



MDT® **X-RAY**

ABOUT

MDT is one of Europe's most innovative and experienced developers of X-ray protection materials for more than 33 years. MDT manufactures and distributes a full line of radiation shielding products throughout Europe. They include X-ray aprons, leadglasses, thyroid shields and many other X-ray products.

MDT creates innovative products and services that promote a healthier, more sustainable, enjoyable and efficient way of working. Our products reflect our continuous drive to improve and simply prove that MDT is constantly pushing back the frontiers of science, with high-quality and innovative products, tested quality, fashionable colours and high functionality.

Many people rely on the protection our products provide every day and we are aware of the great responsibility this entails.

MDT has designed and created **Pureproteq**[®] in its entirety, based on its experience of the sector. This new **Pureproteq**[®] material enhances our high qualitative standards and is manufactured in The Netherlands using the best materials on the market.

In order to reduce the weight of our aprons we offer super light lead composite material. This material has an average weight of 3kg/m². The weight is based on a lead equivalent value of 0.25mm Leq.



Protecting people is both our aim and our motivation



Intervention X-ray apron with a partially overlapping front side. The wide and in height adjustable comfort belt ensures an optimal weight distribution and support of the lower back.

Features:

- Breast pocket
- Soft padded shoulders
- Wide and in height adjustable comfort belt
- Split on the bottom part of the apron
- Shorter backside
- Supporting click closures on the upper and bottom side
- Custom made possibilities
- Push button for fixating MDT thyroid protectors

Options:

- Front panels
0.25mm Leq-> overlapping 0.5mm Leq
0.35mm Leq-> overlapping 0.7mm Leq
- Backside 0.25mm Leq or 0.35mm Leq
- Choice in 11 different colours
- Embroidery name, department or logo
- TAG® control system







◀ MODEL VEST & KILT

The two piece Vest & Kilt unites an optimal comfort with a maximal protection for the entirely overlapping front sides.

The two loose parts guarantee weight distribution between shoulder and hip, maneuverability and flexibility.

Features:

- Breast pocket
- Soft padded shoulders
- Shorter backside of the kilt
- Kilt with elastic inside support belt
- Kilt with hanging loops
- Kilt is standard fitted with a pocket
- Additional closure of kilt by supporting click closure
- Sizes Vest & Kilt can be combined
- Custom made possibilities
- Push button for fixating MDT thyroid protectors

Options:

- Front panels
0.25mm Leq-> overlapping 0.5mm Leq
0.35mm Leq-> overlapping 0.7mm Leq
- Backside 0.25mm Leq or 0.35mm Leq
- Choice in 11 different colours
- Embroidery name, department or logo
- TAG® control system







◁ MODEL FRONT

A traditional front apron with a modern elastic backside for extra support in the back and weight distribution.

Features:

- Breast pocket
- Soft padded shoulders
- Custom made possibilities
- With click closure or Velcro closure
- Push button for fixating MDT thyroid protectors

Options:

- Available in 0.5mm Leq or 0.35mm Leq
- Choice in 11 different colours
- Embroidery name, department or logo
- Velcro closure on the back
- TAG® control system

▽ MODEL U-FRONT

Due to the unique design this apron is suitable for various sitting procedures and very comfortable with a greatly reduced backload and excellent protection of the gonads.





◁ THYROID PROTECTOR

The MDT thyroid protectors are supplied as standard in 0.5mm Leq and are available in three models.

The thyroid protectors are made of a flexible anti-bacterial PU fabric and are very pleasant to wear because of their design.

Available in 11 colours and embroidery of name or department is possible.



TM-3



TS-4



VIPE

COVERS ▷

Washable covers for the MDT thyroid protector for optimal absorbance of perspiration, aftershave, perfume, odor and make-up. This cover is 100% cotton.

Covers are also available in disposable material.





Focus

MDT offers you a large choice of X-ray glasses that protect your eyes from the harmful influences of X-ray radiation. All models offer an optimal protection for your eyes, 0.5mm Leq. Ask for our detailed documentation.



Nike blue



Nike Silver



I-glass 40



Cross



Delta



Nike Blue



Nike Silver



Cross

Focus



Focus

Delta



Nike Blue

I-glass 40



FACE MASK ▷



This mask consists of a radiation protective, with 0.1mm Leq impregnated acryl, and is equipped with a twofold adjustable headband. The acrylic screen can be positioned at various angles of the face to minimize the scatter radiation. Ask for our detailed documentation.

Mask 006 -> Height screen 12cm



Mask 007 -> Height screen 20cm



HEAD PROTECTION ▷



The SportsCap guarantees maximum head protection and respects optimal hygiene, 0.5mm Leq.
The SportsCap is available in 11 different colours and in 4 different sizes, and has a breathable cotton top.



The Total Head Protection, covering the entire head and neck, allowing full protection of this area, 0.5mm Leq.
In addition, the Pureprotec® material ensures perfect hygiene!

GONAD PROTECTION ▷



- Unisex
- 0.5mm Leq - 1.0mm Leq
- Choice in 11 different colours



- Unisex
- 0.5mm Leq - 1.0mm Leq
- Choice in 11 different colours
- Size S, M or L

BREAST PROTECTION ▷



- Unisex
- 0.5mm Leq - 1.0mm Leq
- Choice in 11 different colours



◁ SHOULDER PROTECTION

For the protection of the humerus, the shoulder joint, and the lateral thorax against scattered radiation. This removable sleeve attaches easily to the apron by a Velcro fixed on our Coat and Vest & Kilt aprons.

- Unisex
- 0.5mm Leq
- Choice in 11 different colours
- Adjustable by Velcro closure
- Left or right side

◁ LEG PROTECTION

- Unisex
- 0.5mm Leq
- From above the knee to, and including, the foot
- Choice in 11 different colours
- Adjustable by Velcro closure

▽ WALL MOUNTED RACK



MDT-E

Suitable for 1 Front, Coat or Vest & Kilt

Measurements:

W: 68cm x D: 22cm x H: 32cm

HANGER ▽



The MDT hanger is made of anodised aluminum and is particularly suitable for hanging a personal apron, like a Front, Coat or Vest & Kilt.

▽ MULTIFORM APRON WALL CONSOLE

These wall mounted storage racks have shoulder shaped arms that fan out 180 degrees for easy access. The design of the rack and position of the heavy duty arms enables them to remain flush with the wall even when fully loaded. The left swivel version (MAW-5L) and right swivel version (MAW-5R) can be mounted adjacent to each other to provide storage for up to 10 aprons.

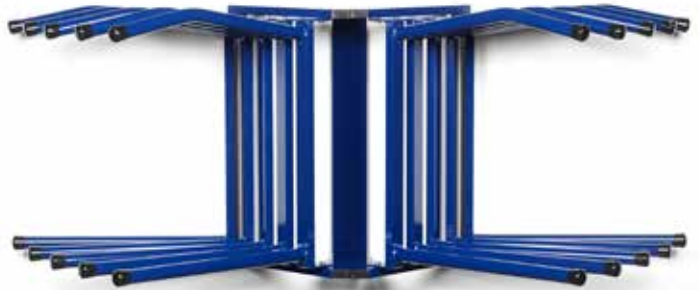
Measurements:

MAW-5 L or R W: 76cm x D: 78cm x H: 60cm (5-arms)

MAW-5 L and R W: 152cm x D: 78cm x H: 60cm (10-arms)

MAW-5 L

MAW-5 R



MOBILE SWIVEL ARM APRON CARRIER ▷

This carrier can be positioned at any convenient location. Ideal for departments with limited wall space or where the wall construction does not allow mounted apron racks. Exceptional access allows aprons to be selected, removed and replaced with ease. Shoulder shaped pivoting arms prolong the life of expensive aprons.

The compact and solid design guarantees the simple selection and hanging of aprons like Front, Coat or Vest & Kilt. Rack available with 5 swivel arms or with 10 swivel arms.

Measurements:

MAR-M5 W: 69cm x D: 60cm x H: 155cm (5-arms)

MAR-M10 W: 96cm x D: 60cm x H: 155cm (10-arms)

TRACK-5/10

The mobile apron rack can be equipped with an extendable system TRACK-5/10 to store thyroid protectors. The TRACK-5/10 is optional.

Measurements:

Track-5/10 W: 69-96cm (extendable) x H: 27cm, suitable for MAR-M5 or MAR-M10.

MAR-M10

MAR-M5





MDT GOES GREEN

Conserving the world around us and the existing resources in it for the following generations is our most important concern. Take advantage of MDT's free apron recycling program for the return/recycling of your retired lead aprons!

Please contact a MDT representative for more details about our environmentally friendly and cost saving program, and to obtain a return authorization.

MDT minimizes the environmental impact of its business management and products by:

- Reduction of the needed material, creating a lifespan extension by choosing sustainable materials and recycling lead material.
- Purchasing/buying less environmentally harmful products and reducing packaging.
- Made to measure aprons so no material is wasted.
- Saving energy and prevention and separation of waste.
- Giving advice to our customers about our product and supporting materials that raise sustainability.



Call us!
+31 13 52 87 149



Visit us on the web!
www.mdtxray.com



Address!
MDT X-ray BV
Bukkumweg 26
5081 CT Hilvarenbeek
The Netherlands



Email us!
xray@mdtxray.com



GENERAL INFORMATION

Innovative antibacterial fabric of MDT

After a period of innovation and modification of the already available fabrics, MDT has applied a new technique with unique antibacterial properties named **Pureproteq®**.

Pureproteq® is a strong, flexible and comfortable material with cooling and odour neutralizing properties, and has been proven effective on salmonella, listeria, E.coli, staphylococcus, aspergillus, MRSA, pneumococcus and prevents cross contamination.

This antibacterial treatment has been anchored in the fabric and will remain active, even after intensive wet cleaning. Also dirt, barium etc. cannot penetrate the **Pureproteq®** material, so it is very easy and quick to clean.

Features and benefits MDT aprons:

- Soft padded shoulders
- Height adjustable belt
- Different models for men and women
- Custom made aprons on demand
- Embroidery with individual names, department, logos or registration number
- MDT aprons are latex-free
- TAG® control system
- MDT app
- RFID (Radio Frequency Identification) is applied standard in all aprons

Apron Care & Guidelines:

- Cleaning
The aprons should be cleaned immediately after each use, with care taken to remove contaminating substances. Under no circumstances should our aprons be immersed in any liquid or subjected to cleaning with solvent based or abrasive materials. Inadequate cleaning will shorten the useful protective life of the apron.
- Storage
Don't fold, crease, drape or sit down in your MDT garments. Aprons should always be stored on an appropriate storage system.
- Examination
Each apron should be subjected to checking by fluoroscopy at least every six months to ensure no internal damage has been caused to the inner protective material.

Repair service

Our factory provides a repair service.

An MDT representative will gladly provide you with information regarding this service.

WARRANTY

Depending on use and care, the product life of the X-ray protection garments can vary enormously.

Therefore it is necessary to check the protective function on a regular basis, in accordance with Euratom 2013/59.

MDT warrants the protective material of MDT X-ray protection apparel from material defects and workmanship for a period of five years and two years of general warranty from the date of purchase. Our warranty does not cover damage from misuse, accident or neglect. MDT's obligation is hereby limited exclusively to repair and replacement of any defective products.

MDT hereby disclaims all other warranties, either expressed or implied including any implied warranty of merchantability.

Be sure to inspect all products at time of delivery. (This is mandatory by Euratom 2013/59)

CERTIFIED PROTECTION

MDT's X-ray products have conformity with (EU) 2016/425 and are CE certified.

Our materials guarantee maximum protection in accordance with European guideline IEC 61331-1/3.

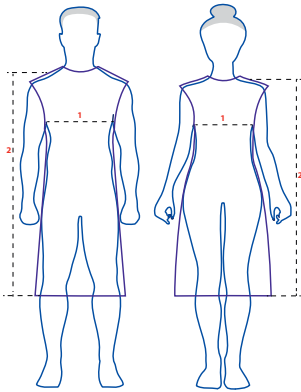
MDT guarantees the quality of its products by means of a series of tests: attenuation, lead equivalence, weight, equalized weight, as well as material resistance and durability.

These are carried out and certified by Dutch and foreign university centers, in keeping with currently applicable standards.

Sizetable MDT aprons

All aprons are tested in the 50-150Kv Energy range
Sizing is according to IEN:EN 61331-3:2014

Front



- 1 Chestsize in cm
Measured at the widest point around the chest.
- 2 Length of the Front apron in cm....
Measure the length from mid-shoulder to below the knee.

Front sizes in cm

Size	Chestsize	Length
S	till 90	100
M	till 100	100
L	till 110	100
XL	till 120	105

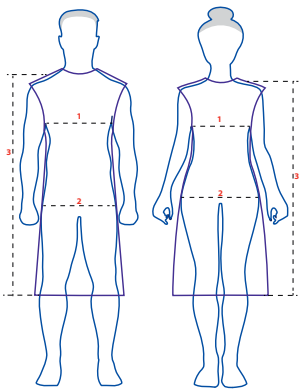
- 1 Chestsize in cm
Measured at the widest point around the chest.
- 2 Length of the Front apron in cm....
Measured the length from mid-shoulder to below the knee.

U-Front sizes in cm

Size	Chestsize	Length
S	till 90	110*
M	till 100	115*
L	till 110	120*
XL	till 120	120*

*Length is extended compared to a traditional Front because of the seated use.

Coat



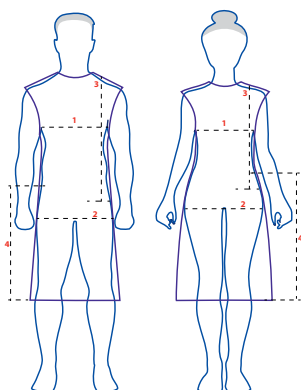
- 1 Chestsize in cm
Measured at the widest point around the chest.
- 2 Hip circumference in cm
Measured at the widest point at the hip.
- 3 Length of the Coat in cm....
Measured from mid-shoulder to below the knee.

Coat size in cm

Men			
Size	Chestsize	Hip	Length
Coat-A	till 90	95-100	100
Coat-B	till 100	100-110	100
Coat-C	till 110	110-115	100
Coat-CXL	till 115	115-120	105

Women			
Size	Chestsize	Hip	Length
Coat-D	till 85	90-100	100
Coat-E	till 95	100-110	100
Coat-F	till 105	110-115	100
Coat-FXL	till 115	115-120	105

Vest & Kilt



- 1 Chestsize in cm
Measured at the widest point around the chest.
- 2 Hip circumference in cm
Measured at the widest point at the hip.
- 3 Length of the vest in cm...
Measured from mid-shoulder to the middle of the hip
- 4 Length from the kilt in cm...
Men:
measured from the hip to just below the knee
Women:
measures from the waistline to just below the knee

Vest & Kilt size in cm

Men				
Size	Chestsize	Hip	Vest length	Kilt length
VK-A	till 90	95-100	57	59
VK-B	till 100	100-110	62	64
VK-C	till 110	110-115	65	67
VK-CXL	till 115	115-120	68	70

Women				
Size	Chestsize	Hip	Vest length	Kilt length
VK-D	till 85	90-100	51	55
VK-E	till 95	100-110	55	58
VK-F	till 105	110-115	56	61
VK-FXL	till 115	115-120	57	63

Above are our standard sizes. If these are not fitting for your particular size please contact our customer service.



MDT aprons are available in 11 fresh colours





Made in Holland
EN Versie 2018

MDT X-ray BV Bukkumweg 26 5081 CT Hilvarenbeek The Netherlands
tel. +31 13 52 87 149 www.mdtxray.com xray@mdtxray.com