

X-Ray Protective Shield for Urological Interventions

MAVIG

Reduction of Scattered X-Ray Radiation for Urological Interventions

Until now, the necessity of appropriate radiation protective measures for urological interventions in the lithotomy position has not been of a peculiar interest. A recent study conducted by MAVIG has shown though, that the scattered radiation coming out of the patient's body leads to a high exposure to the doctor during urology interventions.

Effective radiation protection has to take into account the distinctive features of procedures carried out in the lithotomy position. The source of the radiation is in most cases above the table. This also adds to the high exposure rate of the doctor, especially for their head which is usually unprotected. Furthermore, common radiation protective shields can be seldomly used due to the special positioning of the patient and the confined space it creates. MAVIG used this as an opportunity to develop a new shield optimized to these specific requirements.

- ✔ Effective radiation protection for the head of the operator
- ✔ Optimized for procedures carried out in the lithotomy position
- ✔ Substantial reduction in the exposure to scattered radiation, especially for the eye lens
- ✔ A perfectly shaped radiation protective shield made of highly transparent lead acrylic
- ✔ Compatible to previously installed Portegra2 ceiling suspensions
- ✔ Specially designed, sterile disposable covers for the lower third of the shield for a perfect fit and clear view

Technical Data for the X-Ray Protective Shield – Series OT81/OT91

Dimensions	Shield size 280 x 420 mm (W x H)
Lead Equivalent	0.50 mmPb
System Contents	Article OT81001 <ul style="list-style-type: none">• Laterally guided, X-ray protective shield• Portegra2 suspension arm with a 750 mm long extension arm and a 910 mm long, height adjustable spring arm• Including one box of 50 sterile, disposable covers Article OT91001 <ul style="list-style-type: none">• Laterally guided, X-ray protective shield• Portegra2 suspension arm with a 950 mm long extension arm and a 910 mm long, height adjustable spring arm• Including one box of 50 sterile, disposable covers
Accessories	Article STEA-OT6 <p>One box of 50 sterile, disposable covers for OT81001 and OT91001</p>



Protect Yourself and Your Back Without Adding Weight or Stress



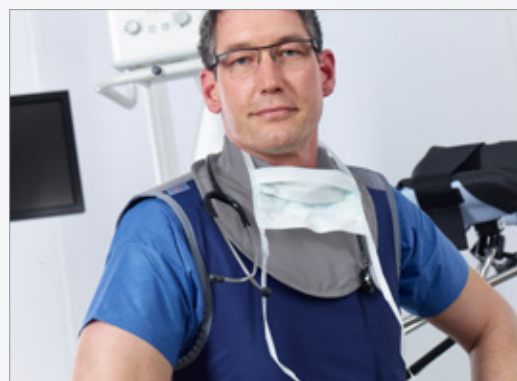
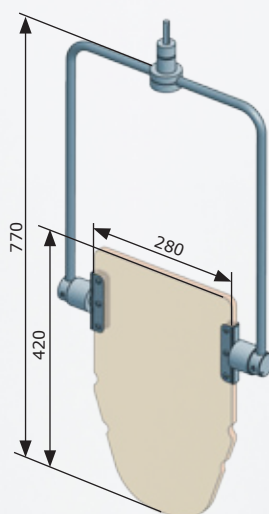
OT81001
OT91001

Solid protection and optimized functionality are guiding principles for all radiation protective shields made by MAVIG. The newly developed design is ideally suited for the urological workflow. The shield offers optimal protection against scattered radiation for the operator in a highly restricted workspace during urologic interventions carried out in lithotomy position.

The high quality shield made of lead acrylic allows for an excellent transmittance and hence an unimpeded view.

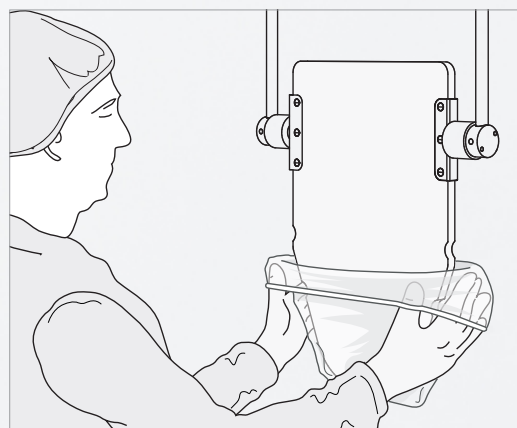
All edges and corners have been rounded, and shatterproof materials are used to minimize the risk of injury to the user and patients.

The laterally guided protective shield can be easily installed with MAVIG's patented Portegra2 suspension arm, which is known industry wide for its safety features and movement flexibility.



The use of radiation protective clothing additionally to the on-site protection is mandatory.

Specially designed, sterile covers for the lower third of the shield allow you to work in a sterile environment and at the same time, have an unobstructed view through the upper part of the shield



Sterile, disposable covers (STEA-OT6) for X-Ray protective shields allow you to work under sterile conditions.

Radiation Protection Improved with Sterile Surgical Gloves HS100 from MAVIG



Ideal radiation protection can be achieved by combining the MAVIG X-ray protective shields with our sterile radiation protection surgical gloves HS100.

- ✓ Lead free
- ✓ Non-toxic
- ✓ Powder-free
- ✓ Low-protein natural rubber
- ✓ Sterile
- ✓ Excellent gripping ability
- ✓ High elasticity
- ✓ Great touch sensitivity
- ✓ High tear-resistant
- ✓ Available in multiple sizes

PORTEGRA²

Portegra2 – A worldwide standard for reliable, ceiling mounted radiation protection and equipment support

For many years now, MAVIG has been the first choice for ceiling suspension systems and radiation protection for many practices and hospitals. The reliable systems have proven with their quality, maximum safety, and the utmost versatility.

Optimized for the daily routine in hospitals and radiology practices, our systems are also suitable for the suspension of our new radiation protective shield for urologic interventions.

Portegra2 is the innovative solution to the necessary, on-site radiation protection in modern interventional radiology.

We will gladly support you in finding the optimal X-ray protection solution to fit your room and use.

MAVIG Life Cycle Testing ensures the highest possible quality for all delivered products. These products are CE compliant and in most cases UL listed. MAVIG is certified by the TUV Product Service ISO 13485:2016.



Innovative Radiation Protection for Urological Applications

Until today, seamless and safe radiation protection for the user's entire head during urologic interventions, carried out in the lithotomy position, was nearly impossible to realize. With MAVIG's shielding solution, this can now be easily achieved.

Ideal radiation protection with one of MAVIG's developed shield for urologic interventions means to you:

*Protection without having to carry more weight
and no limitations in the workflow due to the simple adaptability
of the shield to the room.*



MAVIG GmbH Headquarters

PO Box 82 03 62
81803 Munich
Germany

Stahlgruberring 5
81829 Munich
Germany

Phone +49 (0) 89 420 96 0
Fax +49 (0) 89 420 96 200
e-Mail info@mavig.com

WORLDWIDE MAVIG OFFICES

Nordic & Baltic Countries MAVIG Nordic

Stockholm
Sweden

Phone +46 (0) 722 25 25 68
e-Mail larsson@mavig.com

Benelux, GB, Ireland MAVIG B.V.

Mercuriusweg 86
2516 AW Den Haag
Netherlands

Phone +31 (0) 70 33 11 688
Mobile +31 (0) 61 595 43 48
e-Mail simmonds@mavig.nl

France MAVIG France SARL

66, Ave. des Champs Elysées
F-75008 Paris
France

Phone +33 (0)1 30 59 46 23
Fax +33 (0)1 30 59 46 23
e-Mail info@mavig.fr

Southeast Europe MAVIG Southeast Europe

Ljubljana
Slovenia

Phone +386 (40) 6 33 900
e-Mail dejak@mavig.com

China MAVIG Healthcare Beijing Co., Ltd.

Room #1010, Floor 9
#609 Wang Jing Yuan
Chaoyang District
Beijing 100102, P.R.China

Phone +86 - 10 - 64 78 19 21
Fax +86 - 10 - 64 78 19 21
Mobile +86 - 13 70 122 85 86
e-Mail zhang@mavig.com

REPRESENTATION

USA & Canada Ti-Ba Enterprises, Inc.

25 Hytec Circle
Rochester, NY 14606
USA

Phone +1 (585) 247 1212
Fax +1 (585) 247 1395
e-Mail mavigusteam@mavig.com

Middle East & Northern Africa Mena Medical Development

Ashrafieh – Adlieh Square – Alfaras St.
- Alboustany Building, 5th floor
Beirut
Lebanon

Phone +961 14 23 499
Fax +961 14 26 499
e-Mail mavig@mena-md.com

Russian Federation AO Sante Medical Systems

Novodmitrovskaya 2, bld.1
127015 Moscow
Russia

Phone +7 499 551 55 73/75
e-Mail info@sante.ru

www.mavig.com