

Lead Apron for X-Ray Protection with Optional Thyroid Collar

User Guidelines

Radiation Protection Apparel

Intended use

Protective apron worn to reduce exposure to scattered X-ray radiation during diagnostic radiography. The optional thyroid collar shields the neck area.

Intended users

For use by trained healthcare professionals in dental, medical and veterinary radiology, and for patients as directed by staff. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- The apron reduces, but does not eliminate, radiation exposure. Follow your facility's radiation safety program.
- The apron protects only the area it covers. Do not place yourself in the direct beam.
- Never fold the apron. Folding can crack the internal shielding.
- Inspect the apron before use. Do not use an apron with visible tears, cracks or stiff, creased areas.
- Have aprons inspected regularly (for example by radiographic or fluoroscopic check) per your facility's schedule.
- Lift and put on the apron carefully; it is heavy. Fasten it so weight rests on the hips as well as the shoulders.
- Contains lead. Wash hands after handling if the cover is damaged, and keep damaged aprons out of use.

2. Package contents

- Lead apron
- Thyroid collar (With Collar variant only)

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Apron lead equivalence	0.34 mm Pb (front)
Thyroid collar lead equivalence	0.5 mm Pb
Length	98 cm
Breadth	60 cm
Weight	Approx. 3 kg
Fastening	Adjustable Velcro straps
Features	Weight-adjuster flexible back, concealed shoulder pads, reinforced belt pocket
Variants	Varies by variant: With Collar or Without Collar

4. Operation

Putting on the apron

- 1 Check the apron and collar for damage.
- 2 Hold the apron by the shoulders and slip it on with the shielded side facing the radiation source.
- 3 Fasten the Velcro straps and adjust the back so the weight is shared between shoulders and hips.
- 4 If using the thyroid collar, wrap it around the neck and close the fastener so the front of the neck is covered.
- 5 Check that the apron covers the body from shoulders to below the hips without gaps at the front.

After use

- 1 Open the straps and remove the apron carefully.
- 2 Hang the apron on a dedicated apron hanger or rack. Do not fold it or drape it over a chair.

- 3 Clean the surface if it is soiled.

5. Cleaning and disinfection

- Wipe the outer cover with a mild detergent solution or a clinical disinfectant compatible with the cover material, per facility protocol.
- Do not immerse the apron in water and do not machine wash, tumble dry or autoclave.
- Allow the apron to air dry fully, hanging, before storage.

6. Maintenance and storage

- Store hanging on a proper apron rack. Never fold or roll.
- Keep away from heat, direct sunlight and sharp objects.
- Inspect for shielding defects on a regular schedule and keep a record of each inspection.
- Remove from service any apron with cracks or gaps found on inspection.

7. Disposal

- Lead aprons contain lead and must not be discarded in regular trash.
- Dispose of or recycle through a hazardous waste or lead recycling service in accordance with local regulations.

8. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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