



 Made in
France

PRESENTATION OF OUR
CLOTHES AND
ACCESSORIES FOR
PROTECTION FROM
RADIATION

”
Your radiation
protection partner
since 1990
“

PromEGA

The only French manufacturer of radioprotective aprons.

2021 |

Consult our products on :
www.promega.fr

PROMEGA

EDITORIAL

The PROMEGA company has been the only French manufacturing company since 1990 making radiation-protective clothing and accessories and supplying numerous public and private establishments in the medical, nuclear, military and industrial sectors, situated throughout France and its overseas territories, and more recently in other countries and continents.

Our clients' loyalty attests to the reliability and quality of our products. It's not unusual to find within these establishments our lead aprons in use for more than ten years.

Our Individual Protective Equipment are marked CE by the IRSN, and, conforming to the current regulations, each piece of our radiation-protective equipment carries an identification label and explicative notice.



REACTIVITY

Promega promises to reply to you with 48 hours, and, as we manufacture in France, we commit to a delivery period of three to four weeks.



KNOW-HOW

Our drawing office and our manufacturing workshop are at your disposal to talk over all your radiation-protection projects. We are permanently on the lookout for new technology with the aim of improving our products.



FOLLOW-UP

Our production carries a two-year guarantee. Our workshop is at your service for any repair even if it is not covered by the guarantee.

C NTENTS

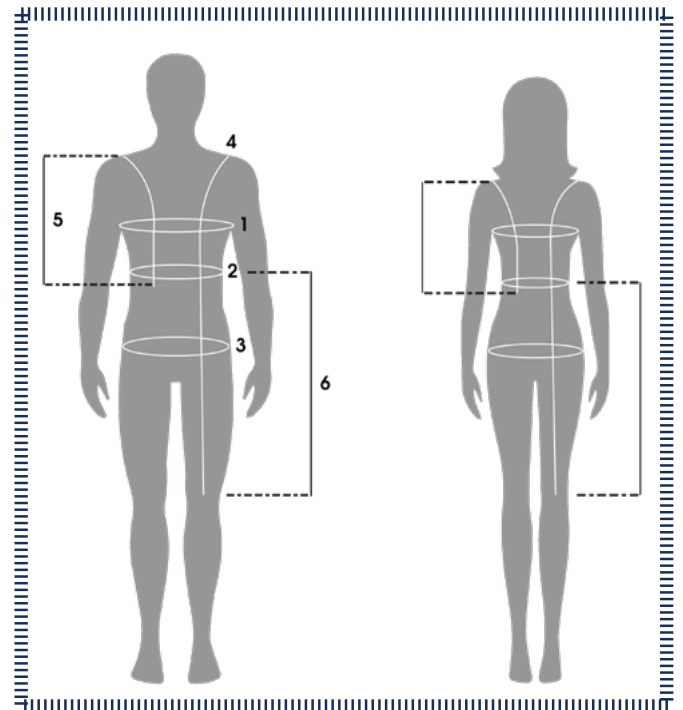
How to choose your size	4
Our protective range	6
Coverings and colors	7
From yesterday to today	8
Full wrap lead aprons	9
Jacket and skirt outfits	15
Frontal lead aprons	19
Accessories	23
Patients protection	29
Children protection	35
Eyes protection	37
Collective protection equipment	43
Storage systems	55
Other products	58
Biotrace	60
General information	62

Photos and description non-contractual. Promega reserves the right to carry out any improvement or modification to our products that we feel are necessary. Any reproduction, even partial is forbidden without autorisation from Promega.

HOW TO CHOOSE YOUR SIZE

Take your measurements

- 1 - Chest measurement :
Under the arms at the fullest part of the chest.
- 2 - Waist measurement :
At the narrowest part of the waist.
- 3 - Hip measurement :
At the fullest part of the hips.
- 4 - Length from shoulders to knees :
From the middle of the shoulder to the knees following a curve over one breast.
- 5 - Length from shoulders to waist :
From the middle of the shoulder to the waist (just below the navel).
- 6 - Length from waist to knees :
From the waist, above the crests, to the knees.



Choose your size

Using following tables, choose the size required among the six available (XS to XXL), then check the length. Please contact us for other sizes and if you are not sure.

FULL WRAP LEAD APRONS FRONTAL LEAD APRONS						
Size	XS	S	M	L	XL	XXL
Chest measurement (1)	< à 93	< à 96	< à 103	< à 109	< à 117	< à 126
Waist measurement (2)	< à 96	< à 101	< à 106	< à 114	< à 121	< à 130
Hip measurement (3)	< à 100	< à 105	< à 111	< à 116	< à 124	< à 131
Length*	95	95	100	105	110	110

JACKETS						
Size	XS	S	M	L	XL	XXL
Chest measurement (1)	< à 93	< à 96	< à 103	< à 109	< à 117	< à 126
Waist measurement (2)	< à 96	< à 101	< à 106	< à 114	< à 121	< à 130
Length*	52	54	56	61	63	66

SKIRTS						
Size	XS	S	M	L	XL	XXL
Waist measurement (2)	< à 72	< à 80	< à 90	< à 101	< à 113	< à 126
Hip measurement (3)	< à 100	< à 105	< à 111	< à 116	< à 124	< à 131
Length*	51	53	54	56	57	58

Important : in order for a piece of clothing to offer the protection for which is has been designed, it is indispensable to choose the correct size for the wearer.

* Beyond manufacturing tolerance

HOW TO CHOOSE YOUR SIZE

Please photocopy this page and note your measurements and attach it to your order or your request for a quote.

Model :

Size :

Lead range : « S-Light » « U-Ultra-light » « L - No Lead »

LE in mm front / rear : /

Fastening : Velcro Buckles

Covering : PA PVC

Colors :

INFORMATIONS

Establishment :

Department :

User :

Sex :

(1) chest measurement (cm)

(2) waist measurement (cm)

(3) hip measurement (cm)

(4) length from shoulders to knees (cm)

(5) length from shoulders to waist (cm)

(6) length from waist to knees (cm)

OPTIONS AND ACCESSORIES

Outside pocket : YES NO

Embroidery : YES NO

If yes :

Belt : YES NO

Belt : Wide Strap

No-removable sleeve : YES NO

Arm : Right Left

P-THY Kit (option P22) : YES NO

Length : Standard (±) cm

Other :

OUR PROTECTIVE RANGE

PROTECTION AND WEIGHT

Our aprons and accessories are available in three ranges of material :



Range « S » Light

Composed of 100% lead, this range is currently the most efficient against ionizing radiation produced by the high energies manipulated in nuclear medicine. It is already lighter by 10% compared to the economical materials offered on the market.



Range « U » Ultra-Light

Made up of lead and other elements, this range is even lighter. It provides a gain of 10% compared to the "S" range.

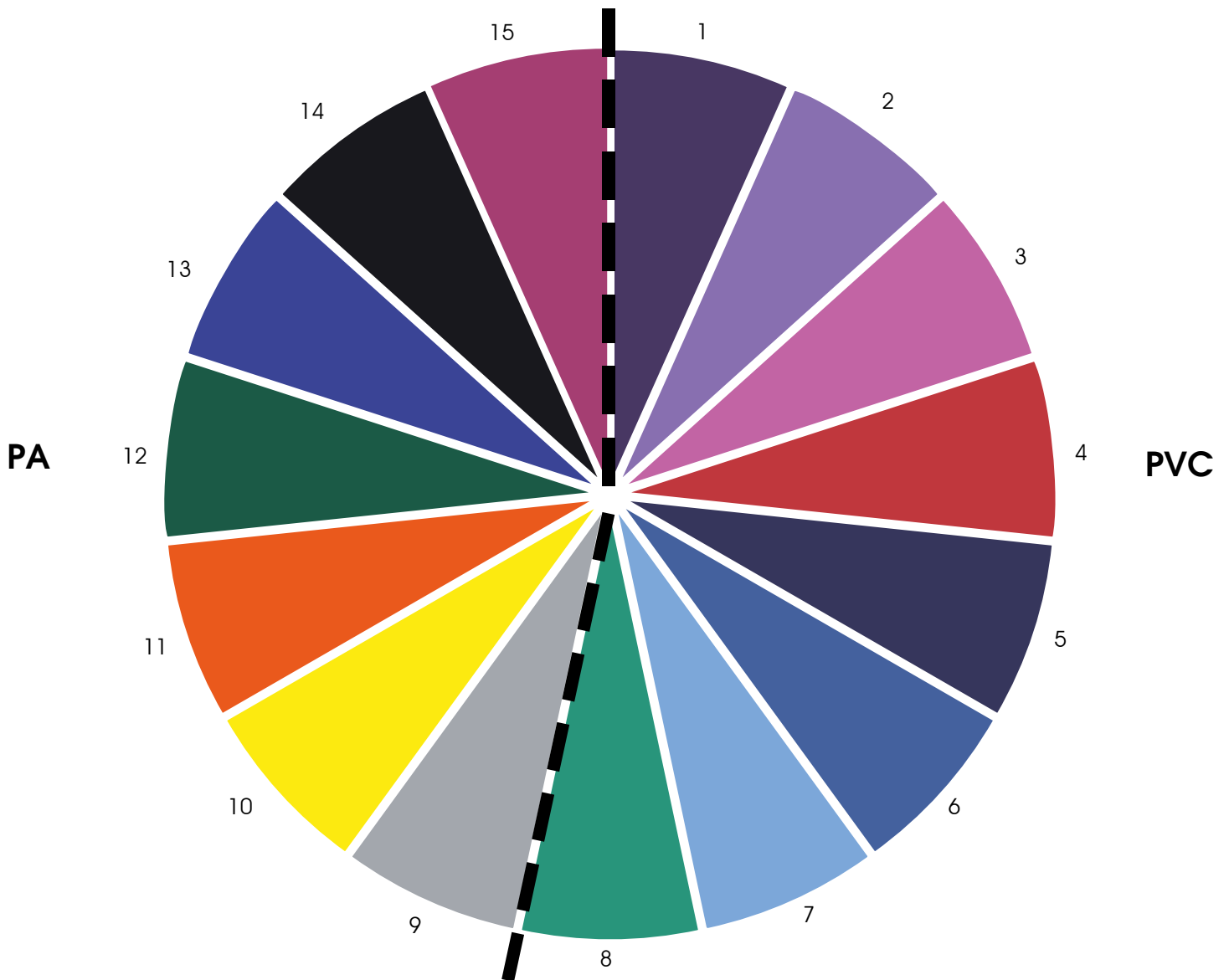


Range « L » No-Lead

Lighter than the «U» range, the «L» range does not contain lead but is composed of other heavy metals.

We recommend that you approach your CPR (Competent Person for Radiation protection) to determine the most suitable equipment for your work post.

COVERINGS AND COLORS



PA

- | | |
|------------|-------------------|
| 9. Grey | 13. Royal blue |
| 10. Yellow | 14. Midnight blue |
| 11. Orange | 15. Plum |
| 12. Green | |

PVC

- | | |
|-----------|----------------|
| 1. Purple | 5. Navy blue |
| 2. Lilac | 6. French blue |
| 3. Pink | 7. Sky blue |
| 4. Red | 8. Green |

All our models are provided with :

- A waterproof interior PA lining,
- Padded shoulders for extra comfort,
- An interior pocket for a dosimeter, ideally positioned in the centre of the chest.

PA (Polyamide) : internal coated fibres

Recommended in the medical sector for conventional radiology and for nuclear medicine.

PVC : external PVC coated polyester/jersey fibres

Recommended in the medical sector for interventional radiology and for the operating block.

FROM YESTURDAY TO TODAY



At the beginning lead aprons were composed of real sheets of lead in order to protect the practitioner in his work. Of course, these aprons were very heavy and over time weighed on the wearers' shoulders.



Nowadays lead aprons have evolved and are less heavy.





FULL WRAP LEAD APRONS

FULL WRAP LEAD APRONS

Materials conform to IEC standard 61331-1 & 61331-3

• Model 525



Closed coat-style apron made up of two panels which overlap completely in the front.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

This model can also be completed with a belt in order to spread the weight of the apron (optimised weight distribution to reduce load on back and shoulders).

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

Front :
2 x 0.25 mm Pb

Rear :
0.25 mm Pb
0.35 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustable straps and quickfastening buckles
◇ Velcro

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Wide belt
- Strap belt
- Two-tone apron
- Outside breast pocket
- No-removable sleeve
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

FULL WRAP LEAD APRONS

Materials conform to IEC standard 61331-1 & 61331-3

• Model 526



Full frontal overlap for total protection with on panel attached under the shoulder.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

This model can also be completed with a belt in order to spread the weight of the apron (optimised weight distribution to reduce load on back and shoulders).

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

Front :
0.25 mm Pb
0.35 mm Pb
0.50 mm Pb

Rear :
0.25 mm Pb
0.35 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustables straps and quickfastening buckles
◇ Velcro

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Wide belt
- Strap belt
- Two-tone apron
- Outside breast pocket
- No-removable sleeve
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

FULL WRAP LEAD APRONS

Materials conform to IEC standard 61331-1 & 61331-3

• Model 527



Closed apron made up of two panels which overlap by 7 to 8 cm in the front.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

This model can also be completed with a belt in order to spread the weight of the apron (optimised weight distribution to reduce load on back and shoulders).

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

Front :
0.25 mm Pb
0.35 mm Pb
0.50 mm Pb

Rear :
0.25 mm Pb
0.35 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustables straps and quickfastening buckles
◇ Velcro

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Wide belt
- Strap belt
- Two-tone apron
- Outside breast pocket
- No-removable sleeve
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

FULL WRAP LEAD APRONS

• Belts

Thanks to our belts, the weight of the full wrap lead aprons is spread equally between shoulders and hips. This accessory is ideal to release load on back and shoulder. It offers a perfect comfort.



Wide belt :

Composed of a broad rigid section on the back (13 cm), and rubber bands on the sides, this belt attaches in front with an adjustable strap with a quick release buckle.

Two small buckles keep the belt attached to the belt loops on the apron.



Narrow strap belt :

Quick release buckle fixed to an adjustable belt which can be attached to the apron so as not to lose it.

	Size	Length	Apron size
Wide belt	1310F	63-105 cm	XS-M
	1310H1	90-120 cm	L-XL
	1310H2	90-140 cm	XXL
Narrow belt	1300F	105 cm	XS-M
	1300H	145 cm	L-XXL

PromEGA

OUR OPTIONS IN PHOTOS



Embroidery 30 characters
Kit to fix P-thy to lead apron



Embroidery logo



Embroidery on velcro
Outside breast pocket



JACKET & SKIRT OUTFITS

JACKET AND SKIRT OUTFITS

Materials conform to IEC standard 61331-1 & 61331-3

• Model G



The jacket is made up of two panels which overlap completely in the front.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

All three models have an A-line skirt which is made up of two front panels.

Skirt has a Velcro fastening with a quick-fastening buckle.

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

Front :
2 x 0.25 mm Pb

Rear :
0.25 mm Pb
0.35 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustable straps and quickfastening buckles
◇ Velcro

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Two-tone apron
- Outside breast pocket
- No-removable sleeve
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

JACKET AND SKIRT OUTFITSS

Materials conform to IEC standard 61331-1 & 61331-3

• Model H



The jacket has one big panel in the front which attaches below the shoulder on a little panel.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

All three models have an A-line skirt which is made up of two front panels. Skirt has a Velcro fastening with a quick-fastening buckle.

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

Front :
0.25 mm Pb
0.35 mm Pb
0.50 mm Pb

Rear :
0.25 mm Pb
0.35 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustables straps and quickfastening buckles
◇ Velcro

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Two-tone apron
- Outside breast pocket
- No-removable sleeve
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

JACKET AND SKIRT OUTFITS

Materials conform to IEC standard 61331-1 & 61331-3

• Model K



This jacket is made up at the front of a panel which is held to the body by two panels which cross at the back and fasten in the front by a quick-fastening buckle attached to straps which form an adjustable belt.

Thanks to the shape of this model, the weight can be spread between shoulders and hips, making it feel lighter.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

All three models have an A-line skirt which is made up of two front panels. Skirt has a Velcro fastening with a quick-fastening buckle.

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

Front :
0.25 mm Pb
0.35 mm Pb
0.50 mm Pb

Rear :
0.25 mm Pb
0.35 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustables straps and quickfastening buckles
◇ Velcro

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Two-tone apron
- Outside breast pocket
- No-removable sleeve
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG



FRONTAL LEAD APRONS

FRONTAL LEAD APRONS

Materials conform to IEC standard 61331-1 & 61331-3

• Model VX



This frontal lead apron is made up at the front of a panel which is held to the body by two straps which cross at the back and fasten in the front by a quick-fastening buckle which form an adjustable belt.

Braces are optional, which can be fitted with wide elastic straps which attach to the hips by means of Velcro

This «diagonal» fixation helps to spread the weight of the garment between the shoulders and the hips and considerably improves the light feel by providing ease of movement.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

0.35 mm Pb
0.50 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustables straps and quickfastening buckles

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Velcro fastening
- Velcro fastening with elastic
- Two-tone apron
- Outside breast pocket
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

FRONTAL LEAD APRONS

Materials conform to IEC standard 61331-1 & 61331-3

- **VX initial**



PROTECTIVE RANGE

S - Light

LEAD EQUIVALENCE

0.35 mm Pb
0.50 mm Pb

EXTERNAL COATINGS / COLORS

Woman : **PA Plum**
Man : **PA Royal blue**

TYPE OF CLOSURE

◇ Sangles réglables et boucles d'attaches rapides

TYPE OF CLOSURE

◇ Adjustable straps and quickfastening buckles

SIZE

Woman or man

This frontal lead apron is made up at the front of a panel which is held to the body by two straps which cross at the back.

This «diagonal» fixation helps to spread the weight of the garment between the shoulders and the hips and considerably improves the light feel by providing ease of movement.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.

Minimum quantity : 10 (same size).

FRONTAL LEAD APRONS

Materials conform to IEC standard 61331-1 & 61331-3

• Model BLOC



PROTECTIVE RANGE

S - Light
U - Ultra - light
L - No - Lead

LEAD EQUIVALENCE

Other thicknesses upon request

0.35 mm Pb
0.50 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

◇ Adjustables straps and quickfastening buckles

SIZE

XS to XXL
Custom-made upon request

OPTIONAL FEATURES

- Velcro fastening
- Velcro fastening with elastic
- Two-tone apron
- Outside breast pocket
- Embroidery text (30 characters)
- Embroidery text on Velcro (15 characters)
- Embroidery logo
- RFID TAG

This frontal lead apron is made up at the front of a panel which is held to the body by two straps which cross at the back.

The braces are not stitched under the arms, so that this model, specially designed for surgeons, can be unfastened and removed without touching the sterile gown.

Once the fastenings have been undone, the apron slips off by itself.

With our system of loops, the apron can be hung up easily on our hangers and specially made supports.

The shoulders are padded for improved comfort; an inside pocket sewn into the lining has been specially designed to hold your dosimeter.



ANTI-X-RAY ACCESSORIES

ANTI-X-RAY ACCESSORIES

Materials conform to IEC standard 61331-1 & 61331-3

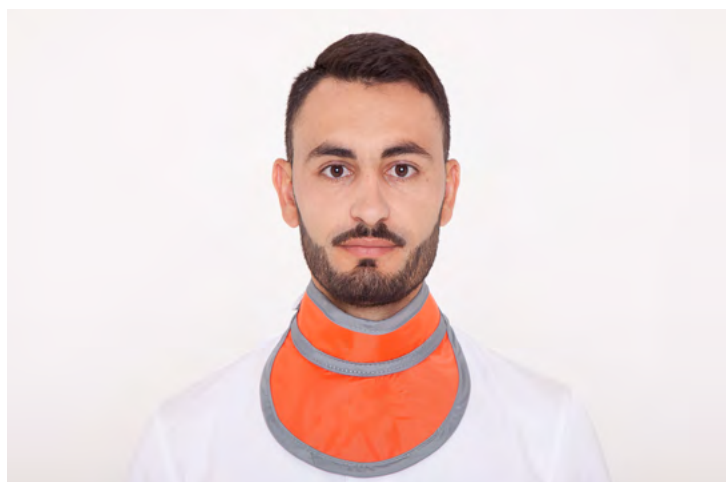
• P-Thy : Thyroid-collar shield



Cut as one complete piece out of the protective material, there are no seams which would reduce the protection of the user.

	(1) Code size and dimensions	Bib (cm)		Collar (cm)	
		Height	Width	Length	Height
P-thy	N = Standard	13.5	18.5	53	5
	V = Long	17.5	18.5	53	5
	U = Large	15	23	68	6

• P-Thy casquette



The cap shape gives improved comfort and ease of user.

	(1) Code size and dimensions	Bib (cm)		Collar (cm)	
		Height	Width	Length	Height
P-thy cap (one size)		19	22	55	8

PROTECTIVE RANGE

S - Light
U - Ultra - light

LEAD EQUIVALENCE

Other thicknesses upon request

0.35 mm Pb
0.50 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

TYPE OF CLOSURE

- ◇ Velcro (the collar overlaps or crosses diagonally)
- ◇ Strap and buckle
- ◇ Magnetic

SIZE

See tables

OPTIONAL FEATURES

- Embroidery text (30 characters)
- Embroidery initials (3 characters)
- RFID TAG

Protective sleeve for P-THY

Removable protection in white machine-washable honeycomb cotton.

Sold in packets of 2 or 10.

Réf. 128(1)/2

lot de 2

Réf. 128(1)/10

lot de 10

Kit to fix the P-thy to lead apron

Straps and quick release buckle 25 mm attaching the thyroid protector to the apron.

Réf. P1650N

ANTI-X-RAY ACCESSORIES

Materials conform to IEC standard 61331-1 & 61331-3

• Cap



Head protection with a peripheral tightening cord for an adjusted fit.

External coating in PA only.

Size	Head measurement
M	> than 56 cm
W	< than 56 cm

PROTECTIVE RANGE

S - Light
U - Ultra - light

LEAD EQUIVALENCE

Other thicknesses upon request

0.25 mm Pb
0.35 mm Pb
0.50 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

• Sleeves



Additional sleeves for approved aprons to protect armpits from the diagonal ionising rays the user may be exposed to.

Removable sleeves : these sleeves are adaptable to all types of leaded protective garments, being placed over the arm before putting on the apron. A Velcro fastening at the neck completes the adjustment. This model, being reversible, is suitable for both left and right arms.

No-removable sleeves : Right or left sleeve assembled at production on our aprons. Coating and size matches the apron.

Long sleeves : upon request.

ANTI-X-RAY ACCESSORIES

Materials conform to IEC standard 61331-1 & 61331-3

- **Lead mittens : Mou-C model**



Thumb is independant from fingers. A tightening cord with Velcro at the wrist to easily locate the upper side of the mitten.

Sizes & dimensions

Size	Dimensions (cm)	
	Length	Width
M	42	13
W	40	11.5

- **Mou-P model**



The upper side of the mitten is formed of a racket shaped panel. The underside of the mitten allows for free movement of the fingers to hold a child's limb for example.

The thumb of the four fingers can be freed through two slits and still be protected by the upper side.

A Velcro strap at the wrist holds the mitten in place leaving the hand free.

Sizes & dimensions

Size	Dimensions (cm)	
	Length	Width
M	40	19,5
W	38	17

PROTECTIVE RANGE

S - Light
U - Ultra - light

LEAD EQUIVALENCE

Other thicknesses upon request

Above :
0.35 mm Pb
0.50 mm Pb

Underside :
0.25 mm Pb
0.35 mm Pb
0.50 mm Pb

EXTERNAL COATINGS / COLORS

PA : page 7

ANTI-X-RAY ACCESSORIES

- Surgical radiation protection gloves**



Caution : These gloves are not designed for direct or primary x-ray beams. The aim of these gloves is to protect the hands from scattered secondary radiation exposure originating from the x-ray beam during fluoroscopic procedures.

These gloves are sold in packs of 5 pairs of identical size.

Use :

The thinnest gloves, XP/1, are recommended for angiography, urology, hemodynamic and delicate surgery because they offer the maximum touch sensitivity.

The XP/2 gloves of a standard thickness are recommended in urology, oncology, pace-maker fitting and general surgery.

The thickest gloves, XP/3, are recommended for traumatology in general.

Description :

Sterile multi-layer gloves composed of an external layer of lead O₂ and an internal layer of rubber in a solution of latex-free silicone benzoic thus avoiding direct contact of lead with the skin.

Hypoallergenic gloves have the advantage of being protein free. The manufacture in multi layers avoids the risk of micro-holes. The gloves is waterproof.

Total length : 290 mm.

		XP/1	XP/2	XP/3
Attenuation	60 kV	40 %	68%	75%
	±5% Filter AL 2,5 mm	35%	61%	69%
	80kV	30%	54%	63%
Thickness (mm)	100 kV			
	Finger	0.18	0.33	0.46
	Palm	0.20	0.34	0.45
	Wrist	0.20	0.32	0.42

Dimensions

Size	6.0	6.5	7.0	7.5	8.0	8.5	9.0
Width (mm)	77 ± 5	83 ± 5	89 ± 5	95 ± 5	102 ± 6	108 ± 6	114 ± 6
Length (mm)	290 ± 5	290 ± 5	290 ± 5	290 ± 5	290 ± 5	290 ± 5	290 ± 5

ANTI-X-RAY ACCESSORIES

• Gants radio-atténuateurs



These gloves are specially designed surgical gloves with X-Ray Radiation protection properties. These gloves protect the hands from Scattered and Secondary X-Ray radiation during various surgical procedures.

For Latex Gloves: Product contains natural rubber latex. May cause reactions in people who are allergic to natural rubber.

Made in two thickness :

- The finest, model « sheer »
- The thickest, model « prime »

Caractéristiques :

- Lead free
- Powder free
- Sterile
- Disposable
- Textured finger for perfect grip
- Superior tactile sensitivity
- Uniform thickness from fingers to cuff
- Anatomic shape and ergonomical design
- Soft, flexible and elastic
- Available in size from 6.0 to 9.0

These gloves are sold in packs of 5 pairs of identical size.

		Latex gloves		Latex free gloves	
		Prime	Sheer	Prime	Sheer
Attenuation	60 kV	69.6%	46.8%	63.1%	44.9%
	80 kV	60.9%	39.2%	54.4%	37.5%
	100 kV	53.8%	33.5%	47.4%	32.0%
	120 kV	48.2%	29.0%	42.0%	27.6%
Thickness (mm)	Finger	0.35	0.25	0.35	0.25
	Palm	0.32	0.22	0.32	0.22
	Wrist	0.32	0.22	0.32	0.22

Dimensions

Size	6.0	6.5	7.0	7.5	8.0	8.5	9.0
Palm width (mm)	79+/-3	83+/-3	87+/-4	92+/-5	102+/-5	108+/-6	114+/-6
Length (mm)	280	280	280	285	285	290	290



PATIENTS PROTECTION

PATIENTS PROTECTION

Materials conform to IEC standard 61331-1 & 61331-3

• Dental cape



Aprons specially designed for the protection of patients during dental radiological exams.

Protective range : S « Light » or U « Ultra-Light ».

Total front protection and neck opening : 0.35 or 0.50 mm Pb.

External coatings : PA or PVC

Colors : page 7

Velcro fastening behind

Available in 2 sizes : adult (60x90 cm) or child (45x70 cm)

Other size upon request

Options :

- Embroidery (text, logo...)
- RFID TAG

• Lead blanket



Rectangular blanket for patients for use in incubators, post-op recovery rooms, scanners, etc...

Protection 0.50 mm Pb for the range « S » Light.

Waterproof coating in PVC in a choice of colors.

Available in the following dimensions :

40x50 cm - 50x70 cm - 60x100 cm - 90x100 cm - 100x150 cm

Other dimensions, protections or range are possible.

Options :

- Eyelets, Velcro or straps
- Embroidery
- RFID TAG

PATIENTS PROTECTION

Materials conform to IEC standard 61331-1 & 61331-3

- **Frontal lead half apron**



A frontal lead half apron designed for the protection of the reproductive organs of child and adult patients.

It also protects pregnant or potentially pregnant women.

The shield is kept in place over the ventral area by a fully adjustable Velcro strap.

PVC coating which is easy to clean in a choice of colors.

Protective range : S « Light » or U « Ultra-Light ».

Lead equivalence : 0.50 , 0.75 et 1 mm Pb.

Options :

- Embroidery
- RFID TAG

Dimensions

	Height x Width
Large size	45 x 60 cm
Adult	40 x 48 cm
Child	30 x 37 cm
Baby	20 x 25 cm

- **Breast protector**



Adjustable spacing. Held in place by radio-transparent ribbon.

Both sides are coated in easily cleanable PVC in a choice of colors.

Lead equivalence 0.50 mm Pb, « S » Light.

Ø = 15 cm

PATIENTS PROTECTION

Materials conform to IEC standard 61331-1 & 61331-3

- **Gonad shields**



With a triangular form, adapted to male and female body shape, two sides of this triangle are slightly rounded to enable correct positioning between the thighs and the pubis.

The shield is held in place on the patient by a narrow strap equipped with a quick release buckle for the «adult» and «teenage» sizes, and by a radio-transparent ribbon for the other sizes.

Both sides are coated in easily cleanable PVC in a choice of colors.

Lead equivalence 1 mm Pb, S « Light ».

Options :

- RFID TAG

Dimensions

	Hight (cm)	Width (cm)
Adult	26.5	25
Teenager	20	22
9/11 years	14	16
6/8 years	10.5	12
3/5 years	9	10.5
Baby 1 year	7.5	8.5
New-born	5.5	6.5

PATIENTS PROTECTION

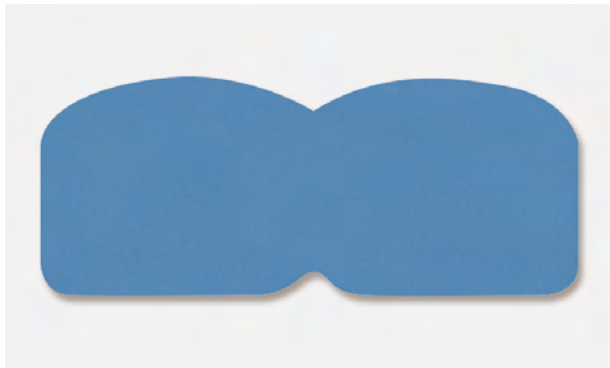
CT SHIELDS

Managing radiation doses during CT scans is key to avoid potential cancer risks and radiation damage to the sensitive tissues of the breast, thyroid gland and eyes. These CT shields substantially reduce radiation damage and cancer risks to the most sensitive regions of a patient.

Product description :

- Lead free
- Lead equivalence : 0.07 mm Pb

- **Breast shield**



Reduce cancer risk during CT scan by providing over 67% protection to the sensitive tissues of the breast.

Dimensions (mm) :

Size	Length	Width
Medium	430	200
Large	530	200

Weight :

Medium = 300 grams

Large = 360 grams

Packet of 1.

PATIENTS PROTECTION

- **Eye shield**



Reduce over 60% radiation to the eye from the CT scanner

Dimensions (mm) :

Length	Width
150	40

Weight :
16 grammes

Packet of 20.

- **Thyroid shield**



Provides over 65% protection to the sensitive thyroid gland and prevents tissue damage

Dimensions (mm) :

Length	Width
150	90

Weight :
39 grams

Packet of 20.



CHILD PROTECTION

CHILD PROTECTION

Materials conform to IEC standard 61331-1 & 61331-3



PROTECTIVE RANGE

S - Light
U - Ultra - light

LEAD EQUIVALENCE

From 0.35 to 1 mm Pb depending on the chosen equipment.

EXTERNAL COATINGS / COLORS

PA : page 7
PVC : page 7

SIZE

All items of our equipment can be manufactured in baby, child or teenage sizes.

OPTIONS

Upon request.

We can study all your protection project for child and teenager.

We have 2 models : VX (P.20) and 526 (P.11)

We have various optional embroidered motifs and our RFID TAG.

Type of closure : adjustables straps and quickfastening buckles

Thyroid protection

Lead equivalence 0,50 mm Pb.

Two sizes : Baby & Child.

Closure : Velcro



EYE PROTECTION

EYE PROTECTION

All our glasses provide front and side protection and are delivered with a chamoisine, a tightening cord and a storage case.

Our SCHOTT SF-6 (2.8 mm) lead eye pieces are optical 1 quality (the best on the market with transmission of 85% of the visible light). The equivalent protection is 0.75 mm lead for x-ray tension of between 65 KV and 300 KV. Tests carried out in the only laboratory approved in Finland by SGS.

LEAD EQUIVALENCE

Front : 0.75 mm Pb
Side : 0.50 mm Pb

RECOMMENDED OPTION :

REF. F9000 Anti-reflection treatment

Corrective lenses options :

REF. F9001 2 single vision lenses (1)
REF. F9002 2 progressive lenses (1) (2)

(1) Standard strengths +6/-6 dioptré cylinder 2,00. Please supply the prescription specifying the correction and the pupil spacing.

(2) Please have the bi-focal height measures taken by your optician with our frame.

• Fit-over glasses model FX 75



With these large glasses (4,64 cm² eye pieces) the wearer can keep his corrective spectacles.

Weight : 90 g

Frame color : matt black

Ref. FX7501B

EYE PROTECTION

- **Googles Astropec 250**



These glasses have been present on the market for many years and are acclaimed by wearers and CPRs alike.

Arms are adjustable in length and tilt.

Weight : 90 g

Ref. F9178

- **Googles RG50**



This contemporary frame offers ideal envelopment and impact protection with a foam insert.

High impact TR-90 nylon frame.

Complies with CE 120 (Europe) and ANSI Z87-2 + (USA) standards.

Weight : 72 g

Frame color : argenté

Ref. F9401

PROTECTION DES YEUX

All our glasses provide front and side protection and are delivered with a chamoisine, a tightening cord and a storage case.

LEAD EQUIVALENCE

0.75 mm Eq Pb

OPTION

REF. F9303 2 single vision lenses

Concave in shape, these modern and sporty frames allow ideal envelopment and protection (front and side).

- **Googles Oslo**



Frame color : shiny black

Weight : 75 g

Mineral lens : 3.5 mm

Ref. F93010

- **Googles Berlin**



Frame color : matt black

Weight : 76 g

Mineral lens : 3.5 mm

Ref. F9301B

EYE PROTECTION

All our glasses provide front and side protection and are delivered with a chamoisine, a tightening cord and a storage case.

LEAD EQUIVALENCE

Front : 0.75 mm Pb

RECOMMENDED OPTION :

Corrective lenses options :

REF. F9001 2 single vision lenses (1)
REF. F9002 2 progressive lenses (1) (2)

(1) Standard strengths +6/-6 dioptr cylinder 2,00. Please supply the prescription specifying the correction and the pupil spacing.
(2) Please have the bi-focal height measures taken by your optician with our frame.

- **Googles D-4N**



This model, in addition to its leaded base frame, features a clip-off frame to accommodate non-leaded prescription lenses, allowing the user to go wherever they want for their prescription lenses.

Once the 2nd frame has been unclipped, the lead frame can be used by any other user.

Weight : 76 g

Frame color : blue

Ref. F9501



EYE PROTECTION

With its lead impregnated acrylic visor offering protection from ionising radiation and its adjustable headpiece, these visors can be worn over prescription spectacles.

Can be cleaned with a soft cloth. Abrasive materials can scratch the front lense. Not suitable for high temperature or high-pressure sterilisation.

Our visors are delivered with a protective soft case.

Energy	60 KV	81 KV	102 KV
Level of reduction*	93 %	89,2 %	85,4 %

* Scattered radiation, 50 cm from the beam, 35 cm from the test model head, tensions at 100 mAs

LEAD EQUIVALENCE

0.10 mm Pb

OPTIONAL

Hygiene Kit

Ref. 130N/2

For your comfort and hygiene, our visors and masks are always delivered with two foam and cotton washable protections fixed to the frame by Velcro (replacement consumables sold in set of two)

- **Panorama visor ES80**



Front and side eye protection.

Acrylic visor.

Dual adjustable headpiece for improved comfort.

Visa can be positioned at any angle.

Reference	Protection	Weight
FES8010	0.1 mm Pb	437 g

- **Total protection mask ES81**



Total face protection.

Acrylic visor.

Dual adjustable headpiece for improved comfort.

Visa can be positioned at any angle.

Reference	Protection	Weight
FES8110	0.1 mm Pb	459 g



| C.P.E.

Our flexible table mounted lower body shields are made up of one piece of protective curtain or overlapping panels which are suitable for high radiation levels or when using mobile C-arm equipment. Waterproof PVC coating for easy cleaning. Our standard protection is 0,50 mm LE and a height of 70 cm, however, we can provide any other configuration. These shields can be equipped with an optional RFID TAG.

• BV2 model



This table shield is particularly recommended in vascular departments.

Articulated arm anodized aluminium new lightweight construction, single or double pivots (folds in the shape of an L or a Z).

This shield is reversible and attaches easily to the right or left of the table rail 25 x 10 mm.

PROTECTIVE RANGE
S - Light
LEAD EQUIVALENCE
0.50 mm Pb
EXTERNAL COATING / COLOR
PVC / navy blue
OPTIONAL
<ul style="list-style-type: none"> Removable hard top shield 0,50 mm Pb. Flange equipped with a return for DIN rail.

References

	Description	I x H (cm)	Curtain / panels
BV2S505P	Single pivot	50 x 70	1 curtain
BV2S505L	Single pivot	50 x 70	3 panels
BV2S517P	Single pivot	75 x 70	1 curtain
BV2S517L	Single pivot	75 x 70	4 panels
BV2S507P	Double pivot	75 x 70	1 curtain
BV2S507L	Double pivot	75 x 70	5 panels
BV2S509P2	Double pivot	100 x 70	2 curtains
BV2S509P1	Double pivot	100 x 70	1 curtain
BV2S509L	Double pivot	100 x 70	7 panels
BH7S505	Removable hard top shield	50 x 25	panel

- **BV3 model**



The basic elements are attached facing each other on each side of the table with Velcro straps under the mattress providing double protection.

The rails are free for accessories.

Supplied in navy blue and the « S » Light range.

Reference

Basic element BV3 - 0.50 mm Pb

BV3S503

- **BV4 model**



Fixed in place by straps around the table top with pinch release buckles.

Supplied in navy blue and the « S » Light range.

Reference

Basic element BV4 - 0.50 mm Pb

BV4S503

- **BV5 model**



Each basic element is attached to the rails of the table by stainless steel medical hooks.

Supplied in navy blue and the « S » Light range.

Reference

Élément de base BV5 - 0.50 mm Pb

BV5S503

- Table drapes**



PROTECTIVE RANGE
S - Light

LEAD EQUIVALENCE
0.50 mm Pb

EXTERNAL COATING / COLOR
PVC / navy blue

OPTIONAL
End of table protective panels.

Table mounted lower body shield made up of a table top x-ray transparent waterproof fabric adapted to the width of your table (50 to 80 cm, please specify when ordering).
The curtains can be attached together by Velcro to obtain the desired size.
The side panels of 40 or 50 cm are composed of strips. Height : 70 cm.

References

BVL model (40cm panels)	BVL model (50cm panels)	Optional end of table protective panel	Optional end of table protective panel with Velcro
BVLS5004	BVLS5005	PBVS50C	PBVS50S

• Mobile x-ray Protective Screen



Mobile x-ray protective screen classed as collective protection equipment.

This mobile screen is ideal for the protection of personnel outside the operating theatre or to protect two beds when taking x-rays in a double room. Ideal in recovery rooms

Lead curtain 120 cm wide supplied in two heights, 125 cm and 160 cm.

Protection 0.50 mm lead equivalence "S" Light range.

Waterproof PA or PVC coating which is easy to clean and to disinfect.

Frame in very sturdy steel.

I 140 x d 50 x adjustable height from 145 to 195 cm. Four swivel wheels 75 mm diameter, two with brakes.

Grey painted base and posts. Chrome top bar and runners.

Two telescopic side bars which extend the screen from 160 to 200 cm by adding one or two extra curtains of 50 cm (overlapping of 10 cm). Quick assembly without tools.

References

	Curtain width 120 cm			Extension width 50 cm	
Height	mm Pb	reference	weight	reference	weight
125 cm	0.50	PMS501212H	18 kg	PMS500312H	7 kg
160 cm	0.50	PMS501216H	21 kg	PMS500316H	8 kg

• X-ray protective curtain



We manufacture in all dimensions (maximum width 120 cm).

Protection equivalent to 0.25 to 0.50 mm Lead.

PA or PVC waterproof coating. Waterproof edging.

Eyelets 10 mm for easy hanging (track and hooks not included)

Approximate weight 6.6kg/m² in 0.50 mm Lead.

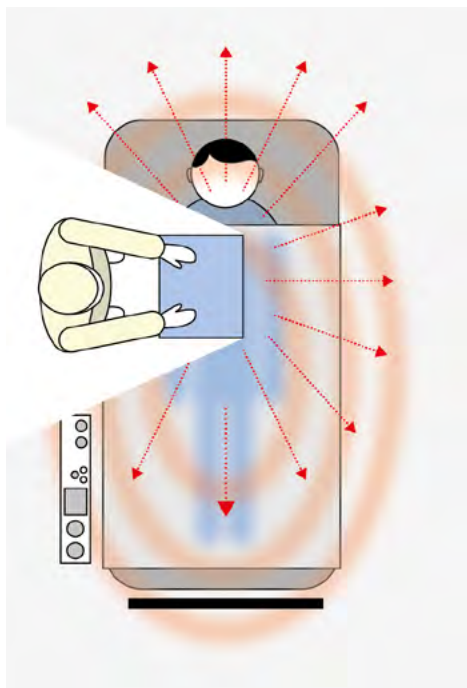
- **RAD BLOCK**

RadBlock creates a protection zone for the surgeon while he performs a surgical procedure in an X-ray assisted environment.

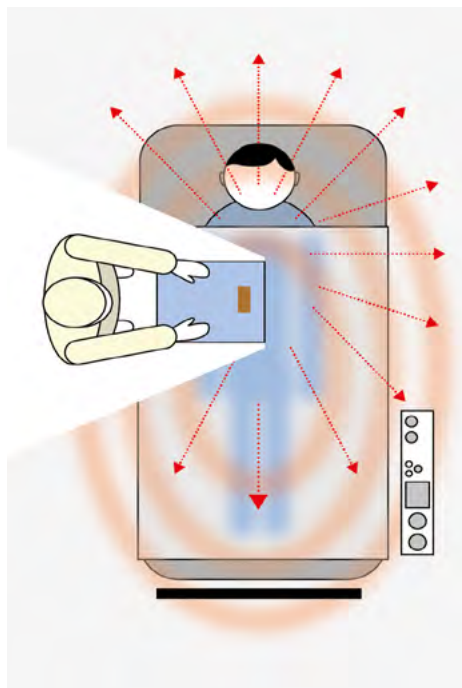
There are several models depending on the intervention.

They can be disposed of with common DASRI waste, as they do not contain lead or vinyl.

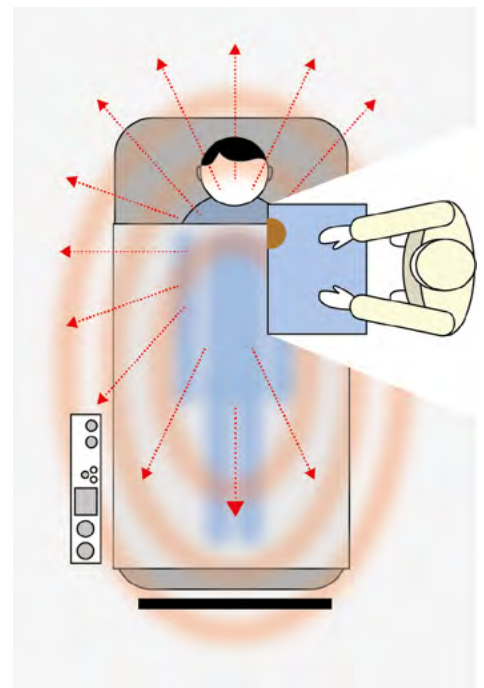
RadBlock provides attenuation between 75% to 96% depending on differentiating factors such as complexity of procedure, total fluoro time, size of patient and operator proximity to the primary beam/ image intensifier. They are available in 3 protection levels : low, medium, high



1. Multipurpose



2. Biopsy



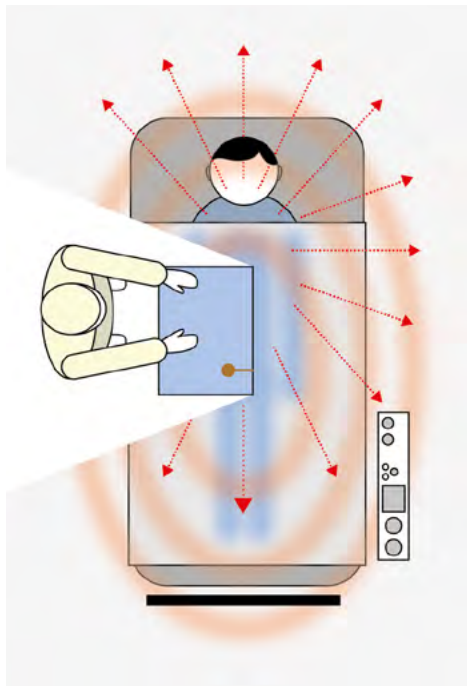
3. Subclavian

1. Multipurpose Drape - 30 x 40 cm - no fenestration
2. Multipurpose with Fenestration Drape - 30 x 40 cm - fenestration 15 x 5 cm
3. Subclavian Access Drape - 30 x 40 cm - half-moon fenestration 2.50 x 7.50 cm

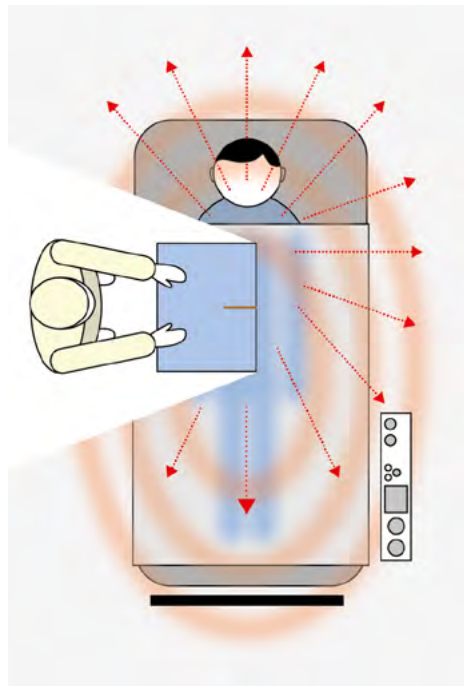
SPECIFICATIONS PRODUIT :

- Lead free (LiteGreen)
- Latex free
- PVC free
- Single use and Disposable
- Sterilization Gamma Irradiation
- Absorbent Material
- Individually wrapped
- CE Certified under 93/42/EEC

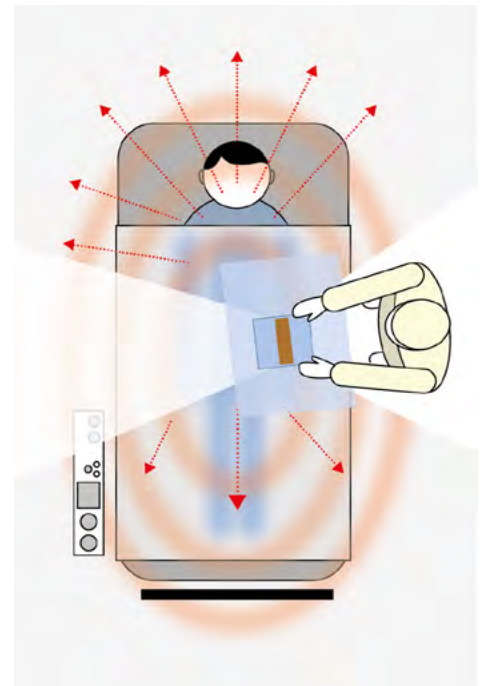
Vendu par boîte de 10 champs.



4. Femoral



5. Radial



6. Dialyse

4. Femoral Access Drape - 30 x 40 cm - circle fenestration \varnothing 5 cm
5. Radial Access Drape 30 x 40 cm - thin fenestration 15 cm
6. Dialysis Drape 50 x 101 cm - fenestration 23 x 10 cm

- **«BASIC» rigid mobile screen**



Mobile leaded screen, LE 1mm, 1.5mm or 2mm.
White laminated lead core panel with edging profile.

Available with or without window (30 x 40cm).

Dimensions in cm * :

H 200 x L 80

H 200 x L 100

Includes :

- screen support with four swivel wheels, two with brakes
- two handles for easy mobility

*Other dimensions upon request.

References

	mm Pb	200 x 80	200 x 100
without window	1	BA10208	BA102010
	1,5	BA15208	BA152010
	2	BA20208	BA202010
with window	1	BAV10208	BAV102010
	1,5	BAV15208	BAV152010
	2	BAV20208	BAV202010

- «LUXE» rigid mobile screen



Mobile leaded screen, lead equivalence 1 mm, 1.5mm or 2mm.
Equipped with panoramic full width x-ray protective window.
White laminated lead core panel with edging profile.

Dimensions in cm* :

- H 200 x L 80 – window 80 x 80
- H 200 x L 100 – window 80 x 100
- H 200 x L 120 – window 80 x 120

Includes :

- leaded window
- screen support with four swivel wheels, two with brakes
- two handles for easy mobility

*Other dimensions upon request.

References

mm Pb	Dimensions en cm		
	200 x 80 Window 80 x 80	200 x 100 Window 80 x 100	200 x 120 Window 80 x 120
1	LUV10208	LUV102010	LUV102012
1,5	LUV15208	LUV152010	LUV152012
2	LUV20208	LUV202010	LUV202012

- **Mobile screen model F310/B3**



Offers protection up to 190 cm in height and lowers to 115 cm to allow access to the patient.
Acrylic window 0.50 mm Pb, 70 cm in width.

The screen retracts easily thanks to its internal counterweight.

Lower screen 1.0 mm Pb - Height x Width 106 x 78 cm.

High gloss white color - 4 swivel wheels, 2 with brakes.

Optional : accessory holder rail 10 x 25 mm (ref. F310/3.1) or 8 x 25 mm (ref. F310/9.1)

- **Mobile screen model F326/05**



Mobile screen which is adjustable in height and width.

Acrylic window 0.50 mm Pb - 116 x 50 cm shaped to fit over the patient.

Adjustable in height from 146 to 168 cm.

Flexible lower screen with one sliding panel 0.50 mm Pb.

High gloss white color - 4 swivel wheels, 2 with brakes.

- **Mobile x-ray protective window**



This mobile x-ray protective screen is ideal in the event that ceiling mounting is not possible or for use between several rooms.

Leaded acrylic glass, 0.5 mm Pb, available in several sizes and configurations (with anatomical cutout for example).

Height : 200 cm

Spring arm length : 91 cm

Swivel diameter : 125 mm

Weight : 80 kg

Ref. F3469

The following screens are mounted on a support made up of an assembling base, a vertical column and an articulated arm. Can be fixed to the ceiling or to a trolley which slides on a rail (2.50 m). With its electric cable, a second arm, such as a surgical lamp, can be mounted onto the column.

• Model F354



Acrylic leaded screen 0.50 mm Pb available with or without cut-out form. Fixed by central mounting ball. The orientation of the cut-out form is resersible when assembling. Optional lower body shield 0.50 mm Pb.

References

Dimensions (height x width)	Ceiling fixation	Rail mounted 2.50 m
76 x 61 cm with cut-out	F354/P/76-001	F354/P/76-031
76 x 61 cm without cut-out	F354/76-001	F354/76-031
40 x 50 cm without cut-out	F354/45-001	F354/45-031
Lower body shield 61 cm with cut-out	F354/P/LR	
Lower body shield 61 cm without cut-out	F354/LR/61	
Lower body shield 50 cm	F354/LR/50	
Wall fixation upon request		

• Model F351



Acrylic leaded screen 0.50 mm Pb available with or without cut-out form. Lateral fixations. Optional lower body shield 0.50 mm Pb.

References

Dimensions (height x width)	Ceiling fixation	Rail mounted 2.50 m
60 x 80 cm with cut-out	F351/P/68-001	F351/P/68-031
60 x 80 cm without cut-out	F351/68-001	F351/68-031
40 x 50 cm without cut-out	F351/45-001	F351/45-031
Lower body shield 80 cm with cut-out	F351/P/LR	
Lower body shield 80 cm without cut-out	F351/LR/80	
Lower body shield 50 cm	F351/LR/50	
Wall fixation upon request		

• Model F350



Glass screen 2 mm Pb. Lateral fixation and lower body shield 0.50 mm Pb.

References

Dimensions (height x width)	Ceiling fixation	Rail mounted 2.50 m
30 x 40 cm	F350/34-001	F350/34-031
40 x 50 cm	F350/45-001	F350/45-031
Wall fixation upon request		

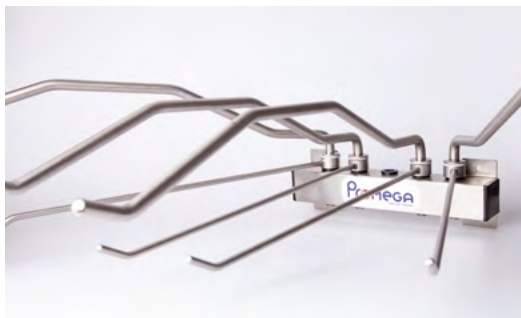
Assembly accessories	References
Flat hanging support 71 x 34 cm	F300/P/004
Fixation extension column for suspended ceilings (90 max)	F300/P/012
Rail 2.50 m (or 4.20 m) with mobile trolley	F3001/TC/250 (420)
Additional mobile trolley	F3001/3.25



APRON STORAGE

APRON STORAGE

• Wall swivel arm apron rack



Rack ideal for hanging not only full-wrap and frontal lead aprons, but also jackets and skirts.

Maximum capacity 5 aprons.

Base 34 cm x 12 cm

Arms Ø14mm,

Length 60cm, arms can swivel to the right or to the left.

References

	Stainless steel
with 2 arms	F57X2
with 3 arms	F57X3
with 4 arms	F57X4
with 5 arms	F57X5
additional arm	F57X0
optional skirt arm	J57X0

• Mobile swivel arm apron rack



Rack ideal for hanging not only full-wrap and frontal lead aprons, but also jackets and skirts.

Maximum capacity 10 aprons.

4 swivel wheels with brakes.

Frame structure thickness 35 x 35 mm

Height : 140 cm

Width front / back : 55/76 cm

Depth at foot level : 60 cm

Arms Ø14 mm (identical to the wall rack).

Equipped with 5 or 10 arms (additional arm can be purchased separately)



References

	Stainless steel
with 5 arms	F22X05
with 10 arms	F22X10
additional arm	F57X0
optional skirt arm	J57X0

APRON STORAGE

• Valet apron rack



Very sturdy rack with non-deformable structure.

Frame structure thickness 35 x 35 mm.

Capacity : 8 to 12 aprons

4 wheels which swivel 360° with brakes.

Supports max weight : 200 kg

Height : 155 cm

Hanging bar : 145 cm

Width : 83 cm

Depth : 62 cm

References

Stainless steel

F20X2

Hangers not include

• Hangers



1. Stainless steel hangers.

Non-swivelling hook.

Ø 12 mm. Length 58 cm. Non-slip upward-turning ends (or not upward-turning for aprons with sleeves).

2. Polypropylene hangers.

Non-swivelling hook.

Black hanger with very sturdy upward-turning ends, can support up to 45 kg in weight.

Hangers sold individually.



References

	Stainless steel	Black ABS
Hanger with upward-turning ends	F30X1	F3101
Hanger without upward-turning ends	F30X2	-

• Wall hooks



Capacity : 1 frontal lead apron or 2 skirts.

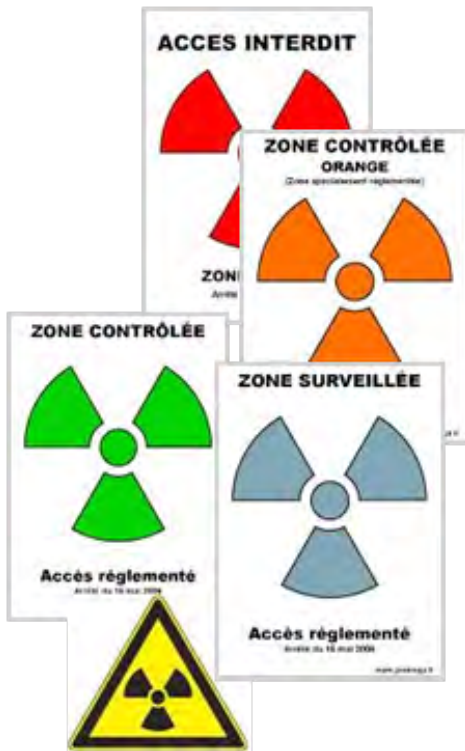
References

Stainless steel

F51X1

MISCELLANEOUS PRODUCT

- Trefoil symbols**

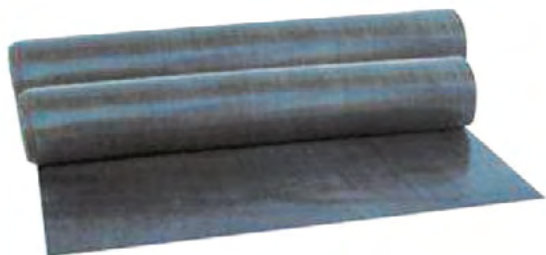


Thin laminated stickers (thickness 0.1 mm) suitable for any smooth non-porous surface, or in rigid PVC (2 mm). Fixed with double-sided sticky tape.

		References	
		Self-adhesive	Rigid
Blue surveillance zone	8,5 x 12 cm 13 x 18 cm	F42012 F42018	- F42218
Intermittent blue surveillance zone	8,5 x 12 cm 13 x 18 cm	F40012 F40018	- F40218
Green controlled zone	8,5 x 12 cm 13 x 18 cm	F41012 F41018	- F41218
Intermittent green controlled zone	8,5 x 12 cm 13 x 18 cm	F47012 F47018	- F47218
Yellow controlled zone	8,5 x 12 cm 13 x 18 cm	F45012 F45018	- F45218
Intermittent yellow controlled zone	8,5 x 12 cm 13 x 18 cm	F46012 F46018	- F46218
Orange controlled zone	8,5 x 12 cm 13 x 18 cm	F44012 F44018	- F44218
Intermittent orange controlled zone	8,5 x 12 cm 13 x 18 cm	F48012 F48018	- F48218
Red zone - Access forbidden	8,5 x 12 cm 13 x 18 cm	F49012 F49018	- F49218
Yellow triangle with black trefoil	1,5 cm 5 cm 10 cm	F431570 (1) F43005 (2) F43010 (3)	- - -
(1) sold in sheets of 70 pre-cut stickers (2) sold individually or in set of 10 (3) sold individually or in set of 5			

MISCELLANEOUS PRODUCT

- **Lead vinyl**



Plain lead vinyl 0.175 or 0.25 mm Pb.

Available in our 3 ranges :

- « S » Light
- « U » Ultra-Light
- « L » No-Lead

Available in rolls of 120 cm in width or cut to measure for your requirements.

- **Bétanett®**



Instant cleaner for iodine stains on your aprons.

BIOTRACE

What is BIOTRACE ?

BIOTRACE is the solution for inventory management and conformity checks for all your radioprotective equipment. It offers vital assistance in complying with decree n° 201-DC-0175 of 21 May 20210.

SIMPLE TO USE :

- You simply need a PC, a smartphone or a tablet equipped with a USB port or Bluetooth and Internet access.
- Biotrace can be accessed using your browser as no installation is required.

With BIOTRACE you have an overview of all your equipment, you can access and update your inventory sheet by simply reading the RFID TAG with its unique identity number.

What is BIOTRACE ?

MANAGEMENT

- Management of all types of equipment
- Equipment can be added, modified and cancelled
- Smart search of data and equipment

DASHBOARD

- Management of the verification status
- Data import and export
- Report generated automatically

VERIFICATIONS

- Conformity verification
- Customisation of types of verification
- Decision support system
- Alert by email for verifications to be carried out
- Verification history with photos

ADMINISTRATION

- User management
- Drop-down list settings
- Automatic saving and back-up
- Multi-lingual

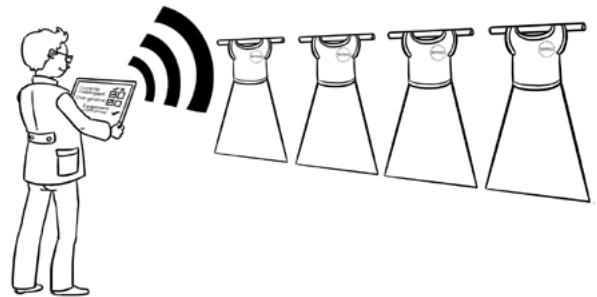
BIOTRACE

Have the amount of time devoted to your IPE/CPE

Number of IPE / CPE	Without Biotrace (days)	With Biotrace (days)
50	1	0.5
200	10.5	5
600	31	15.5
1000	52	26

With BIOTRACE you can :

- Manage all your equipment
- Verify the conformity
- Locate your equipment
- Generate reports automatically
- Optimise the workload and delegate the tracking to other departments



“SAVE TIME, SAVE MONEY AND ENSURE THE ACCURACY OF YOUR VERIFICATIONS”

PROMEGA is the only manufacturer capable of supplying a RFID TAG sewn into your new equipment. Please specify this option with your order.

RFIDT010 RFIDT020 RFIDT050 RFIDT050P RFIDT100	Set of 10 RFID tags with fasteners Set of 20 RFID tags with fasteners Set of 50 RFID tags with fasteners Set of 50 self-adhesive RFID tags for glasses Set of 100 RFID tags with fasteners
PRFIDT01	Option RFID tag for new equipment

CARACTÉRISTIQUES GÉNÉRALES

Legal texts

All our radioprotective equipment is manufactured in our French workshop in accordance with the legislation :

- Standard IEC 61331-1 : protective materials
- Standard IEC 61331-3 : requirements of performance applicable to X-ray protective equipment.
- Standard EN 340 : general requirements concerning protective clothing.

We are manufacturers



i.e. we are able to supply :

- Clothing made-to-measure, with difference dimensions compared to our standard sizes.
- Specific products for your activity (you can send us a sketch and your requirements and we will send you a quotation). We can provide one or more prototypes.

The quality of our products

The radioprotective material is composed of heavy chemical elements mixed with a PVC support before polymerisation. This process guarantees perfect radiation protection, 100% reliable.

All parts of the body requiring protection are covered end to the knees.

With our frontal lead aprons, the shoulder blades are protected up to 15cm behind the shoulders.

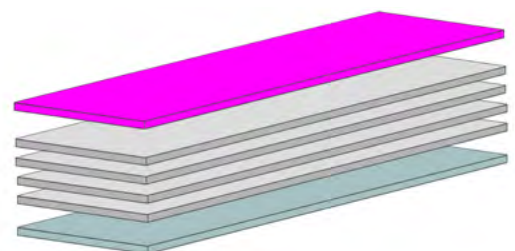
Our full-wrap lead aprons and jacket and skirt outfits provide a protection of 0.25, 0.35 or 0.50mm Lead equivalent in the front and 0.25 or 0.35 mm Lead equivalent at the back (or higher if required).

The assembly of leaded material, external coating and lining is carried out by seams at the neck, the shoulders and on the sides for our aprons and outfits, or on the edges for our accessories.

The pockets and embroidery are done before assembling interior and exterior coatings.

With this process, there are no stitching holes allowing radiation to pass through to parts of the body which need to be protected. This process guarantees total protection.

Flexibility : one layer of radioprotective materials ensures a lead equivalent protection of 0.25mm or 0.35mm. Therefore we use several layers to reach the required protection level. With this process we obtain maximum flexibility similar to fabric.



Traceability

All our products have a label showing the serial number which identifies the manufacture date, the characteristics and precise performances of the radioprotective material. We always keep a sample of each batch.

Cleaning, disinfection and decontamination

(Explanations are attached to each item of our protective clothing)

Our radioprotective clothes can be cleaned with a sponge and cold or lukewarm water, or with a slightly diluted household cleaning agent. However, for iodine stains, we recommend our specific stain remover Betanett®. Do not wash our garments in a washing machine, even without spinning; the radioprotective material would harden over time leading to breaks or cracks.

For disinfection use a spray or a sponge with regular antiseptic. Do not immerse totally in disinfectant as the different layers would take too long to dry!

Warranty – our After Sales Service charter

All the products manufactured in our workshops are covered by a 2-year warranty.

This warranty applies to the assembly and seams of all our materials as well as our buckles used and maintained in accordance with the attached instructions.

The warranty does not cover snags or tears to the various materials (leaded protection, coating or lining), soiling and normal wear and tear of the Velcro.

Any repairs are carried out in our workshops.

Repairs not covered by the warranty are carried out after a quotation in accordance with clearly defined pricing.

Complete protection checks must be carried out beforehand by yourselves or by an appointed organisation. We can renew the internal and external material of your old aprons if the radioprotective materials are in good condition. Please be aware that this work results in the loss of approximately one half-size of the garment.

Delivery times

Our geographical location means we have a very short manufacturing timeframe as soon as you have given us all the details (size, coating and colour, type of fastening and options).

Respect for the environment



Do not throw your old aprons anywhere! We can dispose of your old equipment via our production chain for a modest fee.

SALES DIRECTOR - FRANCE

M. Zizard Philippe

philippe.zizard@promega.fr



ORION
Export

By **PromEGA**
Fabrication Française

ima  **X**

ORION : Mr Minassian +331 42 88 68 41

Orion.export@promega.fr

IMA-X Benelux : +352 95 75 52

info@ima-x.com

PromEGA

www.promega.fr

+334 89 51 83 11

928 rue baron Dominique Larrey
83210 La Farlède - FRANCE

contact@promega.fr