



Dental Medicine Safety & Comfort

X-Ray Protection for Patients and Personnel

MAVIG



1921



1960



1972



1985

For over **100 years**, MAVIG has specialised in personal protection at workplaces where people are exposed to risk.

What began in Leipzig in 1921 with the production of protective products for X-ray and welding has now become an internationally successful company with an excellent reputation in the field of radiation protection and medical support systems for hospitals and medical practices.

Production grew steadily in the decades that followed the founding of the company. Protective products for X-ray and welding were successfully marketed all over the world under the MAVIG® trademark. In the post-war years, the company's headquarters and production facilities were relocated to Munich.

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

"The customer and customer satisfaction are the top priority".

MAVIG is 100% independent and owner-managed.

MAVIG



SAFETY SINCE 1921

MADE IN GERMANY



Quality Management

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 applying higher and stricter requirements than are set by law.

Certifications

The intended use of our products requires the 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 is certified in accordance with DIN EN ISO 13485:2016. The majority of MAVIG products are CE certified: Regulation (EU) 2016/425 for personal protective equipment and (EU) 2017/745 for medical devices. In addition, we have numerous international certificates.

DISTRIBUTION WORLDWIDE



Protective Materials – Inside

The quality demands on X-ray protective clothing are now greater than ever. Wearing times of the protective clothing are extended by modern, radiologically supported procedures in diagnostics and treatment. The protection requirements differ widely depending on the intended use.

MAVIG, as the international market leader for radiation protection, offers you a well thought-out variant policy and a sophisticated and wide range of models.

We use two different protective materials that are considered to be the lightest materials on the market in their respective category. This ensures your protection from X-rays and also allows us to minimise the physical strain of wearing X-ray protective clothing.

And Outside

Smoothness and flexibility are special quality features of MAVIG X-ray protective clothing. In order to further optimise the wearing comfort for the user, our specialists place particular emphasis on precise tailoring and the best workmanship.

Our two innovative textiles ComforTex® HPMF Hybrid and Duplex offer safety and protection against electrostatic charge, which could affect the proper functioning of sensitive medical devices.

MAVIG's innovative textiles were developed in accordance with the relevant requirements of DIN EN 13795-1:2019. This series of standards sets vital, reasonable safety requirements for the necessary quality of surgical textiles for the protection of patients and staff from infections.

Colours and Special Designs

A fresh look, a pleasant feel and comfort for the wearer are the first impressions of the current X-ray protection collection by MAVIG.

These demands are also reflected in the constantly evolving colour palette of our collection.

The current range includes a total of 8 colours. Our children's design "Happy" is exclusively available in the outer material ComforTex® HPMF.



NEW

Dental All-round RD639



Patient All-round Protection for Digital Volume Tomography (DVT)

The RD639 all-round protective apron offers optimum radiation protection in digital volume tomography.

The patient is protected in the front as well as the back with the full lead equivalent of 0.35 mm Pb.

The convenient hook-and-loop fastener on the shoulder allows the apron to be put on comfortably from the side. The circumference can be easily adjusted by means of the hook-and-loop fasteners in the back.

The integrated thyroid protection is height adjustable, so that it does not interfere with the imaging.



Protection/Lead Equivalent

NovaLite® Plus
or Leadfree 2.0



As standard:
0.35 mm Pb
(front and back)

Outer Material

8 Colours/1 Design
(see left)



As standard:
ComforTex® HPMF Duplex
or ComforTex® HPMF
(only Design „Happy“)

Closure

Convenient hook-and-loop
fastener on the shoulder
and in the back

Sizes/Dimensions

Small
80.0 x 60.0/60.0 cm
(Length x Width front/back)

Medium
80.0 x 70.0/60.0 cm
(Length x Width front/back)

(for children please use our
children's coat RP668 combined
with our thyroid shield RD614)

It goes without saying that our patient protection products comply with Regulation (EU) 2016/425 for personal protective equipment and (EU) 2017/745 for medical devices.

Dental Panorama RD635



Patient X-Ray Apron for Panorama Shots While Standing

The RD635 protective apron for patients offers optimum radiation protection for standing X-ray exposures on panoramic or teleradiographic units.

Due to the closure system in the front the protective clothing is particularly comfortable to put on. Additionally, it can be individually adjusted to the patient's body circumference with a quick and easy movement.

The back lies smooth and flat against the body.



Protection/Lead Equivalent

NovaLite® Plus
or Leadfree 2.0



As standard:
0.50 mm Pb
(front and back)

Outer Material

8 Colours/1 Design
(see left, page 4)



As standard:
ComforTex® HPMF Duplex
or ComforTex® HPMF
(only Design „Happy“)

Closure

Convenient hook-and-loop
fastener in the front

Sizes/Dimensions

Adults
Front: 80.0 x 60.0 cm (L x W)

Children
Front: 60.0 x 45.0 cm (L x W)

Accessory

Thyroid/sternum protection
for patients (page 8)





DentalChair RD642



Patient X-Ray Apron for X-Rays in a Seated Position

The MAVIG patient protective apron RD642, which is used for dental X-rays in a seated position, is flexible and comfortable to wear.

The high-quality hook-and-loop fastener is conveniently placed in the shoulder area, making it precise, secure and quick to put on and remove.



Protection/Lead Equivalent

NovaLite® Plus
or Leadfree 2.0



As standard:
0.50 mm Pb
(front)

Outer Material

8 Colours/1 Design
(see left)



As standard:
ComforTex® HPMF Duplex
or ComforTex® HPMF
(only Design „Happy“)

Closure

Convenient hook-and-loop
fastener on the shoulder

Sizes/Dimensions

Adults
Front: 80.0 x 60.0 cm (L x W)

Children
Front: 60.0 x 45.0 cm (L x W)

Accessory

Thyroid/sternum protection
for patients (page 8)



It goes without saying that our patient protection products comply with Regulation (EU) 2016/425 for personal protective equipment and (EU) 2017/745 for medical devices.

Dental Bicolour RD644



Patient X-Ray Apron with Thyroid Protection for X-Rays in a Seated Position

Just like the classic dental apron (RD642), this model offers high flexibility and wearing comfort.

In addition to the large-area protection up to the gonads, the thyroid gland is also covered when taking X-rays of the seated patient.

The practical hook-and-loop fastener in the back of the neck of the thyroid protection collar ensures a snug, secure and quick fit.

Loops on the back allow an easy attachment to the dental chair.

CAN BE USED ON BOTH SIDES

Model RD644 is designed as a reversible X-ray apron for patients.

The design thus allows you to choose between a one-colour or two-colour model.

Two-colour combinations are available in "Curacao with Orchidee" and "Blue Admiral with Regatta".



Protection/Lead Equivalent

NovaLite® Plus or Leadfree 2.0



As standard:
0.50 mm Pb
(front)

Outer Material

8 Colours/1 Design
(see left, page 6)



As standard:
ComforTex® HPMF Duplex
or ComforTex® HPMF
(only Design „Happy“)

Closure

Convenient hook-and-loop fastener in the back of the neck, plus loops on the back for attachment to the chair

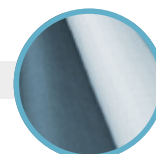
Sizes/Dimensions

Adults
Front: 80.0 x 60.0 cm (L x W)

Children
Front: 60.0 x 45.0 cm (L x W)

Optional

Two-colour design



Curacao with Orchidee or
Blue Admiral with Regatta



Model RD614

Thyroid & Sternum Protection, Suitable for Models RD635 & RD642

Thyroid and Sternum Protection for Patients

The thyroid is a radiation-sensitive organ of the human body and therefore in particular need of protection.

The MAVIG thyroid-sternum protection for patients is optimally cut, has the best fit, and, of course, takes all radiation protection aspects into account.

An uncomplicated magnetic or hook-and-loop fastener, which can optionally be replaced, provides sufficient room for adjustment.



Children's Size
in Design Happy



With integrated
hook-and-loop fastener



With uncomplicated
magnetic closure



With exchangeable
hook-and-loop fastener

Protection/Lead Equivalent

NovaLite® Plus
or Leadfree 2.0



As standard:
0.50 mm Pb

Outer Material

8 Colours/1 Design
(see left)



As standard:
ComforTex® HPMF Duplex
or ComforTex® HPMF
(only Design „Happy“)

Sizes According to Fastener Type

Magnetic/hook-and-loop fastener:

Adults	Standard size fits neck sizes of 32 - 45 cm
Children	Standard size fits neck sizes of 28 - 36 cm

Exchangeable hook-and-loop fastener:

Adults	Standard size fits neck sizes of 37 - 50 cm
Children	Standard size fits neck sizes of 28 - 36 cm

Accessories/Replacement

Hygienic cover
Embroidery



Spare hook-and-loop fastener
(Adjustment
via snap buttons)

Classic^{Mini} RP668

Children's All-round Protection Coat



- ✓ High quality, flexible Leadfree 2.0 material with lead equivalent values of 0.50 mm Pb in the front and 0.25 mm Pb in the back
- ✓ Ideal fit for children
- ✓ Time-saving hook-and-loop fasteners
- ✓ Type testing and certification in accordance with (EU) 2016/425 and (EU) 2017/745, as well as IEC 61331-1:2014 / DIN EN 61331-1:2016 and IEC 61331-3:2014 / DIN EN 61331-3:2016

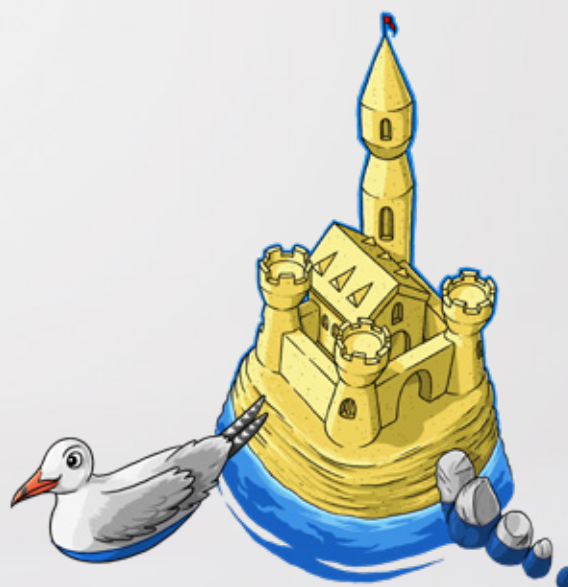


Fig.: ComforTex HPMF Duplex, Orchidee

This model provides practical all-round protection for your little patients.

Children's X-ray protection, in particular, must be easy to put on and take off. Small patients rarely have enough patience for long actions. Therefore our RP668 children's coat can be adjusted quickly and closed securely using the hook-and-loop fasteners in the front.

Children's X-ray protection is manufactured by MAVIG with the innovative Leadfree 2.0 radiation protection material to achieve the best possible weight ratio and thus impose only the most necessary physical strain on the children.



Protective Material Leadfree 2.0

Lead Equivalent Values

Front: 0.50 mm Pb
Back: 0.25 mm Pb

Outer Material ComforTex® HPMF Duplex or ComforTex® HPMF (only Design „Happy“)

Colours 8 Colours/1 Design (see left, page 8)

Sizes

Recommended for:

SMALL

Length: 60 cm
Hip circumference: 68 - 75 cm
for children aged approx. 3 - 5 years

MEDIUM

Length: 80 cm
Hip circumference: 76 - 83 cm
for children aged approx. 6 - 8 years

LARGE

Length: 84 cm
Hip circumference: 84 - 95 cm
for children aged approx. 9 - 12 years

Accessory

RD614 - Thyroid/sternum protection for small patients



It goes without saying that our patient protection products comply with Regulation (EU) 2016/425 for personal protective equipment and (EU) 2017/745 for medical devices.



Comfort RA660

Front Protection Apron, For Medical Personnel

- ✓ Outstanding comfort thanks to the wide stretch inserts
- ✓ Ideal even for long wearing times
- ✓ Soft shoulder pads as a standard
- ✓ High quality fasteners for a maximum durability
- ✓ Type testing and certification in accordance with (EU) 2016/425 and (EU) 2017/745, as well as IEC 61331-1:2014 / DIN EN 61331-1:2016 and IEC 61331-3:2014 / DIN EN 61331-3:2016



Our customers value the RA660 as their favorite among the front protection aprons. This apron is specially designed for applications where you are only exposed to radiation from the front. It is easy to put on and take off, adapts nicely to the body and offers an excellent fit and shoulder relief.

Choose the optional version without protection in the back area to reduce the weight of the apron and enjoy even more comfort.

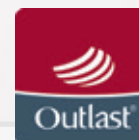
Levio® Edition

The apron RA660 is also available in our Levio Edition. Optimized weight-to-protection ratio: Instead of a uniform lead equivalent across the entire front area, Levio protects - from above the chest to below the gonads - with a higher lead equivalent (0,42 mm Pb or 0,50 mm Pb).

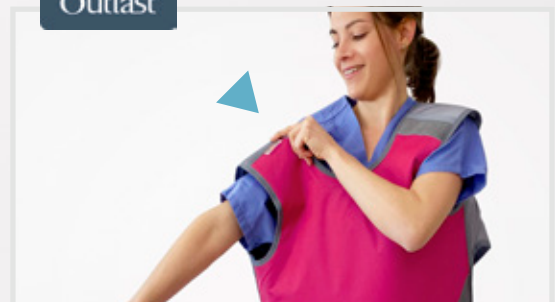


Wide stretch insert in the back

Fig.: ComforTex HPMF Hybrid, Curacao



Optionally available
with temperature regulating
Outlast inlay material.



The sophisticated design of the RA660 front protection apron makes it easy and quick to put on or take off.

Protective Material	NovaLite® Plus or Leadfree 2.0			Lead Equivalent Values	Front:	0.25 mm Pb, 0.35 mm Pb, 0.42 mm Pb, or 0.50 mm Pb		
					Back:	0.25 mm Pb or without protection		
Outer Material	ComforTex® HPMF Hybrid							
Colours	8 Colours (see left)							
Closure System	Hook und burr fasteners that are particularly durable							
Sizes*	XS	S	M	L	XL	XXL	3XL	
Chest Girth	≤ 84 cm	85 - 95 cm	96 - 106 cm	107 - 117 cm	118 - 128 cm	129 - 139 cm	140 - 150 cm	
Waist-/Hip Girth	≤ 91 cm	92 - 102 cm	103 - 112 cm	113 - 123 cm	124 - 134 cm	135 - 145 cm	146 - 156 cm	
Lengths	90 cm	100 cm	110 cm	120 cm	130 cm	140 cm		
Recommended height	150 - 160 cm	160 - 170 cm	170 - 180 cm	175 - 190 cm	185 - 195 cm	195 - 205 cm		
Accessory	RA614 - Thyroid/sternum protection for medical personnel							

* The size depends on the girth of the chest, waist, or hip, depending on which of the three measurements is the largest.

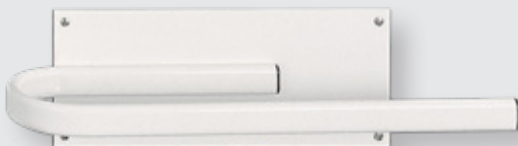
Storage, On Site and Mobile X-Ray Protection

Wall System AW412

For one dental or panoramic apron

With this practical wall system, your radiation protection product is always at hand and stored carefully in a space-saving manner.

- ✓ Functional metal construction
- ✓ For one radiation protection product
- 140 x 500 x 160 mm (H x W x D)
- Colour "medico-white" (RAL 9002)
- Max. 10.0 kg weight capacity
- Empty weight: 1.5 kg



Protective Curtains

Leading technology is manifested in detail

Thanks to our development and technical design, the high weights of the curtains and the special requirements for radiation protection are optimally met.

At MAVIG, you will find an experienced team with expertise in the specialized fields of radiation protection equipment, systems engineering and room planning. Our experts quickly identify the most suitable solutions.

Excellent radiation protection planning, attractive design and functional installations lead to the perfect result you want.



Mobile X-Ray Protective Shields

For a flexible use



In order to avoid being a disturbing factor in the room, all requirements of equipment and procedural methodology of the operation room as well as all demands of the personnel have to be taken into consideration during the conception and development of a mobile shield.

MAVIG produces mobile shields with modern protective materials in a variety of options. Of course, we also welcome specific needs of our clients in addition to our standard offerings.





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