

# 01

ENGLISH



## RADIATION PROTECTION APPAREL

### INTENDED USE

- Radiation protection apparel are used to protect against secondary or scattered radiation during diagnosis and procedures under X-ray.

### STORAGE

- Use heavy duty hanger or appropriate hanger system for storage
- Never fold the device or hang over edges
- Maintain room temperature and humidity in accordance with the normal working conditions.
- Keep away from direct sunlight and heat

### PERIODIC INSPECTION

- Check for visible physical damage before use. The signs of faults are tears, visible folds and places of unevenness. In case any of the signs is noticed check if protection is proper by exposing against x-ray radiation. In case the protection is not adequate, the apparel should not be used
- Device should be examined at least once in a 3 months for physical damages and technical parameters to ensure complete protection

### MINIMUM PROTECTION RECOMMENDED

Radiation Protection Aprons for the user	Front: 0.35 mm $\pm$ 10%, Rear: 0.25 mm $\pm$ 10%
Radiation Protection Aprons for the Patient	0.50 mm $\pm$ 10%
Gonad and Ovarian Protection	1.00 mm $\pm$ 10%
Protective Gloves	0.25 $\pm$ 10%

### PROTECTION AT VARIOUS VOLTAGES

Lead Equivalence in mm Pb	Percentage protection offered at various voltages		
	60 kV	80 kV	100 kV
0.25	96	96	94
0.35	98	98	96
0.50	99	99	97
1.00	More than 99	More than 99	99

### CLEANING AND DISINFECTING

- Fresh stains or marks on cloth can be removed with a soft water and soap solution. After wet cleaning allow it to dry completely.
- It is advisable to clean and maintain apparel once in a month.
- Inner cotton gloves used in lead gloves should be washed.
- To disinfect the apparel, use alcohol free liquid disinfectant.

### LABELING

Marking is done on the product label. It contains brand name, lead equivalence, batch number, date of manufacture of the product and body number.

### SERVICE LIFE AND GUARANTEE

The service life of protective apparel depends on use and care. If the protective apparel is damaged physically causing breakage of material or it is hardened, then the protective apparel should be replaced. The manufacturer guarantees workmanship and materials used for the apparel.

### CAUTION

The function of the Protective Apparel is to provide protection not from the direct x-ray beam. Protective Apparel should be used only for protection against secondary or scattered x-ray exposure. We have not come across allergies to users of the apparel. But the user may seek medical advice, if necessary.