

Radiation Protection Curtain Systems



For an Individual Installation to Fully Meet All Options and Requirements, Partner who is Expert in his Field with Proven Competence over



Quality – Exclusively at MAVIG

To distinguish ourselves from mere standard performance in quality and product requirements, has always been our challenge. Our development and manufacturing activities created materials which are recognized as innovations worldwide, and are utilized exclusively in products bearing the MAVIG trade name.

The exceptional quality characteristics of our exclusive system components make a statement, which we would like to discuss in detail in this brochure.

Leading Technology is Manifested in Detail

Guaranteed safety in radiation protection and constant precision in daily use of our installations goes without saying.

This product commitment applies to the mechanical components (patent pending) which are utilized exclusively for MAVIG Radiation Protection Curtains on a worldwide basis. Our engineering and design concepts allowed us to conquer the heavy weight of the curtains, and to meet the stringent requirements essential for radiation protection.

Traditional components routinely used by manufacturers of shade verticals are not suitable for the weights required for protective curtains. On the other hand, earlier versions of protective systems did not meet desired functionality, ease of operation, and attractive design.

With the new curtain generation, Model 194 NV, MAVIG offers you a viable solution. Join us in helping you meet your requirements for the highest quality standards.

§ Legislation and Guide Lines

As of mid-1995, all MAVIG products have been certified according to the EU-medical product legislation and the EU-guide lines for personal protective gear. All of our products carry the required CE-mark.

Quality management according to EN ISO 9001 and EN 46001 was successfully installed at MAVIG facilities. With MAVIG radiation protection you can be sure to meet current legislative requirements in all EU and selected other countries.



Requirements for Quality, Design, and Function, Requires a Competent Decades: MAVIG

Competent Solutions

Our internationally leading market position is substantiated by the competent solutions in the field of radiation protection which we develop and market. Why don't you, too, benefit from working with a competent partner. As a future oriented enterprise in the field of radiation protection and system technology, MAVIG has been known as an innovative provider of consistently reliable, high quality products for medical technology since 1921.

Individual Consulting

Individual and well-qualified consultation is by far the surest way to achieve optimum results.

At MAVIG, you will encounter a well-versed team, competent in the specialties of radiation protection installations, system technology, and department planning.

Our consultants will quickly determine the best solutions. Faultless radiation protection planning, attractive appearance, and functional installation – this is the road to satisfying and distinctive results.

Perfection through Functionality

MAVIG radiation protection curtains of the new 194NV generation provide the proof.

Expanding on the experience with proven millions of worldwide, daily used shading systems for homes and business, we can now offer you a viable innovation for radiation protection curtains.

Special features not only establish the highest standards for ease of operation, but also provide unsurpassed levels of radiation protection. And let us not forget the appealing design of the product.



MAVIG – innovative provider of constantly reliable, high quality products for medical technology since 1921.

1921



1960



1972



1985



today



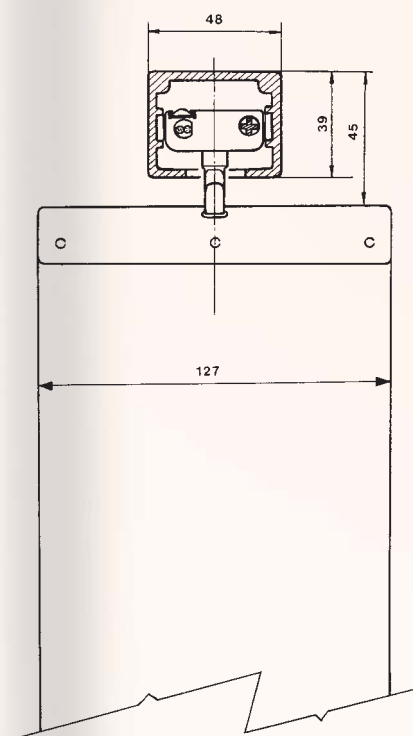
Custom Manufacture

There are practically no limits to the number of options available for designing your installations. With MAVIG radiation protection vertical louver curtains you will find an individual solution for all window type or room layout variations. Each system will be produced at our factory in Munich to your exact installation requirements.

It goes without saying, that our professional team will support your planning efforts on a no-charge and no-obligation basis. We will ascertain jointly with you that adequate radiation protection is achieved, assuring the acceptance of the system by local authorities.

Mechanical Components

The considerable weight of the radiation protection curtain, due to the x-ray absorbing materials and their inclusion in a carrier material, must be dealt with effectively. Since this requirement is not met routinely by products offered by manufacturers of standard shade verticals, MAVIG developed proprietary mechanical components specifically for the radiation protection application. Our curtain head rail as well as all other mechanical components are designed for heavy loads. These design features are documented in the following description of system elements.



Technical Details:

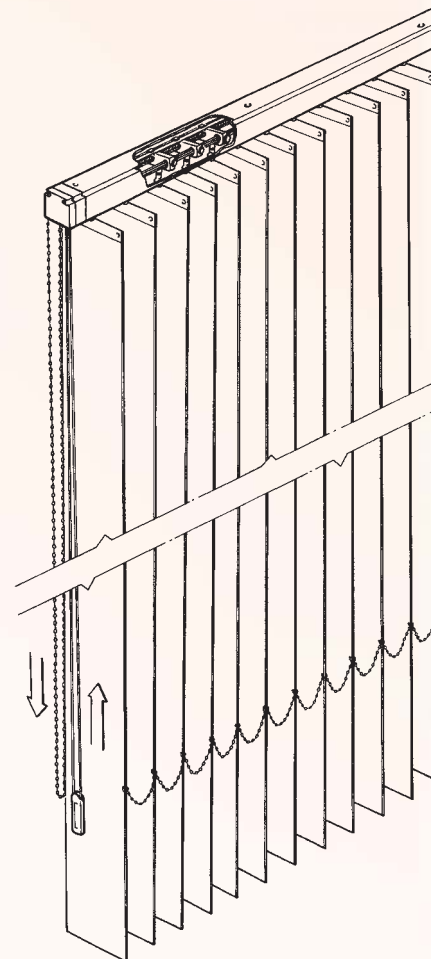
the head rail width is 48 mm.

The distance from the upper rail edge to the upper slat edge is 45 mm.

The exact height of the rail profile is 39 mm.


The slat width is 127 mm.

Each installation design will be agreed upon with you for your specific requirements.




The curtain head rail is extruded from a special aluminum die, the carriages consist of a hardened plastic material with safety ball bearings, the slat connectors are made of a high load capacity carbon fiber material.

There are Practically no Limits to the Number of Options Available for Designing your System.



Traversing and rotating the slats of the MAVIG system is accomplished by means of a special mechanical design, which assures trouble-free operation.



A precise overlap is achieved, even with a window frame installation, by guiding the outer slats flush with the outer edge of the rail and control unit.



With our system, we can achieve a completely torsion-free, vertical, and parallel orientation of the slats, independent of installation size. With precise overlapping and the mechanically supported, absolutely secure closing of the slats, MAVIG installations guarantee unparalleled radiation protection.



If at all possible, technical design should not interfere with attractive appearance.

We have met these criteria by means of a space reduced to a minimum of only 6 mm between the lower edge of the curtain track and the upper edge of the slat. Thus, the "inner workings" are practically hidden. What remains visible, is an attractive, clear-line design.

Ease of Operation

Ease of Operation

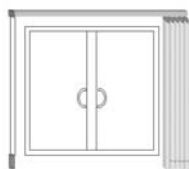
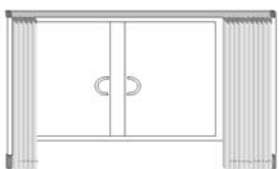
Easy operation and technical longevity distinguish our curtain systems in daily use.

Lateral movement and rotation of the slats is accomplished by means of notch and spindle shafts incorporated in the track, which assure trouble-free performance.

Louver rotation of the manually operated curtain system is achieved by a pull chain and supported by a step-down gear system. Rotation radius is 180 degrees. An easy-to-use pull cord is used to move the louvers.

The slats are secured in the rail and are interconnected with distance chains at the lower third of the louvers.

An additional, important consideration in the development of our new generation of curtain systems was to minimize the thickness of the fully stacked slats. Our goal was fully accomplished by achieving a stacked width of about 1 cm per 10 cm of installation width.





Refined metal pendulum chains are part of our system offering.
The chains are positioned at the lower third of the slats.

Curtain Composition

The curtain slats are made of high quality, single layer lead rubber material utilizing pure natural rubber. Both sides of the slats are treated with an easily maintained and skin friendly coating. The pleasing color “medico white” on the exposed side of the slat is ideally suited for medical office, clinic and hospital installations.

The significant advantages of this material compared to plastic coated rolled lead slats are durability and functionality due to lead rubber single-coat material not breaking or cracking and being strong and flexible. In addition, by using pure lead oxide exclusively which is embedded securely in the carrier layer, any toxic exposure by contact and resulting health risk can be excluded.

A curtain made from this material is unquestionably preferable to the standard format of the plastic coated rolled lead slats. Because of the negative experiences with rolled lead slats, MAVIG neither manufactures nor sells this type of product.

Our vertical slats are manufactured to the visually pleasing width of 127 mm. After diligent consideration and practical evaluations, this width was found to yield the most aesthetic appeal and functionality for medical systems installations.

Lead Equivalent Values

Curtains can be supplied in lead equivalencies of 0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm and 2.5 mm. In a few cases, a higher lead equivalent value may be required. We can offer solutions in these special circumstances, as well, and will be glad to discuss specific situations with you.

www.mavig.com

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