

B Burlington
Medical
POWERED BY XENOLITE



PROTECTIVE APRONS AND ACCESSORIES

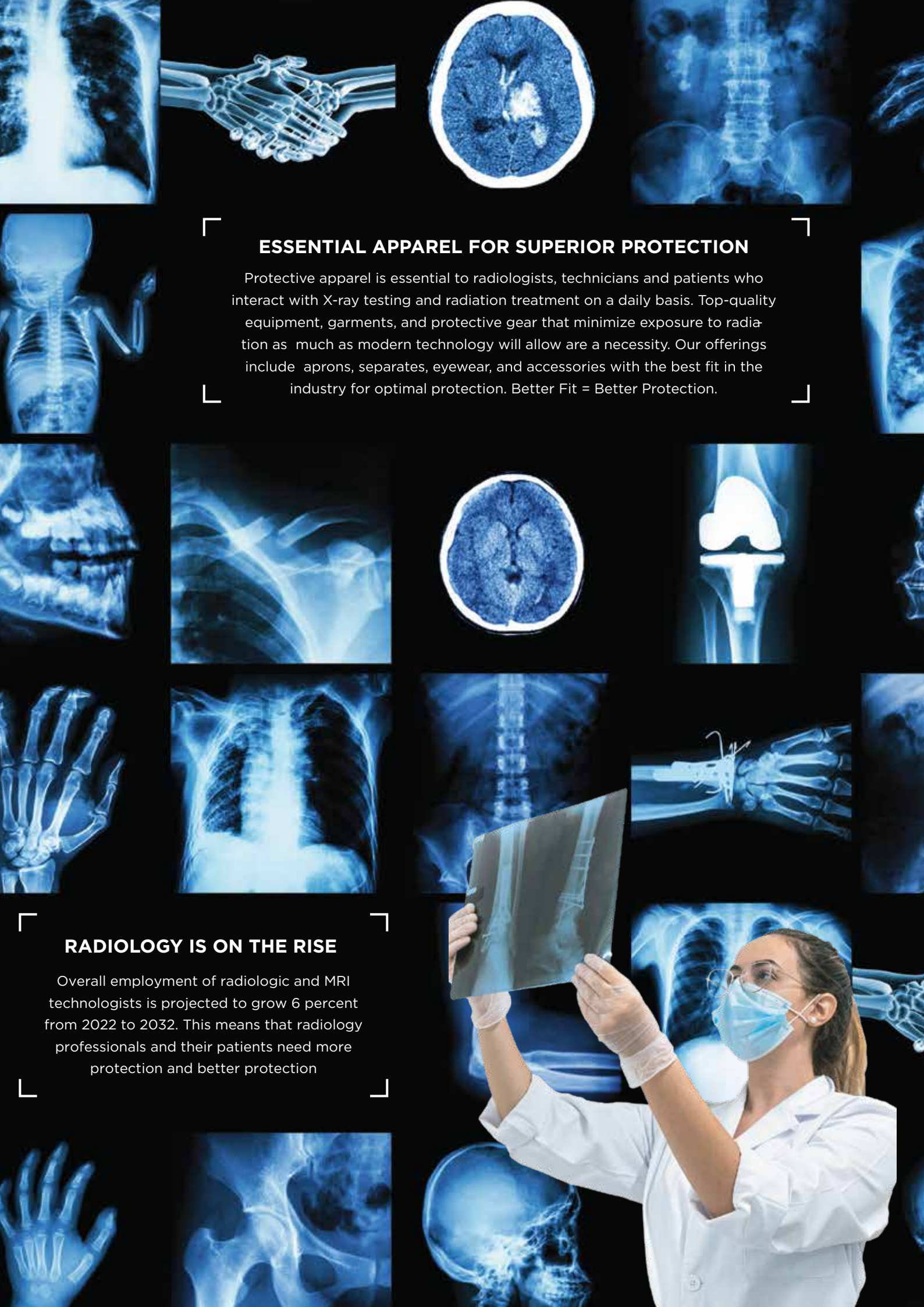
2025

www.protecx.co.uk

B

M

25



ESSENTIAL APPAREL FOR SUPERIOR PROTECTION

Protective apparel is essential to radiologists, technicians and patients who interact with X-ray testing and radiation treatment on a daily basis. Top-quality equipment, garments, and protective gear that minimize exposure to radiation as much as modern technology will allow are a necessity. Our offerings include aprons, separates, eyewear, and accessories with the best fit in the industry for optimal protection. Better Fit = Better Protection.

RADIOLOGY IS ON THE RISE

Overall employment of radiologic and MRI technologists is projected to grow 6 percent from 2022 to 2032. This means that radiology professionals and their patients need more protection and better protection



CONTENTS:

PROTECTIVE MATERIAL GUIDE	4
APRON GUIDE	6
SIZING	7
APRONS	
Frontal Aprons	8
Separates.....	9
Wraparound Aprons.....	11
Apron Add-ons	12
ACCESSORIES	
Thyroid Shields	14
Additional Protection.....	15
Eyewear.....	17
STORAGE AND SECURITY	16
ADDITIONAL OPTIONS	17
INVENTORY MANAGEMENT	19

PROTECTIVE MATERIAL GUIDE

OUR MISSION AND COMMITMENT

At the heart of our mission lies Radiation Protection. We are steadfast in our commitment to continuous innovation, superb quality, exceptional customer service, and flawless execution.

In pursuit of these goals, we have achieved significant milestones, including our merger with Lite Tech, the American manufacturer of Xenolite attenuation material, in April 2022, and our integration with our UK subsidiary, ProtecX Medical, in January 2025.

These strategic partnerships have positioned us as the industry's only fully integrated X-ray protection manufacturer. With an in-house laboratory and a dedicated team of research and development engineers, we develop and produce proprietary attenuation/core sheet materials, setting us apart as leaders in the field.

Our expertise in radiation physics, combined with state-of-the-art technology, enables us to provide cutting-edge solutions that prioritise safety and efficiency.

LEAD VS. LEAD-FREE PRODUCTS

The importance of style in radiation protection apparel and accessories doesn't come close to the critical importance of the core protective material. A lead-free material is the healthiest and best performing choice and still holds the potential to change the lives of many more healthcare professionals. Lead has been the standard, trusted to provide protection despite its cumbersome weight.

THE SCIENCE BEHIND PROTECTION

Lead, Strata 500, and Trulite are fully compliant with global governmental regulations, including EU 2016/425, and are developed with proprietary technology for maximum quality assurance. Garments are available in several different grades of core protection materials and three standard levels of protection (0.5mm, 0.35mm, and 0.25mm), additionally, our lead-free aprons are made with patented flex-crack resistant material, which offers enhanced flexibility, crack resistance, and up to 10x the durability of vinyl-based aprons. They are also eco-friendly, recyclable, and safe for non-hazardous disposal.

ATTENUATION MATERIALS

LEAD-FREE



Xenolite Strata 500: Lower Weight, Higher Protection. Designed for full-spectrum protection from 50 to 150kV, Strata 500 features mono-layer technology and is recyclable and safe for non-hazardous disposal.

LIGHTWEIGHT LEAD COMPOSITE

TRUELITE: a lightweight, part-lead composite material that has been offered for over 15 years.

LEAD

Cost Cruncher (Lead 900): a 100% lead-based material, Cost Cruncher is the traditional protective material, used frequently by technicians who do not require extended intervals of time for apron use. It is a lower-priced, non-weight sensitive product used for gamma-radiation (Nuclear Medicine) applications, as well as x-ray procedures (CT-assist, thorax) over 120 kV.

				
CORE MATERIAL	ATTENUATING CONSTRUCTION	LEAD EQUIVALENCY	IEC COMPLIANT	RECY-CLABLE
STRATA 500	LEAD-FREE BI-LAYER	.25mm Pb .35mm Pb .50mm Pb	2014*	
TRUELITE	PART-LEAD COMPOSITE	.25mm Pb .35mm Pb .50mm Pb	2014*	
COST CRUNCHER	LEAD	.25mm Pb .35mm Pb .50mm Pb	2014*	

 MADE IN USA *See BurMed.com for Certification sheets & complete safety information



Circa 1200 AD

WHAT A DIFFERENCE 800 YEARS MAKES IN PROTECTIVE WEAR

According to the Encyclopedia Britannica, until modern times, armor worn by combatants was laboriously fashioned and frequently elaborately wrought, reflecting the personal importance placed by the soldier on protection and the social importance of its wearer. With Burlington Medical, modern-day protection still reflects style and personality with optimal fit and protection.

2025

www.protecx.co.uk

B

M

25

APRON GUIDE




CHOOSE THE RIGHT APRON

BURLINGTON APRONS ARE TAILORED FOR YOUR NEEDS

We know the field of radiology and the people who work in it. This allows us to offer products that can be personalized for each individual to ensure the best fit and protection. By identifying how you will use your apron, we can guide you to the best option that fits your needs and preferences.

BETTER FIT = BETTER PROTECTION

KEY CONSIDERATIONS

TIME & DISTANCE		POSITION	PERSONALIZATION
 HIGH QUALITY PROTECTIVE MATERIAL	 HEAVY USE GOES BETTER WITH LESS WEIGHT	 WE'VE GOT YOU COVERED	 MAKE IT YOURS
Being closer to the source might mean you need additional protection. Where are you standing in the room? How powerful are the beams you are working with? Our protective materials are available in 0.5mm, 0.35mm, 0.25mm lead equivalency.	If you wear lead aprons for longer durations, they can get heavy. That's why we have developed a lighter-weight protective material that attenuates at a high rate, meeting both ASTM and IEC standards.	Burlington offers different styles: frontal, wraparound, vests, and kilts, as well as half aprons, thyroid collars, caps, sleeves, and leg wraps. To ensure you have optimal protection, consider your position in the room and where you may be exposed. Rest assured, we've got you covered!	Select your fabric, choose a pattern, and customize with embroidery or lettering. For something truly one-of-a-kind, our skilled artisans can bring your vision to life with tailored aprons.

PICK YOUR APRON TYPE

LIGHTWEIGHT, QUICK & CONVENIENT

FRONTAL APRONS provide quick and convenient protection. These aprons are lightweight and the perfect choice if you do not turn your back to the source of radiation.

PROTECTION FROM EVERY DIRECTION

FRONT + BACK ONE-PIECE APRONS weigh more than frontal protection aprons, but the additional lumbar support options can make them feel light. One-piece aprons can make managing, storing, and putting on your apron easier than aprons with two pieces.

BEST PROTECTION & WEIGHT DISTRIBUTION

FRONT + BACK TWO-PIECE aprons provide some of the best protection and weight distribution. If you need an apron that protects from all sides and provides superior weight distribution, choose a two-piece option.

We offer three types of garments: Basic garments come in limited sizing and fabric options, Enhanced aprons are standard garments with additional features, and Tailored aprons are personalized, made-to-measure garments.

GET THE BEST FIT

FIND YOUR FIT WITH 3DLOOK, OUR ONLINE BODY SCANNING TOOL

STANDARDIZES THE WAY WE MEASURE

Get more efficient, consistent measurements by scanning your body digitally. There's no subjective measuring by hand or inconsistency from one measurer to the next.

QUICKER, QUALITY MEASUREMENTS

Measure seamlessly from any location. Access and store your measurements online. Expedite your orders so production can get started on your radiation protection material sooner.

SAFE, TOUCHLESS CAPABILITY

Safety and social distancing are more important than ever. Measure yourself instantly with just two photos—no need for person-to-person interaction.



FRONTAL - Female Sizes Metric (cm)			
Size	Chest Range	Max Chest	Width
XSF	74-81	81	48
SF	84-91	91	53
MF	94-102	101	58
LF	104-112	111	63
PLUS	114-123	121	68
XLF	125-132	132	73

Front/Back - FEMALE Sizes Metric (cm)				
Size	Chest Range	Max Chest	Max Waist	Max Hip
XSF	71-78	78	64	86
SF	81-86	86	71	93
MF	88-93	94	81	101
LF	96-101	101	86	109
PLUS	104-109	109	99	116
XLF	111-116	116	109	124

Female Lengths Metric (cm)			
Length	Total Length	Top Length	Kilt Length
SHORT	86	51	49
REGULAR	96	56	54
LONG	106	61	59
X. LONG	116	66	64

FRONTAL - Male Sizes Metric (cm)			
Size	Chest Range	Max Chest	Width
XSM	84-91	91	50
SM	94-101	101	56
MM	104-111	111	60
LM	114-121	121	66
XLM	124-132	132	71

Front/Back - MALE Sizes Metric (cm)				
Size	Chest Range	Max Chest	Max Waist	Max Hip
XSM	83-88	89	86	101
SM	91-96	96	91	109
MM	99-104	104	96	117
LM	106-111	111	101	124
XLM	114-119	119	104	127

Male Lengths Metric (cm)			
Length	Total Length	Top Length	Kilt Length
SHORT	91	55	51
REGULAR	101	60	56
LONG	111	65	61
X. LONG	121	70	66

FRONTAL APRONS

FRONTAL OPTIONS

- Choose from dozens of colors
- Size XS-XL, Male and Female
- Accent Style available
- 0.5mm, 0.35mm, 0.25mm Pb Eq
- Outlast temperature-regulating fabric
- Embroidery (name and design)
- Pocket
- Custom, measured-to-fit aprons available



F17

The F17 is great option for those who don't turn their back to the source and need a lightweight, simple apron. This model offers frontal protection with a crisscross stretch back and comfort foam padded shoulders. The stretch closure provides greater weight distribution between the shoulders and back, making this apron one of our easiest to put on.

F17 in 1285 Yoga Poses Grey Multi



A10

The A10 provides frontal protection with a great variance in fit for different body types. It offers a crisscross stretch back, hook & loop shoulder strap, front buckle closure and comfort foam padded shoulders. The A10 provides weight distribution between the shoulders and back. We also have maternity attachments available that help keep women safer during pregnancy.

A10 in 010 Maroon



601

Do you want to "drop out" of your apron when the fluoroscopy is finished? The 601 is a versatile, Quick Drop frontal apron that features the ability to remove the apron while preserving the integrity of the sterile field. This apron also offers a crisscross stretch back and comfort foam padded shoulders. Hook-and-loop tabs at the shoulders and waist allow for quick removal by support staff without removing sterile gown.

601 in 1274 Fashion Plaid Tan



F01

This classic apron sets the standard for radiation protection. This apron is equipped with a hook-and-loop fastener at the shoulders, while its 1" straps tie securely at the waist and comfort foam padded shoulders ensuring a comfortable fit that minimizes fatigue.

F01 in 1272 Equestrian Dreams Rust Horse and Bit

VESTS, KILTS & SKIRTS OPTIONS

- Available in any of our fabrics
- Size S-XL, Male and Female
- 0.5mm, 0.35mm, 0.25mm Pb Eq
- Custom, measured-to-fit aprons available
- Outlast temperature-regulating fabric
- Embroidery (name and design)
- Pocket
- Accent Style available for EURO, F111, PVK & VK
- All Vests, Kilts & Skirts feature .25 protection on the back.



PEAK VEST (PVEST)

The Peak Vest provides superior lumbar support and excellent weight distribution. It is more fitted to the body, hugs the waist and anchors the weight at the hips, thus eliminating the burden of weight on the shoulders which reduces the load on the back significantly.

PVEST in 711 Pink Galaxy



REGULAR VEST (VVEST)

The Regular Vest partially overlaps at the front with Velcro and buckle fastenings. When paired with a belt this apron provides substantial back support and comfort. The 6" Wide Stretch Belt is an option for extra support.

VVEST in 1279 X-ray Magnolia Petals Grey



FULL OVERLAP VEST (FVEST)

The Full Overlap Vest provides front and back protection with a low overall weight. Pair this vest with a kilt for better weight distribution. The 6" Wide Stretch Belt is an option for extra support.

FVEST in 1260 DWR Poly Kokopelli



PRINCESS VEST (QVEST)

The Princess Vest is specifically designed for females. This vest is contoured around the bust, providing better fit and protection for side breast tissue and the axillary region. The Princess vest is light weight and features hook & loop fastening or the option of a covered zip fastening.

QVEST in 1205 DWR Poly Leaf It To Me Yellow



ZIPPER VEST (ZVEST)

The Zipper Vest eliminates closure flaps and buckles, making it among the lightest vests available in the industry. This fitted apron has a zipper closure.

ZVEST in 014 Dark Green



STANDARD KILT (K102)

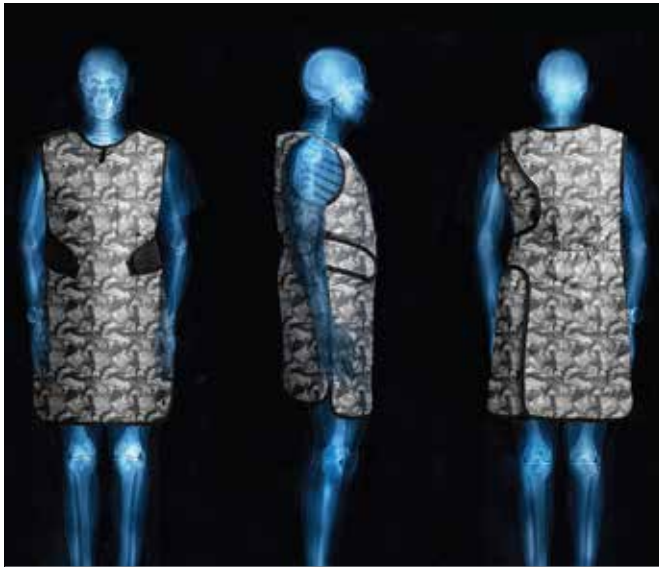
Our Kilt features a spacious pocket for all of your essentials while you work. Pair it with a vest for balanced weight distribution and suspenders to keep it snugly fastened. It includes a front hook-and-loop closure with an adjustable 1.5-inch buckle closure on the right side. Vests, suspenders, Padded Elastic Waistbands, and Non-Skid materials are sold separately.



FULL OVERLAP KILT (K303)

The Full Overlap Kilt delivers essential wraparound protection with lightweight panels. Each front panel provides half the stated protection, ensuring full coverage when overlapped.

WRAPAROUND APRONS



EURO

The Euro is a one-piece, wrap-around apron with an opening in the back, a stretch Hook & Loop closure and comfort foam shoulder padding. This apron distributes weight from your shoulders to your hips with no need for overlap making the apron lighter in weight.

EURO in 1233 In Plain Sight, Gray



F111

The F111 is a single piece wraparound apron with a 6" wide stretch belt and front buckle closure. This apron is a great option for anyone looking for something that's easy and quick to put on. It features padded shoulders and adjustable lumbar support belt. This is a partial overlap apron.

F-111 in 024 Gold



F112

The F112 is a one-piece wraparound apron with 6" wide stretch belt and front buckle closure. Padded shoulders and adjustable lumbar support belt. This is a full overlap apron. Designed to offer optimum protection with minimum weight, these aprons are ideal when a high level of protection is required.

F-112 in 1262 Blue Chicklets

WRAPAROUND APRONS



W113 - SIDE CLOSURE LIGHT WEIGHT WRAP

The redesigned W113 apron has been designed to simply slip on and fasten with an easy release buckle on the left shoulder and a 50mm webbing belt which fastens and adjusts with a side release buckle.



W114 - QUICK RELEASE SIDE AND SHOULDER CLOSURE WRAP

A tabard style apron that fastens with easy release buckles at both shoulders and sides. This style provides complete radiation protection both front and back, fastening at the front with buckles.

TEMPERATURE REGULATION



The patented phase-change Outlast® material is certified NASA developed technology that absorbs excess body heat, balancing your temperature and keeping you more comfortable. Our exclusive aprons with Outlast technology proactively manage the build-up of heat and moisture to help delay the onset of sweat, helping you stay comfortable.

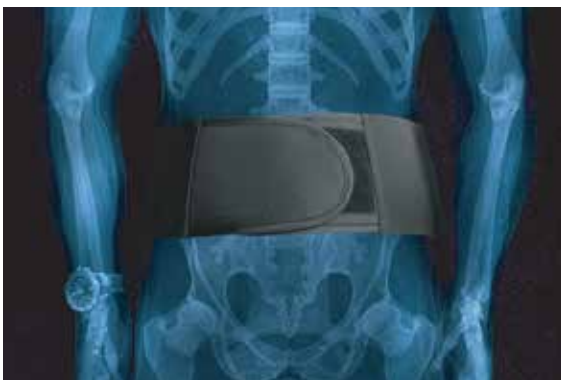
Garment Construction

- 1 Outer Fabric
- 2 Protective Materials
- 3 Outlast
- 4 Protective Materials



6" WIDE STRETCH BELT (WSB)

The Wide Stretch Belt has elastic in the back and provides additional comfort and support to the lower back. This belt comes standard on our F-111 and F-112 lead aprons. The Wide Stretch Belt is a great option for added support while wearing the Vest or Full Overlap Vest.



MAX COMFORT BELT (1304)

This webbing support belt has been designed to allow the user to fully adjust the velcro to ensure a perfect fit. Permanently fitted into your kilt.



SUSPENDERS

Does your kilt or skirt slip down during cases? Our suspenders are an excellent option for those who have equal hip and waist measurements. To ensure the bottom is secure, suspenders can be combined with the Premium Elastic Waist Band or Non-Skid Material.



SUPER BELT

The most supportive belt we carry with many features including a clever "pulley" system that works like a corset; just grasp the handle tab and tighten the belt for a secure fit. Smooth to the touch, the Super Belt's inner felt lining is comfortable around your midsection, especially during lengthy procedures. The rugged, tear-resistant nylon exterior stands up to hours of repeated use.

ACCESSORIES - THYROID SHIELDS

These protective items ensure head-to-toe protection and are available in all fabrics to match or complement each ensemble.

THYROID SHIELDS

A vital component of any radiation protection arsenal, our thyroid shields come in a variety of fabrics designed to match or complement your apron. They feature a tether attachment and offer protection levels of 0.5mm, 0.35mm, or 0.25mm Pb Eq. Additional options include Outlast temperature-regulating fabric, as well as magnetic, hook-and-loop, or buckle closures. Also available in Accent style.



TSS-STANDARD

Our Standard Thyroid Shield is a great choice for full thyroid protection. Designed to be worn loosely for a comfortable fit and reliable coverage.



TSC-CLASSIC

This is our original thyroid shield. Meant to be worn close to the neck, it is best for anyone who wants a tightfitting thyroid shield.



TSV-VISOR

The Visor Thyroid Shield's comfort collar sits snug around the neck for better fit. It has an uncompromised area of protection for better peace of mind.



TSO-OVERSIZED

The Oversized Thyroid Shield is for those who desire more protection area or have a larger neck.



CAP

In addition to a thyroid shield and apron, a cap can give you extra protection for your most important organ, your brain! Available in two sizes (S/M, L/XL), the caps feature a hook & loop closure and is available in 0.5mm or 0.35mm Pb Eq protection. Outlast temperature regulating fabric is also an option.



LEG WRAPS

Leg Wraps can protect against radiation-related issues like hair loss. They can also help guard bone marrow from radiation related damage. Available in all fabrics with 0.5mm or 0.35mm Pb Eq protection. Configurations: Knee to Ankle, Above Knee to Ankle, Foot Cover to Knee or Foot Cover to Above Knee.



SLEEVE (SL)

Our apron sleeve offers protection from side exposure or if you are turned toward the source of radiation. Available in various lengths.



SLIP-ON SLEEVE (SL3)

Our apron Slip-On Sleeves offer protection from side exposure or if you are turned into the source of radiation. The slip-on sleeve is excellent for giving full protection to the armhole of the apron, thus protecting sensitive areas such as breast tissue from radiation. It can be attached by hook-and-loop and snaps.



**YOU DON'T BECOME A LEADER,
UNLESS YOU THINK LIKE A LEADER.**

First to offer radiation protection with bi-layer attenuation material, giving you two layers of core protection instead of only one.

Our Xenolite attenuation material was developed from patented DuPont technology, making it the world's first lightweight, multi-element, composite attenuation material.

Our contoured fitted ladies vest has a patent for a bound seam. A bound seam allows for a fit that contours to the body that does not compromise protection.

Burlington is the first manufacturer to offer virtual try-ons (3DLook) in radiation protection to ensure an accurate fit.

We are the only apron manufacturer using a Gerber for precision cut patterns, improving the overall quality of the finished apron.

First to be a vertically integrated radiation protection supplier: producing both the attenuation material and the garments.

First in manufacturing a lead-free apron for a super-lightweight, flexible, and recyclable X-ray radiation protection apron.

2025

www.protecX.co.uk

B

M

25

ADDITIONAL PROTECTION



HALF APRON

This Half Apron is used for protecting the lower portion of the body of either the physician or the patient. It can also be laid on top of the patient like a blocker. In addition, half aprons can be used under standard X-ray aprons to offer additional protection for pregnant women. Available in 0.5mm, 0.35mm or 0.25mm Pb Eq. Hook and loop or buckle closure.

Available in 12" x 14", 14" x 16", 16" x 18", 18" x 20", 20" x 24", 24" x 24" in all apron fabric and binding options.



KILT BLOCKER

A panel that can be added to the kilt for added protection during pregnancy or as a general protective blocker for reproductive organs. This panel comes with hook and loop to attach in between the two front panels. It comes in protection levels 0.5mm, 0.35mm or 0.25mm Pb Eq.

Available in 10" x 10", 10" x 12", 12" x 12", 18" x 20", 20" x 24" and 24" x 24" in all apron fabric and binding options.



GONAD SHIELDS

Gonad Shields are great for providing patient protection during X-ray procedures and are available in a variety of shapes and sizes.

AVAILABLE OPTIONS:

Oval or Triangular. Sizes S, M, L, and pediatric.

EYEWEAR



BURLINGTON MEDICAL OFFERS AN EXTENSIVE LINE OF EYEWEAR THAT IS DESIGNED FOR MAXIMUM COMFORT, WEIGHT AND STYLE.

Scatter radiation poses a serious health risk to your eyes, and every reasonable action should be taken to protect them. The variety of frames and features ensures there is a style to fit every need.



WALL APRON RACK

Designed to allow proper storage of aprons by providing individual hangers for up to five aprons. This product can be purchased with the hangers which fold both left and right.

- 2409 - Holds 3 aprons**
- 2401 - Holds 5 aprons**



MOBILE APRON RACK

Designed to allow proper storage of aprons using individual hangers. Each rail has two regular and two braked casters. Available in two sizes. Hangers are not included.

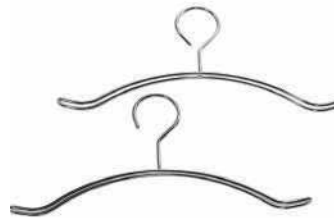
- 2404 - Holds up to 6 aprons**
- 2405 - Holds up to 12 aprons**



APRON WALL-MOUNT PEG RACKS

This wall-mounted peg rack is designed to hold frontal protection or front-and-back aprons. Each peg is 4" long and sits at an upward angle for safety and support.

- WR1 - Holds 1 apron**
- WR3 - Holds 4 aprons**
- WR4 - Holds 2 aprons**
- WR5 - Holds 7 aprons**
- WR6 - Holds 9 aprons**



HANGERS

These hangers have been designed to either remove from, or remain permanently fixed to, the hanging rail.

- 2403 - Open loop hanger**
- 2407 - Closed loop hanger**



SKIRT HOOKS

Hooks designed to hold skirts of two-piece aprons. Compatible with all ProtecX arm racks. Available in pairs.

- 2412 - Pair of 2**



MOBILE SWIVEL ARM RACK

This rack is ideal for locations where walls cannot support the weight of several aprons on a wall rack. It can be positioned at any convenient location and be moved as required. Aprons can be easily selected, removed and replaced and the shoulder shaped arms prolong the life of aprons. For 2-piece aprons an additional rack can be added to store the skirts below the tops, this rack is designed to work only with ProtecX rack 2415. Both racks hold up to 12 aprons.

- 2415 - Holds up to 12 aprons**
- 2416 - Holds up to 12 kilts**

ADDITIONAL OPTIONS



POSITIONERS

WE HAVE A WIDE VARIETY OF FOAM POSITIONERS to help you deliver the highest level of patient care. We keep pressure management and infection control at the forefront of our design and product line offerings.



BARRIERS AND DRAPES

OUR EXTENSIVE LINE OF LEAD BARRIERS AND DRAPES provide an extra layer of protection for your staff, one they don't wear. This is one more tool or resource you can use for protection from scatter.



SINGLE PIVOT SWING ARM DRAPE

Our Drapes provide superior protection and help ensure that radiation exposure is reduced as close to the source as possible:

- 28" long panels come standard but can be customized to your needs*
- 0.5mm lead equivalency
- 6-panel design for case of use with a C-Arm
- Available in Grey Herculite color

* If you require additional mobility ask about our Double-Pivot Swing Arm

MANAGE YOUR
**RADIATION
PROTECTION**
APPAREL WITH EASE

SMARTID™




SmartID™ is a web-based asset management platform that makes it easier than ever to record inventory and inspection information for any protective garment, from your desktop, laptop, tablet, or smartphone, anywhere at anytime.

Each item comes tagged with a unique QR code that can be scanned with any mobile device's QR code reader or managed through a desktop computer to record inventory and inspection information for each piece.

Contact your Account Manager
today at +44 (0) 1462 440715
or visit www.protecx.co.uk
to learn more.



Burlington Medical

POWERED BY  XENOLITE

TO PLACE YOUR ORDER

Call Your Representative:

+44 (0) 1462 440715



**1-4 Knowl Piece Business Centre, Knowl Piece,
Wilbury Way, Hitchin, Herts, SG4 0TY**

Online: www.protecx.co.uk / Phone: +44 (0) 1462 440715

©2025 - Information is correct at the time of printing and subject to change without notice