high-quality products that are free from defects and delivered on time.



MAVIG

NEW APRON EDITION

Levio[®]

The Levio[®] Concept – Easy. Effective.

For some time now, the focus has been on reducing the weight of personal protective equipment. Until now, the X-ray apron has protected the front of the body from the neck down to the knees with a uniform lead equivalent.

Latest scientific studies show that approximately **80% of the effective dose** for the examiner is in the area from the **chest to below the gonads** because the organs that are particularly sensitive to radiation, such as the colon, stomach, bladder, gonads, lungs and large parts of the active bone marrow, are located there.



It is no longer just the lead equivalent that is considered but the protection factor of a radiation protective apron based on the effective dose.

For optimised protection

The effective dose can be effectively reduced if the radiation protective material is concentrated in the predetermined area.

MAVIG is the first manufacturer of radiation protective clothing (PPE) to develop an **approved and certified apron collection** that implements this concept – the new **Levio Edition**.



The details of the publications and results can be found in our scientifically prepared brochure. You can find it online on our website or on request.

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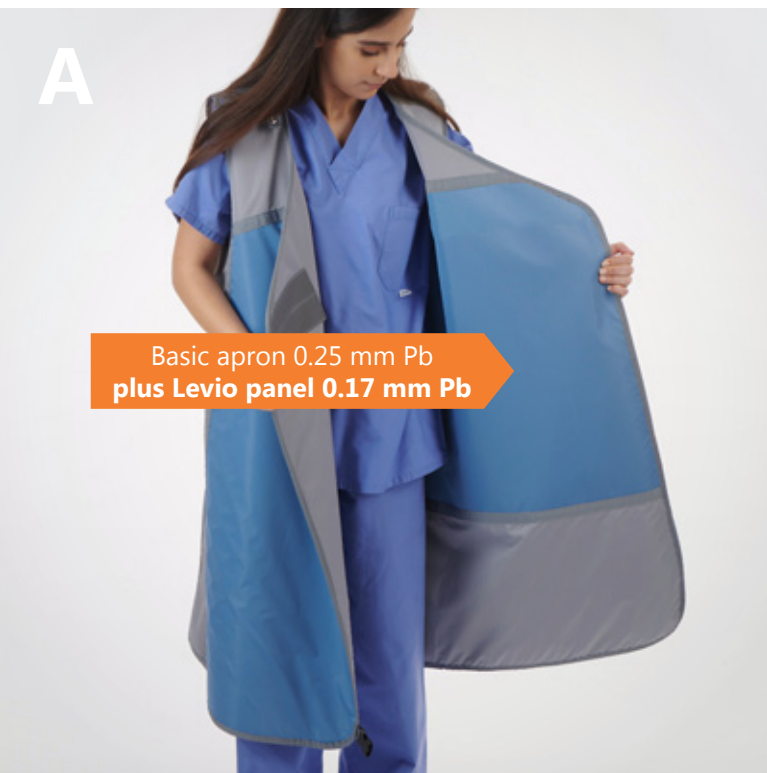
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Levio Panel. More Protection. Less Weight.

The basis for the Levio Edition is always an X-ray protection apron with a standard-compliant lead equivalent value of 0.25 mm Pb (front or all-round protection, depending on the type). You have the choice of how high the **additional shielding** (Levio panel) **for the most radiation-sensitive organs** from the chest to below the gonads should be. The area with the reinforced protective material is clearly visible in colour (for example, coat RA632, inside in the colour Regatta – see fig. A and B).

The Levio Edition is available for selected models of MAVIG's portfolio of X-ray protective clothing.



Basic apron 0.25 mm Pb
plus Levio panel 0.17 mm Pb



Basic apron 0.25 mm Pb
plus Levio panel 0.25 mm Pb

Advantages

- ✔ **Increased protection for the centre of the body** (0.42 mm Pb)
- ✔ Same weight (compared to classic 0.35 mm Pb)
- ✔ Personalized X-ray protection based on the respective body dimensions
- ✔ EU type-examination certificate PPE-147519854-Cert (CE0302)
- ✔ Available for selected MAVIG aprons

Advantages

- ✔ Equal protection of the centre of the body (0.50 mm Pb)
- ✔ **More than 10% weight reduction** (compared to classic 0.50 mm Pb)
- ✔ Personalized X-ray protection based on the respective body dimensions
- ✔ EU type-examination certificate PPE-147519854-Cert (CE0302)
- ✔ Available for selected MAVIG aprons

MAVIG Aprons

The choices for an apron with a Levio panel are:

Lead-equivalent Front

(Lead-equivalent base layer / total lead equivalent)

Fig. A 0.25 mm Pb / 0.42 mm Pb

Fig. B 0.25 mm Pb / 0.50 mm Pb

Sizes and Lengths

XS to XL Recommendations for the appropriate circumferences can be taken from the corresponding flyer, the catalogue or the website. The same applies to the length of the skirt (RA631) and the matching lengths of the coat or aprons.
(Special sizes or lengths on request)

Colour Selection



Curacao



Lagoon



Orchidee



Regatta



Titan



Mandarin



Blue Admiral



Baccara

Outer Material – Cover

ComforTex® HPMF Hybrid or ComforTex® HPMF

Radiation Protective Material – Inlay

Novalite® (50 - 110 kV) or Leadfree (50 - 110 kV)
Standard lead (50 - 150 kV)

Optional

Thyroid protection, Bolero, sleeves, breast pocket (with and without embroidery), BRYGGA®, head protection, made-to-measure and custom-made ...



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