

ACCESSORIES

Amray offer a range of accessories which can improve the area of protection and the attenuation level, where required, these include the following:

- Arm Protector •Scoliosis Shawl
- Hand Protector •Epaulettes •Thyroid collar •Support Belt

EC type Examination for regulation 2016/425 by SGS Finland.

SGS Fimko Oy P.O. Box 30 (Särkiniementie 3),

00211 Helsinki, Finland.

Notified Body number: 0598

Declaration of conformity available at: <https://amray.eu/certifications/>

Further information on any product is obtainable by contacting the Manufacturer.

MANUFACTURED BY:

AMRAY MEDICAL

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INSTRUCTIONS DRAFTED ORIGINALLY IN ENGLISH 01/96

REVISED 06/20

*Thank you for buying **AMRAY** products*

WARRANTY

All Amray Products are warranted to be free of defects in materials and workmanship for three years. At its option Amray will either repair the defect or replace the product.

Misuse or abuse of the product will void the warranty.



Thank you for choosing our products. The following information relates to all apparel in the Amray product range.

We recommend that Amray Protective Apparel must only be used by suitably trained personnel.

The Amray range of X-Ray Protective Apparel is designed with comfort and style in mind without compromising protection. It is constructed with single and multi-layered protective material ensuring the ultimate in comfort and flexibility. Manufactured to the highest specifications in compliance with relevant national and international standards for Radiation Protection, the comprehensive range, designed by a radiographer in consultation with other user personnel, is created in a variety of tasteful fashion, colours and designs.

The Amray range is less cumbersome than existing varieties and features numerous ergonomic innovations and designs. The range is also designed for ease and speed in taking on and off and for hanging up following use.

The attractive stripes may be used for departmental or personnel coding. The outer covering is of wipe clean material.

Amray Apparel range is intended for protection against secondary radiation only. Where heavy-duty, or heavy-duty closed PROTECTIVE APRONS or THYROID COLLARS are worn for RADIOLOGICAL examinations or in procedures where there is exposure to higher energy radiation, greater than 125 kV, only our LIGHT aprons should be used.

INSTRUCTIONS FOR USE

ATTENUATION PROPERTIES

The protective material contained in all Amray products is tested for its attenuation properties in accordance with directive IEC 61331-1:2014 for our LIGHT, LIGHT PLUS and SUPREME LEAD FREE range with new guidelines as specified on the label.

Sample	Area density (g/m ²)	F (60 kV)	mm Pb (60 kV)	F (70 kV)	mm Pb (70 kV)	F (90 kV)	mm Pb (90 kV)	F (110 kV)	mm Pb (110 kV)	F (150 kV)	mm Pb (150 kV)
AmRay Light Lead 0.25 mm Pb	3359	45,1	0,252	25,3	0,254	11,8	0,257	8,24	0,258	5,47	0,254
AmRay Light Lead 0.35 mm Pb	4648	106	0,347	49,5	0,349	18,9	0,353	12,7	0,354	8,08	0,349
AmRay Light Lead 0.50 mm Pb	6747	355	0,500	126	0,504	36,1	0,508	23,4	0,509	14,3	0,503
AmRay Light Plus 0.25 mm Pb	3208	40,9	0,242	23,5	0,244	11,1	0,246	7,74	0,245	---	---
AmRay Light Plus 0.35 mm Pb	4508	112	0,354	51,9	0,357	19,4	0,359	12,7	0,353	---	---
AmRay Light Plus 0.50 mm Pb	6462	362	0,502	127	0,505	36,1	0,508	22,6	0,499	---	---
AmRay Supreme Lead Free 0.25 mm Pb	2762	45,5	0,253	26,3	0,259	12,1	0,263	7,94	0,251	---	---
AmRay Supreme Lead Free 0.35 mm Pb	3785	121	0,364	56,7	0,370	20,5	0,372	12,2	0,344	---	---
AmRay Supreme Lead Free 0.50 mm Pb	5267	408	0,518	149	0,534	40,1	0,536	20,4	0,472	---	---

SIZING CHART

The following sizing chart caters for our most popular sizes. If you need help selecting the right size, please refer to the guidelines on the right hand side of the chart or the short video on our website. As we manufacture all our garments to accommodate any size and shape, feel free to send us your measurements and we will assist you in choosing the most suitable radiation protection apron for you.

Adults Sizing Chart:

SEMI-WRAP (MODEL 01 & 01F) / BACKSAVER (MODEL 02) / COAT APRON (MODEL 06)						
	XS	S	M	L	XL	XXL
Size	91	97	107	113	120	127
Chest Circumference	80-85	86-91	92-97	98-107	108-113	114-120
Length	100	100	100	100	100	100

When measuring total length, allow for overlap. For a better fit, measure at the widest point. Other lengths available: 90, 110, 120. Other sizes available on request.

VEST						
	XS	S	M	L	XL	XXL
Size	91	97	107	113	120	127
Chest Circumference	80-85	86-91	92-97	98-107	108-113	114-120
Length	50	55	60	65	65	65

When measuring total length allow for overlap. Other sizes available on request.

SKIRT							
	XS	S	M	L	LL	XL	XXL
Waist	65	70	75	81	87	93	103
Recommended Waist Measurements	63-67	68-72	73-78	79-84	85-90	91-97	98-108
Hips	90	95	100	106	112	118	128
Length	50	60	60	60	60	60	60

When measuring total length allow for overlap. Other lengths available: 70, 80. Any combination of size and length available. Other sizes available on request.

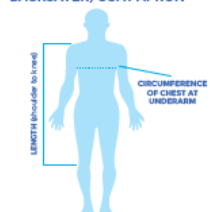
SINGLE FRONT & CLASSIC APRON					
Size	XS	S	M	L	XL
Shoulder Width	36	36	42	42	50
Front Width	50	55	60	75	75
Length	100	100	100	100	100

Shoulder width 36, 42 and 50 available on request. Other lengths available: 90, 110, 120. Other sizes available on request.

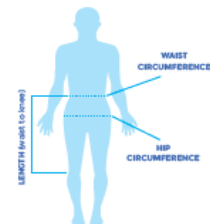
DOUBLE-SIDED APRON					
Size	XS	S	M	L	XL
Shoulder Width	36	36	42	42	50
Front/Back Width	50/50	55/55	60/60	60/75	75/75
Length	100	100	100	100	100

Shoulder width 36, 42 and 50 available on request. Other lengths available: 90, 110, 120. Other sizes available on request.

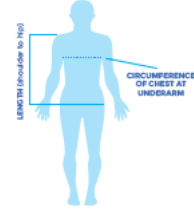
SEMI-WRAP APRON/ BACKSAVER/COAT APRON



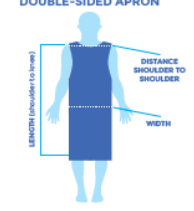
SKIRT



VEST



SINGLE FRONT/CLASSIC/ DOUBLE-SIDED APRON



All aprons should be tested for their protective value before being put in use

STORAGE

To ensure long life and no deterioration of attenuation properties, it is recommended that aprons be hung on a suitable hanger when not in use.

The aprons should not be exposed to extremes of temperature and in particular, should be kept away from direct heat or heated surface.

Never fold aprons over sharp objects as this is likely to rupture the protective material. Aprons should not be left lying in a creased or folded manner.

CLEANING


All exposed surfaces of the apparel are made from 100% waterproof nylon. Do not immerse garment in water, wipe clean with non-abrasive materials.

Washing up liquid, mild disinfectant or wipes are suitable cleaning agents.

Chemical and other spills must be wiped from the X-ray protective clothing as soon as possible (within eight hours) as prolonged exposure may cause waterproof coating to deteriorate. Please enquire about our IRAD washing and drying P.P.E technology

LABELING

Each product will carry a label which will contain the following information:

 LIGHT PLUS - HC AMRAY MEDICAL SARL 50/25 127x100 Size XXL 5/35(25x25/35)-LP W Front: .5mmPb Ws 6.46 Kg/m ² Back: .35mmPb Ws 4.5 Kg/m ² Tube voltage 60-110 Kv Tracking No: 002-450-19	(i) Name or trademark of Manufacturer (ii) Letter designating the type of protective apron: L (Light Duty), H (Heavy Duty), LC (Light Duty Closed), HC (Heavy Duty Closed) (iii) Value (s) of the lead equivalent in thickness of lead (iv) X-Ray Tube voltage (v) Area Density (vi) Size and Length of the apron (vii) Reference to the standard
1. The protective material in this apron is fragile. 2. Check attenuation property of this protective apron before use and periodically thereafter. Misuse may cause damage. 3. Care must be taken in handling. 4. Do not expose to temperature extremes. 5. Keep away from direct heat or heated surface. 6. Do not fold, crease or hang over sharp edges. 7. Hang it carefully. 8. Material may be wiped clean with non-abrasive substance eg. wash up liquid or disinfectant. 9. We recommend the length of a protective apron to be at least 10cms below the knee.	CE 0598 Manufactured by: AmRay Medical Ireland. www.amraygroup.com IEC 61331-1:2014 IEC 61331-3:2014