

RADIATION SAFETY

APRON CATALOG



PROTECH
MEDICAL



01

Protech's aprons are proudly hand-stitched in the USA with one collective mission: perfection. Our light-weight designs and ergonomic styles are the result of decades of manufacturing experience. Seamless finishes, clean stitching, and elegant curves are what make our aprons best-in-industry.

In short, Protech produces beautiful, hand-crafted aprons made with quality, passion, and integrity.



APRONS

QUALITY. SERVICE. INTEGRITY.

Protech Medical has some of the most professional sewing staff in the industry. This enables us to tailor aprons according to your needs and innovate new and improved designs that suit you. Fulfilling our commitment to high quality, Protech's Proguard Aprons are CE Marked and made in the USA. We also follow the strict guidelines of ISO from our notified body.

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LEAD TYPES

K-EDGE TECHNOLOGY

- Antimony/barium provide more efficient attenuation of the photon spectrum below the K-edge window of lead (35 - 88 keV)
- Higher Z elements, tungsten, bismuth and lead are more efficient for stopping higher energy radiation (>9/88 keV), and also cover the K-edge fluorescence window of antimony (< 35 keV).

Knowing what's inside your apron is as important as how that apron claims to protect you.

Each Proguard core material is carefully formulated to more efficiently attenuate portions of the photon spectrum and limit "gaps" in protection due to over-reliance on individual x-ray protective elements. Protech utilizes proper elemental balance to address k-edge concerns for key diagnostic imaging ranges. Protech's advanced elastomers exhibit the best balance of toughness, flexibility, durability and cracking resistance.



STANDARD LEAD

- **Features:** Affordable & Highly Protective
- **Composition:** Lead Plasticizers
- **Certifications:** ASTM & IEC Certified

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	14.17	12.96
Small	7.68	15.30	15.01
Medium	8.63	16.46	16.61
Large	10.35	17.60	18.25
X-Large	11.74	19.81	19.88

LEAD ATTENUATION RESULTS

Lead Equivalence	70KV	90KV	110KV	130KV
0.25mm	94.6%	88.3%	84.8%	82.5%
0.35mm	97.7%	93.6%	91.3%	89.9%
0.50mm	98.8%	95.7%	94.1%	93.1%
1.00mm	99.9%	99.2%	98.9%	98.7%



ULTRALITE LEAD

- **Features:** Flexible, 14% lighter than lead
- **Composition:** Antimony, Tungsten, Lead, Plasticizers
- **Certifications:** ASTM & IEC Certified



PROLITE LEAD FREE

- **Features:** Highly Flexible, 18% lighter than lead
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM & IEC Certified



PREMIER LEAD FREE

- **Features:** Highly Flexible, 23% lighter than lead
- **Composition:** Antimony, Tungsten, Plasticizers
- **Certifications:** ASTM Certified

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	13.34	11.66
Small	7.04	14.60	13.99
Medium	8.15	15.45	15.62
Large	9.51	16.72	17.69
X-Large	10.27	18.01	18.84

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	12.45	11.01
Small	6.78	13.48	12.98
Medium	7.71	14.77	14.24
Large	9.14	16.12	15.79
X-Large	10.23	17.45	16.76

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	11.47	10.2
Small	6.07	12.29	11.56
Medium	7.04	13.90	13.12
Large	8.43	15.02	14.5
X-Large	9.39	16.08	15.47

ULTRALITE ATTENUATION RESULTS

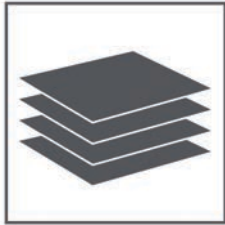
Lead Equivalence	70KV	90KV	110KV	130KV
0.25mm	94.2%	87.9%	82.9%	78.7%
0.35mm	97.6%	93.2%	89.6%	86.2%
0.50mm	99.0%	96.2%	93.9%	91.4%
1.00mm	99.9%	99.3%	98.8%	98.0%

PROLITE ATTENUATION RESULTS

Lead Equivalence	70KV	90KV	110KV	130KV
0.25mm	94.2%	87.9%	82.4%	77.7%
0.35mm	97.9%	93.9%	89.9%	86.3%
0.50mm	99.0%	96.3%	93.5%	90.5%
1.00mm	99.9%	99.4%	98.5%	97.5%

PREMIER ATTENUATION RESULTS

Lead Equivalence	80KV	90KV	100KV
0.125mm	79.5%	76.4%	73.0%
0.25mm	93.2%	90.7%	88.2%
0.375mm	96.9%	95.2%	93.5%
0.50mm	98.5%	97.3%	96.1%



BILAYER

- **Features:** Highly Protective, Uses multiple layers
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM + IEC Certified

AVERAGE APRON WEIGHTS 0.50MM LE (LBS)

	FRONTAL	VEST SKIRT	WRAP AROUND
X-Small	-	12.45	11.01
Small	6.78	13.48	12.98
Medium	7.71	14.77	14.24
Large	9.14	16.12	15.79
X-Large	10.23	17.45	16.76

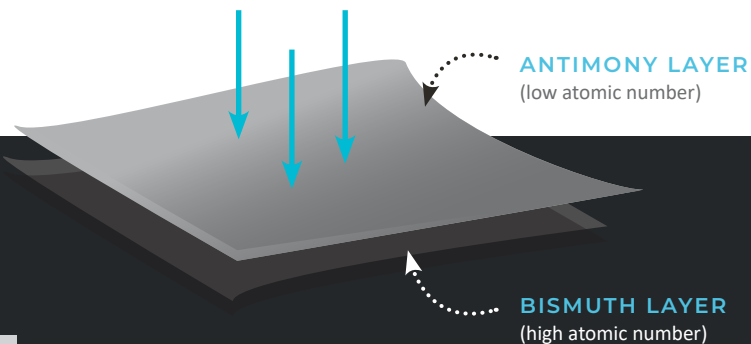
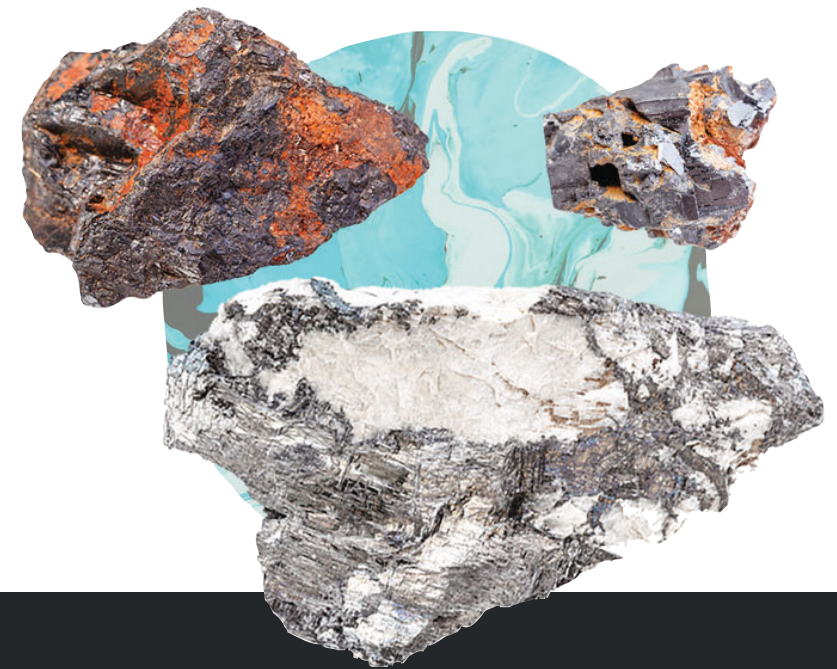
BILAYER ATTENUATION RESULTS

Lead Equivalence	60KV	70KV	90KV	110KV
0.25mm	PASS	PASS	PASS	PASS
0.50mm	PASS	PASS	PASS	PASS

WHAT MAKES BILAYER DIFFERENT?

Bilayer is comprised of individual layers of Antimony and Bismuth. By separating these attenuating elements into a bilayer configuration of low Z upstream/high Z downstream (Fig. 1), they are more efficient at diffusing radiation.

“The complimentary effects of the two materials result in increased total attenuation since the Bismuth layer will attenuate the characteristic $K\alpha$ and $K\beta$ x rays emitted by the Antimony...” [1]



Low Z upstream (antimony) High Z downstream (bismuth) bilayer configuration for 0.25mm LE

[1] - Medical Physics, Vol. 39, No. 7, July 2012



RENTAL APRONS

Rental aprons are essential for continuous education courses, cadaver workshops, or any other event that requires the use of fluoro and radiation protective apparel. There is no need to purchase and hold all of that inventory. Protech has a large selection of in stock apron rentals available to ship year round.

PROTECH

TAKING CARE OF YOUR APRON

DO'S

Clean most dirt and stains (blood, bodily fluids, barium contrast media) using designated apron cleaning solutions or mild household soaps in diluted form. To apply cleaning fluid, please use a cloth or wipe and use room temperature water.

DONT'S

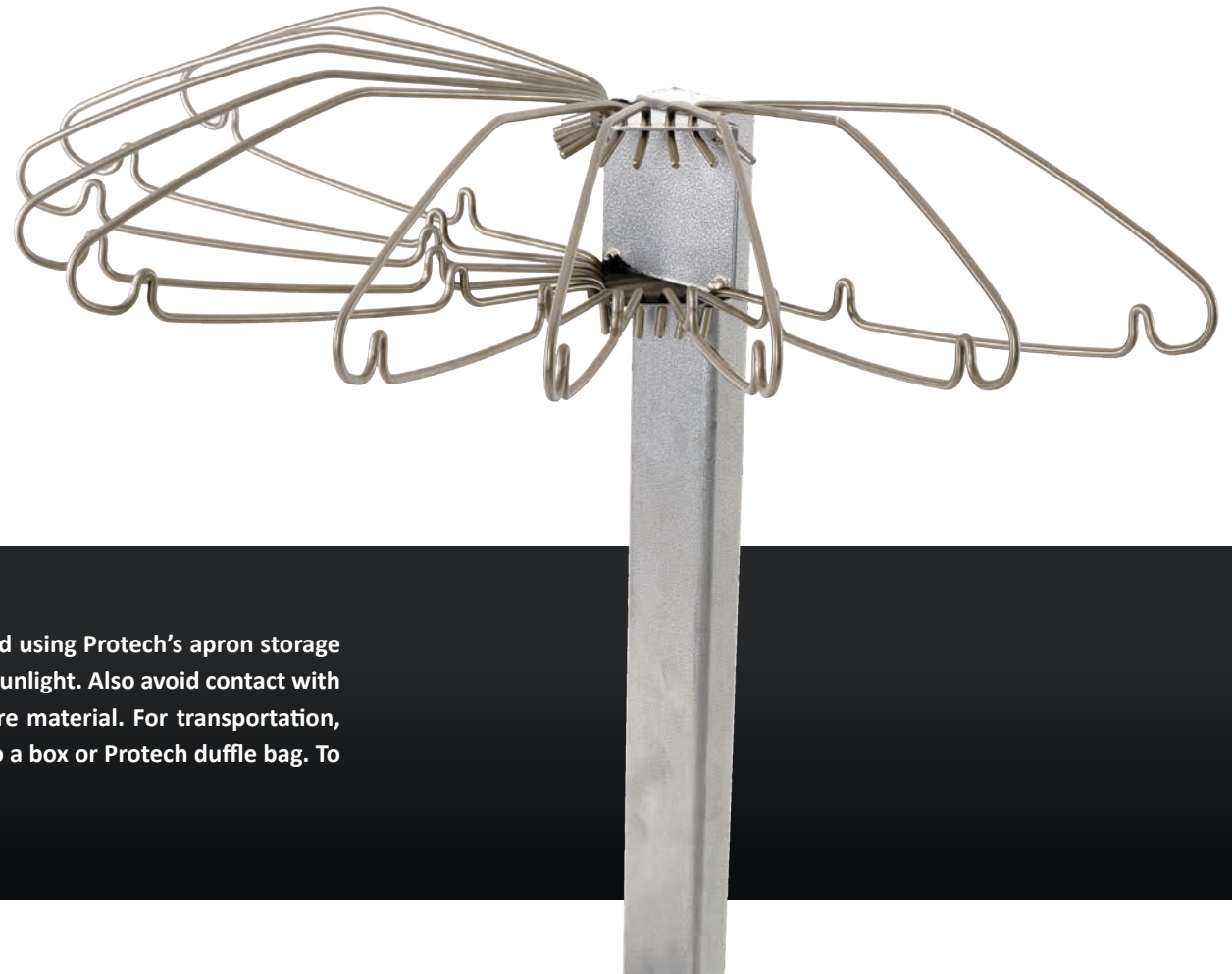
While it is possible, we DO NOT recommend you machine wash or dry your apron. Do not use hot or warm water. Do not iron or autoclave.

STORAGE

When not in use, garments should be placed on a hanger or stored using Protech's apron storage equipment. Avoid contact with hot surfaces or exposure to direct sunlight. Also avoid contact with sharp objects, as these may damage the garment's protective core material. For transportation, garments should be carefully rolled up, not folded, and placed into a box or Protech duffle bag. To view all of our apron storage products, please see pages 56-57.

LEAD DISPOSAL & RECYCLING

Aprons containing lead can be extremely hazardous to the environment and must be disposed of properly. Protech provides an in-house replacement service for this very occasion. Our disposal service is free with the purchase of any new apron! Simply call us or your local representative.



2 YEAR WARRANTY

Protech's high quality garments ("Garments", aka PPE or Aprons) include; aprons, thyroid collars, gloves, dental aprons, reproductive aprons, and lead accessories. The Garments are warranted to be free of defects in materials and workmanship to the original purchaser for 2 years.

Upon evaluation, Protech will either repair or replace the defective item or part without charge to the purchaser. This warranty is void when the product has been tampered with, when repairs or attempted repairs have been made by unauthorized persons, or when the item has been subject to misuse, abuse or damage in transit. No charges will be accepted or reimbursed for unauthorized parts, repairs or services.

Please contact your local representative for return instructions. All returns, repairs, or exchanges, regardless of reason, must be accompanied by an authorized RMA. Customer should make available the Purchase Order # or relevant sales information.



COMPLIANCE

EN 61331-1:2014: (EU) Protective devices against Diagnostic Medical X-ray radiation. (Determination of attenuation properties of material)

EN 61331-3:2014: (EU) Protective devices against diagnostic medical X-radiation Part 3: Protective clothing, Eyewear and Protective Patient shields.

ASTM 2547-18: (USA) Standard test method for determining the attenuation properties in a primary x-ray beam of materials used against radiation.



MANUFACTURER

FDA LISTING

OWNER/OPERATOR #: 10025412
FDA LISTING NUMBER: D048258
PRODUCT CODE: IWO

DEVICE CLASS: #1
REGULATION #: 892.6500
OSHA REGULATION: 1910.1096

QUALITY SYSTEM

ISO 9001
EU 2016/425, MODULE D, B

APOLLO

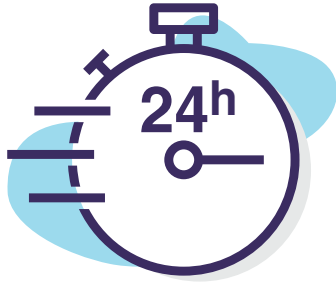
QUICKSHIP APRONS

The Apollo Quickship line offers high quality, radiation safety apparel **ready to ship within 24 hours**. All Apollo aprons are made with our easy-to-clean, Satinguard antimicrobial fabrics on both the apron's exterior and interior. It also comes with a matching, velcro thyroid collar secured via buckle attachment. All available styles on pages 11-12.

Apollo Quickship aprons are available in the following standard sizes:

	Small	Medium	Large	XL
Height	5'4"	5'8"	5'11"	6'2"+
Chest	42"	45"	48"	53"
Waist	34	38	42	46
Hips	36	40	44	48
Front Length	34	37	40.5	42.5
Front Width	21	22	24	26
Vest Length	22	24	25	25
Skirt Length	20	20	21	21





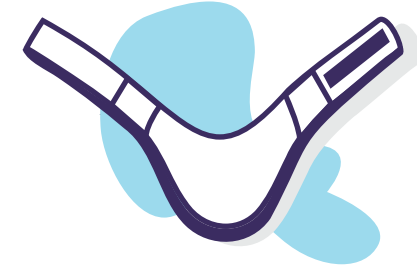
READY TO SHIP IN 24 HOURS

Skip the lead times! Your Apollo apron will be ready to ship in as little as 24 hours.



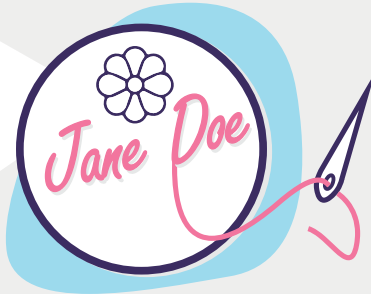
ANTIMICROBIAL FABRICS

Apollo aprons are made from our premium, easy-to-clean, antimicrobial Satinguard performance fabric.



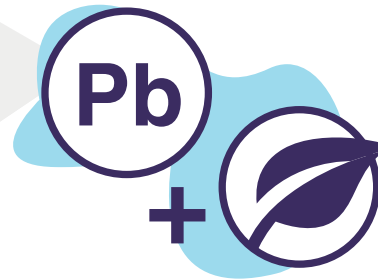
THYROID COLLAR INCLUDED

Because having a matching thyroid collar to go with your apron is almost as important as protecting your thyroid.



CUSTOM NAME TAG

Want to personalize your apron? A clear, vinyl sleeve on the apron shoulder holds an embroidered name tag.



LEAD + LEAD FREE OPTIONS

Whether you need Light Lead or Lead Free core material, we've got you covered.



NO ORDER FORMS REQUIRED

No complicated paperwork here. Just more free time.

NOTE: To ensure you get your apron as quickly as possible, Apollo aprons are not available in “made-to-measure” sizing or other customizations (with the exception of a name tag).



FLEXBACK APRON

MODEL: APO-FB

0.50mm LE Protection in the Front
Light Lead, Velcro Thyroid collar included
Available in Prolite Lead Free, Ultralite Lead, Lead
Features: Elastic Back, Extra Shoulder Padding, Pocket
Sizes: S, M, L, XL



VEST SKIRT APRON

MODEL: APO-VS

0.50mm LE Protection in the front
0.25mm LE Protection in the back
Light Lead, Velcro Thyroid collar included
Available in Prolite Lead Free, Ultralite Lead, Light Lead
Features: Buckle sets, Extra Shoulder Padding, Pocket
Sizes: S, M, L, XL



DENTAL APRON

MODEL: APO-DA

0.30mm LE Protection in the front
Thyroid collar included
Available in Light Lead
Features: Extra Shoulder Padding
Sizes: Adult (28" W x 31" L)



THYROID COLLAR

MODEL: APO-TCS

0.50mm LE Protection
Available in Velcro or Magnetic Closure
Available in Light Lead
Sizes: S, M, L, XL

#1 IN CUSTOM APRONS

Hand-crafted and made with patented polymer technology, our Proguard Aprons are more light-weight, flexible and durable than the competition. Protech specializes in tailor-made aprons. You can choose from over 100 colors for your apron's exterior color, interior color, and binding. When you're finished, you can add embroidery, logos and other add-ons for a truly customized experience.



PROGUARD





PROGUARD



A COMMITMENT TO QUALITY

With full time quality control staff and ISO certification, you are getting the best in American made protective apparel.



ULTRA-FLEXIBLE CORE MATERIALS

Proguard's Core materials feature more flexibility and durability which provides superior, long lasting comfort.



ECO-FRIENDLY LEAD FREE

Proguard lead free core materials are recyclable and non-toxic.



LUXRAY PATTERNS

LuXRay offers patterned accents on the apron's sides and shoulders combined with an optional matching design on your thyroid collar.



IN-HOUSE EMBROIDERY & LOGOS

Don't let your apron "disappear." Our embroidery and logos are done in-house with modern monogram machines and the latest in digitization technology.



NON-SLIP FABRIC ON SKIRT INTERIOR

Included for free, our premium non-slip fabric improves the fit of your skirt by reducing sliding and shifting.

CUSTOM PROJECTS

INSPIRATION

SWISS SOCCER CLUB SKIRT

This Swiss soccer club apron required great attention to detail to complete. The customer provided the fabric (which was actually a flag!) and our team got to work.

If you have a special fabric you want to use, send it our way! Our team loves a challenge.



LOUIS VUITTON FLEXBACK APRON

One of our favorite custom apron projects was this LuxRay pattern, Flexback featuring a Louis Vuitton fabric. Custom from top to bottom, this apron boasted an attached thyroid collar and velcro-adjustable apron sleeve also made in the Louis Vuitton fabric.



SUPERHERO VEST SKIRT APRON

This "Wonder Woman" inspired tri-tab vest skirt apron was a special request by one of our customers. We stitched a special Wonder woman logo on the front of the vest and a fun little star on the matching thyroid.



CUSTOMIZATION OPTIONS

When it comes to designing your perfect custom apron, Protech is #1. Our great selection of add-ons for your apron can improve your protection and comfort. Each customization is clearly defined to ensure you make the right choices for you.



CONTINUED ON
NEXT PAGE...

APRON SUSPENDERS

Need a little extra help holding up your apron skirt? Try our apron suspenders to keep that apron skirt right where you want it.

SURGICAL DROP SHOULDERS

Specialty velcro tabs can be added to different apron styles allowing for easy removal of your apron to maintain sterile field.



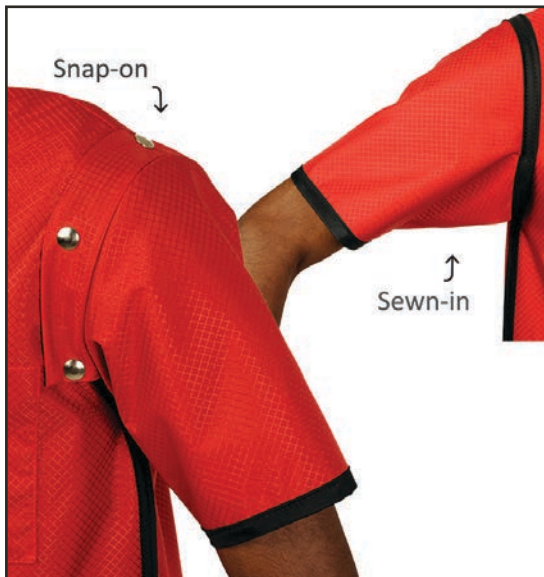


AXILLARY WINGS

Axillary wings are a protective flap sewn-in or “snapped-on” to your apron and offer vital protection to vulnerable breast tissue and red bone marrow areas. Protection levels will match your apron specifications.

SIDE EXTENSIONS

Side Extensions can provide an additional +2 inches of protection on both sides and provide important lateral protection. Protection levels will match your apron specifications.



APRON SLEEVE

Apron sleeves wrap around your entire arm and offer comprehensive protection of vulnerable breast tissue and red bone marrow areas. Sleeves come standard in 0.25mm LE and can be sewn-in permanently or offered in our removable “Snap-on” option.

EXTRA POCKETS

Need an extra pocket or two? Whether you need one on your skirt, inside your vest or even on your knees (yes, we did it), we can accommodate most requests. Shown to the right is a spacious L-shaped pocket which can be added to your skirt.





LOGO AND EMBROIDERY

Personalize your apron with your name or logo anywhere on your apron. Common embroidery locations are on the apron pocket and on a matching thyroid.

VELCRO PATCH

A customized, embroidered velcro patch can be added to a specific area on your apron. Typical locations are on the pocket, above pocket, or to the left of your pocket.



LUXRAY PATTERNS

Have your apron tailored to perfection with LuxRay's patterned accents on the apron sides, pocket and thyroid collar.

If you have a special fabric you'd like to use, we can use that too!

NON-SLIP FABRIC

A high friction, anti slip fabric that is added to the back interior of your skirt or other key areas in different apron styles which reduces slippage and improves fit.



APRON ORDERING GUIDE

1

STEP 1:

CHOOSE YOUR APRON STYLE

We offer two types of aprons: Frontal and Full Protection.

As their names suggest, a Frontal apron only protects the front of your body, while a Full Protection apron offers both front, lateral, and back protection.

For a **lighter weight apron**, choose a Frontal style. Our most popular frontal apron is the Flexback apron (see page 24).

For **greater protection**, choose a Full Protection apron. We recommend the Vest Skirt Flexback, which offers a balance of protection and comfort (see page 35).

Other important factors that should be considered in choosing your apron style: types of surgery, duration, body type and personal needs.



2

STEP 2:

CHOOSE YOUR CORE MATERIAL

Each core material varies in composition, weight and level of protection. Available Core Materials are listed below. For more information, please see pages 6-9.



STANDARD LEAD

- **Features:** Affordable & Highly Protective
- **Composition:** Lead, Plasticizers
- **Certifications:** ASTM & IEC Certified



PROLITE LEAD FREE

- **Features:** Highly Flexible, 18% lighter than lead
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM & IEC Certified



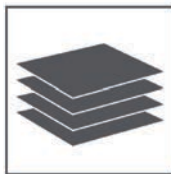
ULTRALITE LEAD

- **Features:** Flexible, 14% lighter than lead
- **Composition:** Antimony, Tungsten, Lead, Plasticizers
- **Certifications:** ASTM & IEC Certified



PREMIER LEAD FREE

- **Features:** Highly Flexible, 23% lighter than lead
- **Composition:** Antimony, Tungsten, Plasticizers
- **Certifications:** ASTM Certified



BILAYER

- **Features:** Highly Protective, Uses multiple layers
- **Composition:** Antimony, Bismuth, Plasticizers
- **Certifications:** ASTM + IEC Certified

3

STEP 3:

CHOOSE YOUR CORE MATERIAL THICKNESS

Higher thicknesses achieve greater protection. Also note that higher thicknesses are heavier. Available thicknesses: 0.25, 0.35, 0.50, 1.00mm LE.





4

STEP 4: CHOOSE YOUR FABRIC COLORS

You will need to choose colors for the exterior, interior and binding thread of your apron. Need a fabric that performs? Consider our anti-microbial, Satinguard fabrics for an easy-to-clean option. You can view our fabric color options on pages 57-60.

If you have your own fabric that you'd like to use, we can accommodate! Just take a look at this Louis Vuitton apron; a special request by one of our customers.



5

STEP 5: CHOOSE CUSTOMIZATIONS

Depending on your apron style, you'll have a variety of customization options to choose from. Some examples: Embroidery, axillary wings, logos, extra pockets, etc. See pages 16-18 for more information.

Please note: Essentials aprons are only available in standard sizes and cannot be customized. If you need a made-to-measure Vest Skirt or Wraparound apron, please select the Balance configuration.

FRONT PROTECTION

APRON FEATURES



Backstrap

Velcro backstrap securely fastens shoulder area.

Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.



Back Relief Belt

Wide, elastic belt provides lumbar support and maximum comfort.

Apron Pocket

Belt Buckle Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Wings
Extra Pocket	Embroidery	Back Mesh
Logo	Sleeve	

CORE MATERIAL

THICKNESS OPTIONS

	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

BACK RELIEF APRON

MODEL: [AP-BR]

Save yourself from back pain with Protech's Back Relief apron. This apron features a unique padded belt system constructed with a bonded elasticized panel that will not lose its shape. When engaged, the special back relief belt provides lumbar support while transferring the weight of the apron from your shoulders to your hips for increased comfort and back support throughout the life of the apron. A velcro backstrap is also included to secure the apron around your shoulder area and prevent sliding.



BUCKLE APRON

MODEL: [AP-BA]

The Buckle Apron comes standard with an easy-release buckle allowing for quick removal of the apron. The belt is adjustable to accommodate different sizes. Criss-cross back straps provide a secure, comfortable fit.



FRONT PROTECTION

APRON FEATURES



Wide Body Back Panels
The comfortable panels secure your apron and provides lumbar support.

Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.

Apron Pocket






Durable Buckle Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Elastic Back
Extra Pocket	Embroidery	Backstrap
Logo	Sleeve	

CORE MATERIAL

THICKNESS OPTIONS

 Standard Lead	0.25, 0.50mm, 1.00mm
 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
 Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FRONT PROTECTION

APRON FEATURES

+ **Backstrap**
Velcro backstrap securely fastens shoulder area.

+ **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.

Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.

Apron Pocket




Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Wings
Extra Pocket	Embroidery	Back Mesh
Logo	Sleeve	

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.



FLEXBACK APRON

MODEL: [AP-FB]

Representing the gold standard of quality, the Flexback apron design provides enhanced back relief, comfort, and excellent weight distribution. Criss-cross back straps are specially designed with elastic to “flex” the apron’s weight burden off your shoulders to your hips, thereby providing support to your lower back. A velcro backstrap (shown below) is included and secures the apron around your shoulder area to prevent sliding.



SURGICAL DROP APRON

MODEL: [AP-SD]

Maintain your sterile field with the quick release Surgical Drop Apron. Easy-release velcro closures allow the surgical drop to fall even when underneath your scrubs. With padded shoulders and a criss-cross back strap design the surgical drop apron provides maximum comfort for all users. Hanging straps are included to allow for easy storage on any Protech apron rack.



FRONT PROTECTION

APRON FEATURES

- +** **Hanging Straps**
Hanging straps on the shoulders allow for easy storage on any Protech apron rack.
- +** **Surgical Drop**
Quick release velcro closure tabs help maintain sterile field.
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Extra Pocket
- Embroidery
- Logo

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FRONT PROTECTION

APRON FEATURES






- Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Tie Closure

ADDITIONAL CUSTOMIZATION OPTIONS

- | | | |
|----------------|------------|-----------|
| Thyroid Collar | Embroidery | Wings |
| Logo | Sleeve | Backstrap |

CORE MATERIAL

THICKNESS OPTIONS

 Standard Lead	0.25, 0.50mm, 1.00mm
 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
 Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

TIE APRON

MODEL: [AP-TA]

The Tie Apron is an easy-to-use, affordable option for x-ray protection. Utilizing a tie closure, the Tie Apron's criss crossing straps ensure a secure and comfortable fit. Pediatric sizing available, see page 49.



UROLOGY APRON

MODEL: [AP-UA]

If you sit while performing procedures requiring x-ray, you may be unnecessarily exposing yourself to radiation. The Urology Apron features a three panel system at the bottom of the apron which enables the user to sit comfortably while maintaining maximum coverage from x-ray.



FRONT PROTECTION

APRON FEATURES

- +** **Multi-Panel Design**
Allows for easy maneuvering and a comfortable fit.
- +** **Backstrap**
Velcro backstrap securely fastens shoulder area.
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Drop Shoulder
- Wings
- Extra Pocket
- Embroidery
- Back Mesh
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FRONT PROTECTION

APRON FEATURES



Wide Body Back Panels

The comfortable panels secure your apron and provides lumbar support.

Shoulder Padding

Premium foam padding in the shoulders provides extra comfort.

Apron Pocket

Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

Thyroid Collar	Drop Shoulder	Wings
Extra Pocket	Embroidery	Backstrap
Logo	Sleeve	Back Mesh

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
Leaf	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
Bird	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
Stack	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

VELCRO ADJUSTABLE APRON

MODEL: [AP-VA]

Do you need comfort and adjustability at an affordable price? The Velcro Adjustable apron has crisscrossing back straps that provide back support while securing the apron around your waist. Wide back straps prevent the apron from slipping around your shoulder and back area. Pediatric sizing available, see page 49.



MATERNITY APRON

MODEL: [AP-MA]

The maternity apron features easy ties and a quick release buckle to secure the back and front panels; allowing complete adjustability during pregnancy. The maternity apron also includes an additional .50mm equivalent half apron for a total of 1.00mm Pb protection over the abdominal area and lower extremities.



FULL PROTECTION

APRON FEATURES





- + Complete Coverage**
The front & back panels ensure you are fully protected from beginning to end of your pregnancy.
- + Half Apron Included**
A Half apron is included for additional protection as you progress through your pregnancy.
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Tie & Buckle Closures**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo

CORE MATERIAL

THICKNESS OPTIONS

	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION

APRON FEATURES





- +** **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
- +** **Single Front Panel**
Eliminates excess overlapping panels achieving a 15% weight reduction (compared to other wraparound and VS models).
- +** **Tri-tab Closure**
Ensures a proper fit.
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- | | | |
|----------------|-------|--------------|
| Thyroid Collar | Wings | Extra Pocket |
| Embroidery | Logo | Sleeve |

CORE MATERIAL

THICKNESS OPTIONS

	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

WRAPAROUND FLEXBACK MATERNITY APRON

MODEL: [AP-WAFBMA]

The Wraparound Flexback Maternity apron combines the best qualities of our flexback apron with the full protection and back support of our wraparound back relief apron. The elastic stretch-back shifts weight from your shoulders to your hips while the tri-tab velcro closure system provides convenient, easy-on easy-off wearability. In addition, the 6" wide frontal velcro allows the wearer to adjust the crossties up or down to account for mom's growing belly. The Wrap Around Flexback eliminates excess overlapping lead and is up to **15% lighter than traditional wrap styles.**



ESSENTIAL™ WRAPAROUND BACK RELIEF APRON

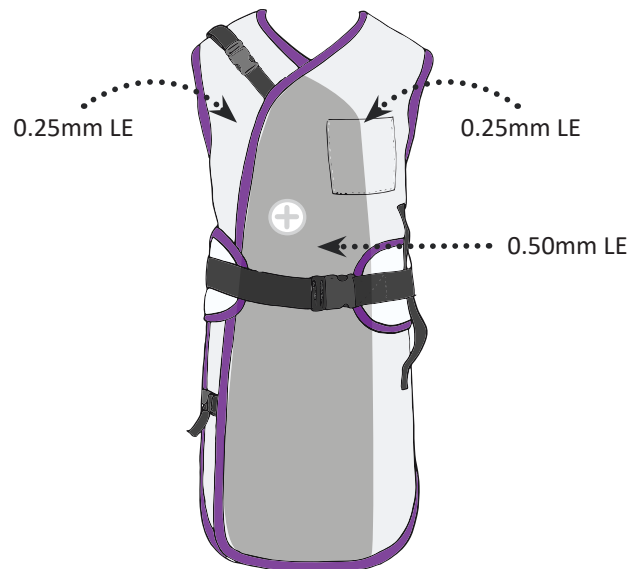


MODEL: [AP-WAQ]

Offering full protection, this back relieving design transfers the weight from your shoulders to your hips with the aid of a 6" lumbar support belt. The Wrap Around Back Relief apron features velcro and buckle closures to ensure a proper fit. The Essential apron configuration features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection. The Essential Wraparound is available in standard sizing only. For a made-to-measure Wrap-around apron, see the Balance Wraparound on the next page.



Example of a 0.50mm LE
Essential Vest Skirt Apron
Lead Configuration



FULL PROTECTION

APRON FEATURES

- Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- Back Relief Belt**
Elastic lumbar support belt with buckle closure system.
- Extended Front Panels**
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro and Buckle Closures**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION

APRON FEATURES

- +** **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- +** **Back Relief Belt**
Elastic lumbar support belt with buckle closure system.
- +** **Seam-to-seam Protection**
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro and Buckle Closures**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
U	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
P	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
B	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

BALANCE™ WRAPAROUND BACK RELIEF APRON

MODEL: [AP-WABR]

Offering full protection, this back relieving design transfers the weight from your shoulders to your hips with the aid of a 6" lumbar support belt. The Wrap Around Back Relief apron features velcro and buckle closures to ensure a proper fit. The Balance configuration features **seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration).

Example of a 0.50mm LE Balance Vest Skirt Apron Lead Configuration



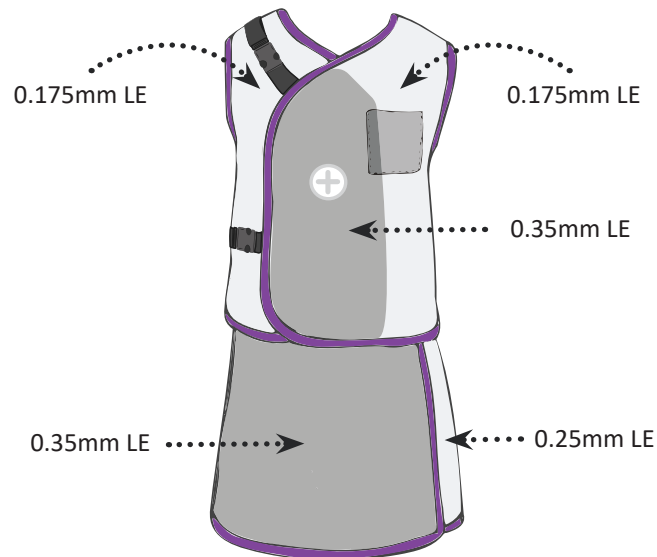
ESSENTIAL™ VEST SKIRT APRON

MODEL: [AP-VSQ]

Be prepared for prolonged procedures with the Vest Skirt apron. The two piece design shifts 70% of the weight directly to the hips, reducing back fatigue. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection.** The skirt comes standard with a premium non-slip fabric in the back. **Essential aprons are only available in standard sizes.** For a made-to-measure Vest Skirt, see the Balance Vest Skirt Apron.



**Example of a 0.35mm LE
Essential Vest Skirt Apron
Lead Configuration**



FULL PROTECTION

APRON FEATURES

- +** Adjustable Buckle Set
Adjustable buckle closures ensure a secure fit.
- +** Non-slip Backing (skirt interior)
Reduces slippage and improves fit.
- +** Extended Front Panels
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket
- Velcro Closure

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION



BALANCE™ VEST SKIRT APRON

MODEL: [AP-VS]

APRON FEATURES

- +** **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- +** **Non-slip Backing (skirt interior)**
Reduces slippage and improves fit.
- +** **Seam-to-seam Protection**
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm



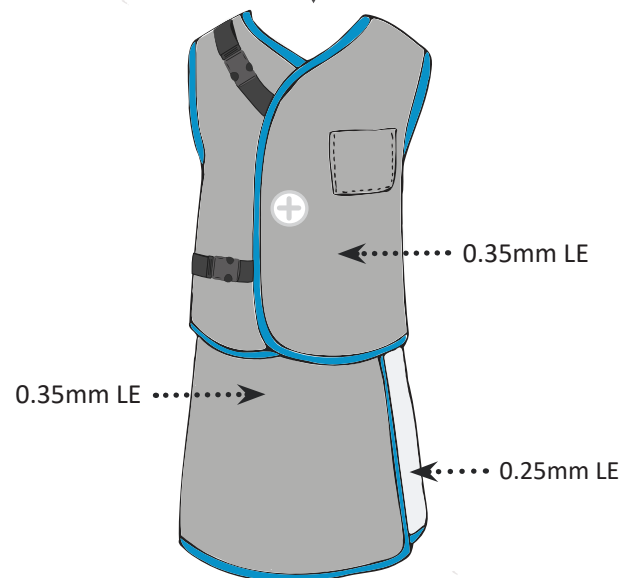
FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

Be prepared for prolonged procedures with the Vest Skirt apron. The two piece design shifts 70% of the weight directly to the hips, reducing back fatigue. The Balance configuration **features seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration). The skirt comes standard with a premium non-slip fabric in the back.

Example of a 0.35mm LE Balance Vest Skirt Apron Lead Configuration



ESSENTIAL™ FLEXBACK VEST SKIRT APRON

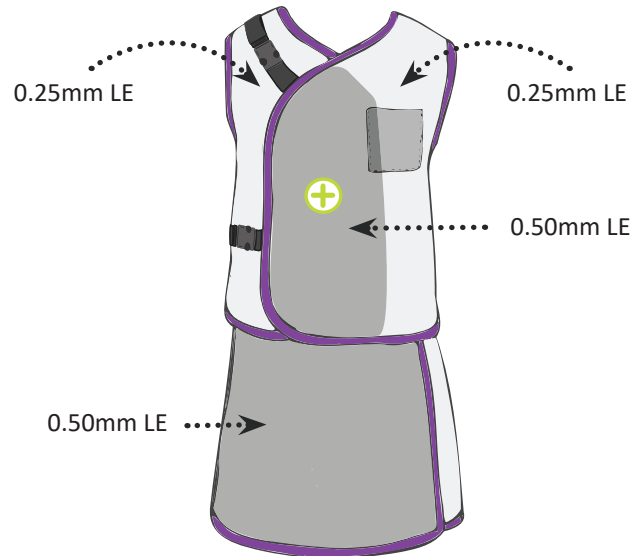


MODEL: [AP-VSFBQ]

The Essential Vest Skirt Flexback shifts 70% of the weight directly to the hips with added support of an adjustable, elastic back relief belt. The Essential apron configuration **features extended front panels to achieve a 3/4 overlap (where protection is doubled) which allows for a lighter weight apron without compromising protection.** The skirt comes standard with an anti-slip fabric in the back (interior) to keep your skirt in place. **Essential aprons are only available in standard sizes.** For a made-to-measure Vest Skirt Flexback, see the Balance Vest Skirt Flexback Apron.



Example of a 0.50mm LE Essential Vest Skirt Apron Lead Configuration



FULL PROTECTION

APRON FEATURES

- + **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- + **Flexback Belt**
Wraps internally around your back and securely fastens in the front.
- + **Non-slip Backing (skirt interior)**
Reduces slippage and improves fit.
- + **Extended Front Panels**
Front panels are extended to 3/4 overlap coverage where LE protection is doubled
- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Standard Lead	0.25, 0.50mm, 1.00mm
Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION



BALANCE™ FLEXBACK VEST SKIRT APRON

MODEL: [AP-VSFB]

APRON FEATURES

- +** **Adjustable Buckle Set**
Adjustable buckle closures ensure a secure fit.
- +** **Flexback Belt**
Wraps internally around your back and securely fastens in the front.
- +** **Non-slip Backing (skirt interior)**
Reduces slippage and improves fit.
- +** **Seam-to-seam Protection**
Seam-to-seam, standardized protection in Front (no change in protection at overlap)
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

The Essential Vest Skirt Flexback shifts 70% of the weight directly to the hips with added support of an adjustable, elastic back relief belt. The Balance configuration **features seam-to-seam, single LE protection with standard overlapping panels** (see below for lead configuration). The skirt comes standard with an anti-slip fabric in the back (interior) to keep your skirt in place.

Example of a 0.50mm LE Balance Vest Skirt Apron Lead Configuration

CORE MATERIAL

THICKNESS OPTIONS

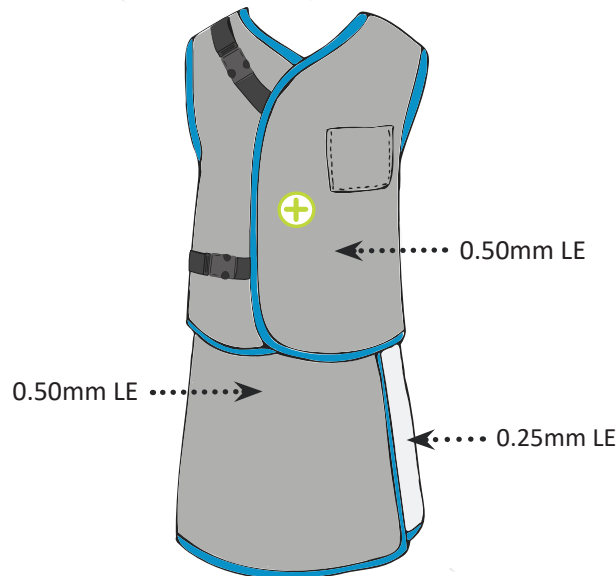
Pb	Standard Lead	0.25, 0.50mm, 1.00mm
U	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
P	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
B	Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.



WRAPAROUND FLEXBACK APRON

MODEL: [AP-WAFB]

Want the ultimate in comfort and protection? The Wrap Around Flexback apron combines the best qualities of our flexback apron with the full protection and back support of our wraparound back relief apron. The elastic stretch-back shifts weight from your shoulders to your hips while the tri-tab velcro closure system provides convenient, easy-on easy-off wearability. The Wrap Around Flexback eliminates excess overlapping lead and is up to **15% lighter than traditional wrap styles.**



FULL PROTECTION

APRON FEATURES

- +** **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
- +** **Single Front Panel**
Eliminates excess overlapping panels achieving a 15% weight reduction (compared to other wraparound and VS models).
- +** **Tri-tab Closure**
Ensures a proper fit.
- +** **Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- +** **Apron Pocket**
- +** **Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Wings
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

Pb	Standard Lead	0.25, 0.50mm, 1.00mm
	Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
	Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
PR	Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
	Bilayer	0.25, 0.50mm, 1.00mm







FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.

FULL PROTECTION

APRON FEATURES

-  **Elastic Back**
Provides enhanced adjustability and lumbar support. Shifts weight from shoulders & hips.
-  **Single Front Panel**
Eliminates excess overlapping panels achieving a 10% weight reduction (compared to VS model).
-  **Tri-tab Closure Design**
Ensures a proper fit.
-  **Non-slip Backing (skirt)**
Reduces slippage and improves fit.






- Shoulder Padding**
Premium foam padding in the shoulders provides extra comfort.
- Apron Pocket**
- Multi-tab Velcro Closure**

ADDITIONAL CUSTOMIZATION OPTIONS

- Thyroid Collar
- Extra Pocket
- Embroidery
- Logo
- Sleeve

CORE MATERIAL

THICKNESS OPTIONS

 Standard Lead	0.25, 0.50mm, 1.00mm
 Ultralite Lead	0.25, 0.35, 0.50mm, 1.00mm
 Prolite Lead-Free	0.25, 0.35, 0.50mm, 1.00mm
 Premier Lead Free	0.25, 0.35, 0.50mm, 1.00mm
 Bilayer	0.25, 0.50mm, 1.00mm



FOR SIZING AND COLOR OPTIONS SEE PAGES 55-60.



*CE applies to Lead, Ultralite Lead and Prolite Lead Free IEC in 0.25, 0.35, and 0.50mm. Prolite IEC is limited to 110kVp diagnostic range.



TRI-TAB VEST SKIRT APRON

MODEL: [AP-TVS]

With an easy-on, easy-off multi tab (velcro) closure design, the Tri-tab is a popular style for vest and skirt combinations. Velcro closures are located on the left shoulder and around the hips. An elastic back allows for a flexible fit while providing premium comfort and back support. The Tri-tab Vest Skirt reduces excess overlapping lead and is **up to 10% lighter than traditional vest models.**



DENTAL APRON



MODEL	AP-DA
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	None
SIZING	Adult: 28" W x 31" L Pediatric: 24" W x 23" L
CUSTOMIZATIONS	Embroidery and Logo
ADD-ONS	Thyroid Collar (included)
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Features a non-slip microfiber material that ensures the apron lays in place over the patient. There are no closures. The thyroid collar is included.



DENTAL PANORAMIC PONCHO



MODEL	AP-DP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	Velcro
SIZING	Adult: 24" W x 27" L x 16" L (front) Pediatric: 22" W x 12" L x 6" L (front)
CUSTOMIZATIONS	Embroidery and Logo
ADD-ONS	Thyroid Collar
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Drapes over the body to provide front and back protection. Similar to the dental cape but the velcro closure is on the shoulder area. The Dental Panoramic Poncho comes in two sizes.

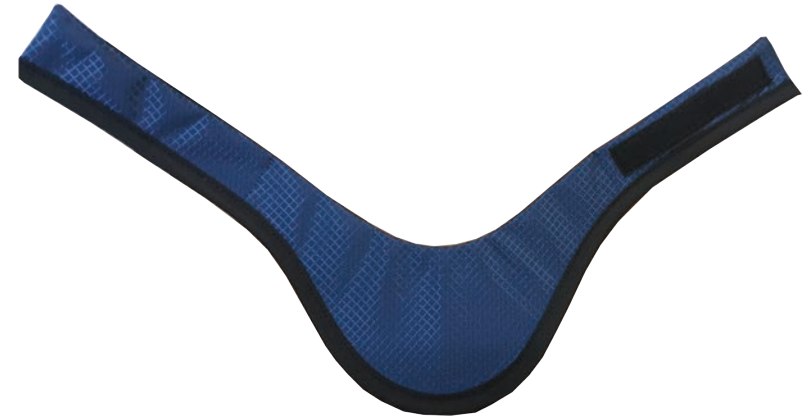


ORIGINAL THYROID COLLAR



MODEL	AP-TCO
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro (shown), Magnets or Buckle
SIZING	SM: 13-14" MD: 15-16" LG: 17"+ XL: Custom
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The original style thyroid collar fits lower on the neck, offering coverage of the thyroid against scatter radiation. Velcro strips on the end allow for neck size adjustability. This streamlined style is our most popular.



STANDARD THYROID COLLAR



MODEL	AP-TCS
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro, Magnets or Buckle (shown)
SIZING	SM: 13-14" MD: 15-16" LG: 17"+ XL: Custom
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The standard radiation thyroid collar is designed to fit higher along the neck while providing complete coverage of the thyroid against x-ray radiation.



PROGUARD THYROID COLLAR



MODEL	AP-TCG
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	SM: 21" MD: 22" LG: 23" XL: 24"
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Featuring a form-fitting design and velcro closure, the Proguard thyroid collar provides front and back protection.



MAMMOGRAPHY THYROID COLLAR



MODEL	AP-TCM
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro (shown) or Buckle
SIZING	One Size: 29" L, 4" Bib
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Don't let the standard or original thyroid collar get all the attention. The mammography's sleek profile provides a detachable alternative to "sewn-in" thyroid collars while allowing for adjustability. Additionally, the mammography thyroid collar serves as a valuable option for patient protection.



THYROID COLLAR COVERS

MODEL	SG-TCCD
CORE MATERIALS	None
MATERIAL	SMS
SIZING	One size fits all
FEATURES	Disposable
UOM QTY	50 per box

Our disposable thyroid collar covers do not provide protection against x-ray, but are a useful way to encourage the use of thyroid collars by keeping them clean. The thyroid collar covers fit a wide variety of thyroid collar styles, will prevent damage from make-up and prevent the build-up of filth. Extend the life of your thyroid collars by covering them with ScatterGuard's hygienic, disposable thyroid collar cover.



PROGUARD SMART CAP



MODEL	AP-PGCAP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Beaded Adjustable Strap
SIZING	SM-M: 21-22" L-XL: 23-25"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Need head protection that is breathable, light-weight, and comfortable? The Proguard Smart Cap features breathable CoolGuard spandex fabric on the top while providing protection around the sides of your head.



PAGE CAP



MODEL	AP-PAGE
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	S: 21" M: 22" L: 23" XL: 24"
CUSTOMIZATIONS	Embroidery and Logo
PROTECTION	Side Protection
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The Page Cap is designed to provide protection around the sides of your head, while the top contains no lead. Alternatively, similar to a scrub cap, the Head Cap provides x-ray protection around the entire head. Velcro tab closures allow for an adjustable fit on both styles. *Sizes based on head circumference.



HEAD CAP



MODEL	AP-CAP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	S: 21" M: 22" L: 23" XL: 24"
CUSTOMIZATIONS	None
PROTECTION	Top and Side Protection
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Similar to a scrub cap, the Head Cap provides x-ray protection around the entire head. Velcro tab closures allow for an adjustable fit on both styles. *Sizes based on head circumference.



DISPOSABLE SMART CAP



MODEL	SG-DCAP
CORE MATERIALS	Prolite Lead Free
THICKNESS	0.125, 0.25, or 0.375mm LE
CLOSURE	Ties
SIZING	One size fits all
CUSTOMIZATIONS	None
COLORS	Blue
CE	Yes (only 0.25mm LE)

ScatterGuard's disposable Smart Caps are designed to provide essential protection against scatter radiation. Light-weight and adjustable, our Smart Cap has a convenient, universal fit. The Smart Cap is made with a premium lead-free material and may be disposed of through normal waste procedures. The disposable Smart Cap blocks up to 95% of radiation depending on whether you choose 0.125, 0.25, or 0.375mm LE.



SCOLIOSIS STOLE



MODEL	AP-STOLE
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Pediatric: 15" x 4.75" Medium: 18.5" x 6.75" Large: 23.5" x 8"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The scoliosis stole is primarily used for spinal imaging. The shield features velcro panels and an adjustable belt for proper positioning. The neck area does not contain lead, allowing complete visibility of the spine during x-ray, while offering protection to the breast area. This shield is great for scoliosis studies.



GONAD/OVARIAN SHIELD



MODEL	AP-GONAD/GONAD-SET
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Small - 5.75" x 4.5" Medium - 7.6" x 6.4" Large - 9.5" x 7.8" Pediatric sizing also available (page 54)
CUSTOMIZATIONS	Embroidery and Logo
SPECIAL	Available as a set of 4 or individually
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

This unique gonad/ovarian shield belt system comes complete with four interchangeable sizes which provide coverage from x-ray for a variety of needs. The adjustable buckle also allows the user to fit almost any waist size. The gonad/ovarian belt system comes as a set of 3 sizes (adult or pediatric sets). They can also be purchased individually.



APRON SLEEVE



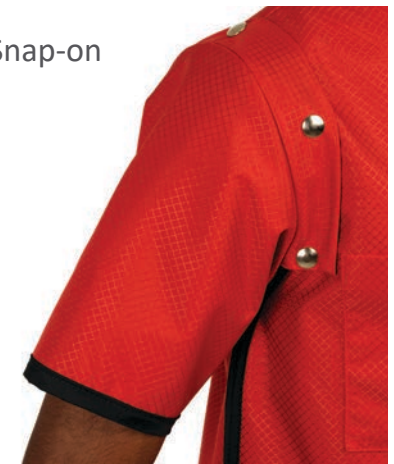
MODEL	AP-SLV/SLV2
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	Snap-on or Sewn-in
SIZING	Small, Medium, Large, XL or Custom
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

This optional sleeve is available for many apron styles and protects the upper arm and shoulder from direct beam and scatter radiation. It can be attached as a snap-on or directly sewn-on.

Sewn-in



Snap-on



SHIN GUARDS



MODEL	AP-SG
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	SM: 13" x 9" M: 14" x 10" L: 16" x 12" XL: 18" x 24"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

When being exposed to ionizing radiation, all forms of radiation protection are necessary. Shin Guards protect against beam scatter when no table drapes are present. Optional feet protector extensions may be added.



HALF APRON



MODEL	AP-HA
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	SM: 10" x 10" MD: 18" x 16" LG: 24" x 20" XL: 24" x 24"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60

The half apron can provide extra radiation protection. Selling it separate also allows you to mix and match a smaller bottom half with a larger top piece or vice versa.



CORSET BELT

MODEL	AP-CORSET
PROTECTION	None
SIZING (FEMALE)	Small - 4XL (Use apron waist measurement)
SIZING (MALE)	Small - 4XL (Use apron waist measurement)
COLORS	Black

Our corset belt is a great apron accessory for added back support when wearing a radiation protective apron. The finger pull tab and pulley system along the spine provides for simple adjustment and even tension.

***The corset belt is worn under the apron.**
**** Use apron waist measurements on page 59 to determine your size.**



BACK RELIEF BELT

MODEL	AP-BLT
PROTECTION	None
CLOSURE	Buckle
SIZING (FEMALE)	XS: 24-26" S: 26-28"
	M: 28-31" L: 31-33"
	XL: 34-38"
SIZING (FEMALE)	XS: 30-33" S: 33-36"
	M: 37-40" L: 41-44"
	XL: 44-48"
CUSTOMIZATIONS	None
COLORS	Refer to fabric colors on pages 57-60

The back relief belt is constructed of neoprene bonded elastic. It features high quality components that do not lose elasticity. The belt also features a non-slip adjustable buckle to ensure a secure fit. The back relief belt attaches separately from the apron.





PEDIATRIC PROTECTION

PEDIATRIC TIE APRON



MODEL	AP-TA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Tie
SIZING	Small: 12 x 24" (Ages 1-3) Medium: 14 x 26" (Ages 4-6) Large: 16 x 28" (Ages 7-10)
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The Tie Apron is an easy-to-use, affordable option for x-ray protection. Utilizing a tie closure, the Tie Apron's criss crossing straps ensure a secure and comfortable fit. Premium foam padding in the shoulders provides extra comfort.



PEDIATRIC VELCRO ADJUSTABLE APRON



MODEL	AP-VA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	Small: 12 x 24" (Ages 1-3) Medium: 14 x 26" (Ages 4-6) Large: 16 x 28" (Ages 7-10)
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The Velcro Adjustable apron has crisscrossing back straps that provide back support while securing the apron around your waist. Wide back straps prevent the apron from slipping around your shoulder and back area.



PEDIATRIC HALF APRON



MODEL	AP-HA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	Custom
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The half apron can provide extra radiation protection. Selling it separate also allows you to mix and match a smaller bottom half with a larger top piece or vice versa.



PEDIATRIC DENTAL APRON



MODEL	AP-DA-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50, 0.35, 0.25mm (standard) LE
CLOSURE	None
SIZING	Pediatric: 24" W x 23" L
CUSTOMIZATIONS	Embroidery and Logo
SPECIAL	Thyroid Collar (included)
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Features a non-slip microfiber material that ensures the apron lays in place over the patient. There are no closures. The thyroid collar is included.



PEDIATRIC THYROID COLLAR



MODEL	AP-TCP
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	Infant: 10" (Ages 2-4) Pediatric: 12" (Ages 5-10)
CUSTOMIZATIONS	Embroidery and Logo
ATTACHMENTS	Loose, Clip, Keyring, Tethered
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

Available in either the standard or original style thyroid collars, our Pediatric Thyroid collar is designed to protect children ages 2 to 10 from harmful x-ray.



PEDIATRIC GONAD SHIELD SET



MODEL	AP-GONADSET2
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Velcro
SIZING	1 Pediatric: 3.75" x 3.75" 1 Child: 5" x 4" 1 Small: 5.75" x 4.5"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

This unique pediatric gonad/ovarian shield belt system comes complete with three interchangeable sizes which provide coverage from x-ray for a variety of needs. The adjustable buckle also allows the user to fit almost any waist size. The gonad/ovarian belt system comes as a set of 3 sizes, or can be purchased individually.



PEDIATRIC SCOLIOSIS STOLE



MODEL	AP-STOLE-CH
CORE MATERIALS	All Core Types (see page 10)
THICKNESS	0.50 (standard), 0.35, 0.25mm LE
CLOSURE	Buckle
SIZING	Pediatric: 15" x 4.75"
CUSTOMIZATIONS	Embroidery and Logo
COLORS	Refer to fabric colors on pages 57-60
CE	Yes

The scoliosis stole is primarily used for spinal imaging. The shield features velcro panels and an adjustable belt for proper positioning. The neck area does not contain lead, allowing complete visibility of the spine during x-ray, while offering protection to the breast area. This shield is great for scoliosis studies.



TUGGA BABY



MODEL	RE-BABY
FRAME TYPE	Goggles
FRONT LENS	0.75mm Pb Glass
WEIGHT	42g
FRAME SIZE	46-18
MATERIAL	N/A
SIDE SHIELDS	N/A
RX OPTIONS	N/A
MIN PRG PD	N/A
CE	Yes
COLORS	Shiny Pink, Shiny Blue, Shiny Green

Protech's Tugga Baby pediatric glasses provide essential protection during medical fluoroscopy and feature a universal fit with its adjustable headband.



APRON STORAGE

EXTEND THE LIFE OF YOUR APRON

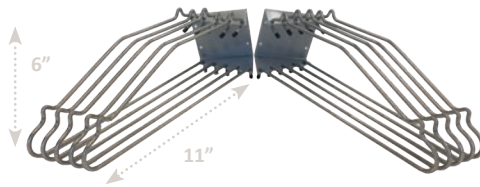
When not in use, garments should be placed on a hanger or stored using Protech's apron storage equipment. Avoid contact with hot surfaces or exposure to direct sunlight. Also avoid contact with sharp objects, as these may damage the garment's protective core material. For transportation, garments should be carefully rolled up, not folded, and placed into a box or Protech duffle bag.

WALL RACK

MODEL: [AS-WALL-L/R]

CAPACITY: 5 APRONS PER CONSOLE

Prolong the life of your radiation protective garment with our apron wall rack console. Each console holds up to 5 protective aprons with the combined left and right consoles storing up to 10 aprons. The wall console features hooks on the top of the hangers for lead skirts. *Does not include mounting hardware.

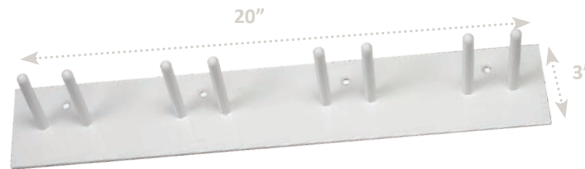


PEG RACK

MODEL: [AS-PEG]

CAPACITY: 1-9 APRONS

The apron Peg rack is made of steel construction and easily screws into wall studs. It can store up to 9 aprons but comes in a variety of sizes that accommodate the storage of 1, 2, 4, 7, or 9 lead aprons. This affordable wall storage for aprons is essential to prolong the life of your protective aprons. *Mounting hardware is not included.



Model	# of Pegs	# of Aprons	Dimensions
PEG-2	2	1	5x3"
PEG-4	4	2	10x3"
PEG-8	8	4	20x3"
PEG-14	14	7	35x3"
PEG-18	18	9	45x3"

PORTA RACK

MODEL: [AS-PORTRK]

CAPACITY: 8 APRONS

Ideal for use in the O.R., Specials, and Cath Labs, this portable apron storage unit is great quality and affordable. The 24" wheel base with double casters allows this completely loaded rack to glide smoothly while being moved. The porta rack features moving hanger arms that swing forward and backwards for easy apron selection.



MIGHTY MAX RACK

MODEL: [AS-MAX-MOB]

CAPACITY: 10 APRONS

The Mighty-Max mobile apron rack's solid steel design holds up to 10 aprons. The pedestal base has rolling wheels for easy portability. Convenience hooks on each hanger can hold lead skirts.



APRON HANGER

MODEL: [AS-HANGER]

CAPACITY: 40LBS

Constructed out of aluminum for durability and longevity this apron hanger is used for the storage of radiation protection aprons. It features hook style ends that are designed to hold lead skirts.



VALET RACK

MODEL: [AS-VALET/VALET-VS]

CAPACITY: UP TO 15 APRONS/10 APRONS(VS)

Industrial quality steel construction and easy roll casters make these mobile apron racks an excellent portable storage option. The rack provides storage capacity for up to 15 aprons! *Includes 4 screws for quick assembly



APRON DUFFLE BAG

MODEL: [AS-DUFFLE]

CAPACITY: UP TO 2 APRONS

Our duffle bag protects your aprons while traveling between facilities or out of the country. Protect and store your aprons for transport now with our affordable, high quality duffle bag. Features: 10" Velcro Opening, Carrying Handle & Shoulder Strap. For all color options, refer to pages 58-61.



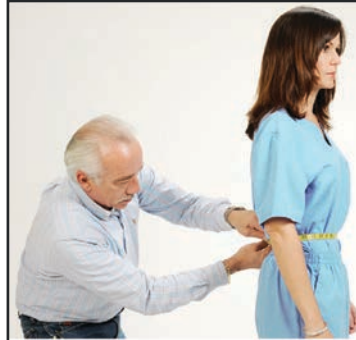
APRON MEASUREMENTS & SIZING

CHEST MEASUREMENT



Measure around the largest circumference of the bust area, keeping the tape parallel to the floor with the client's arms at their sides.

WAIST MEASUREMENT



Measure around the smallest circumference of the torso. If you measure at waist level it may be inaccurate.

HIP MEASUREMENT



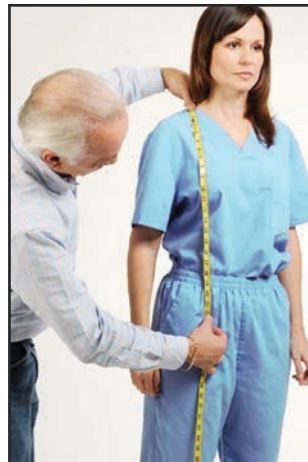
Measure around the largest circumference of the hips and buttocks with the tape parallel to the floor: generally 8-9 inches down from the waist.

FRONT APRON LENGTH MEASUREMENT



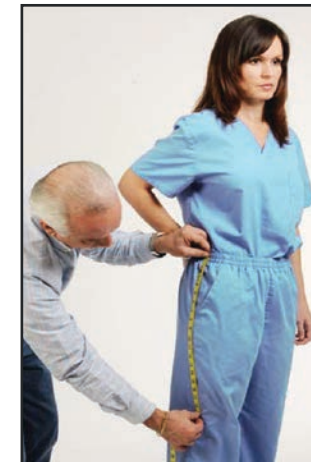
Measure from the top of the shoulder over the bust to the desired length. Do not contour the tape measure in under the bust.

VEST LENGTH MEASUREMENT



Measure from the top of the shoulder over the bust to the desired length. Do not contour the tape measure under the bust.

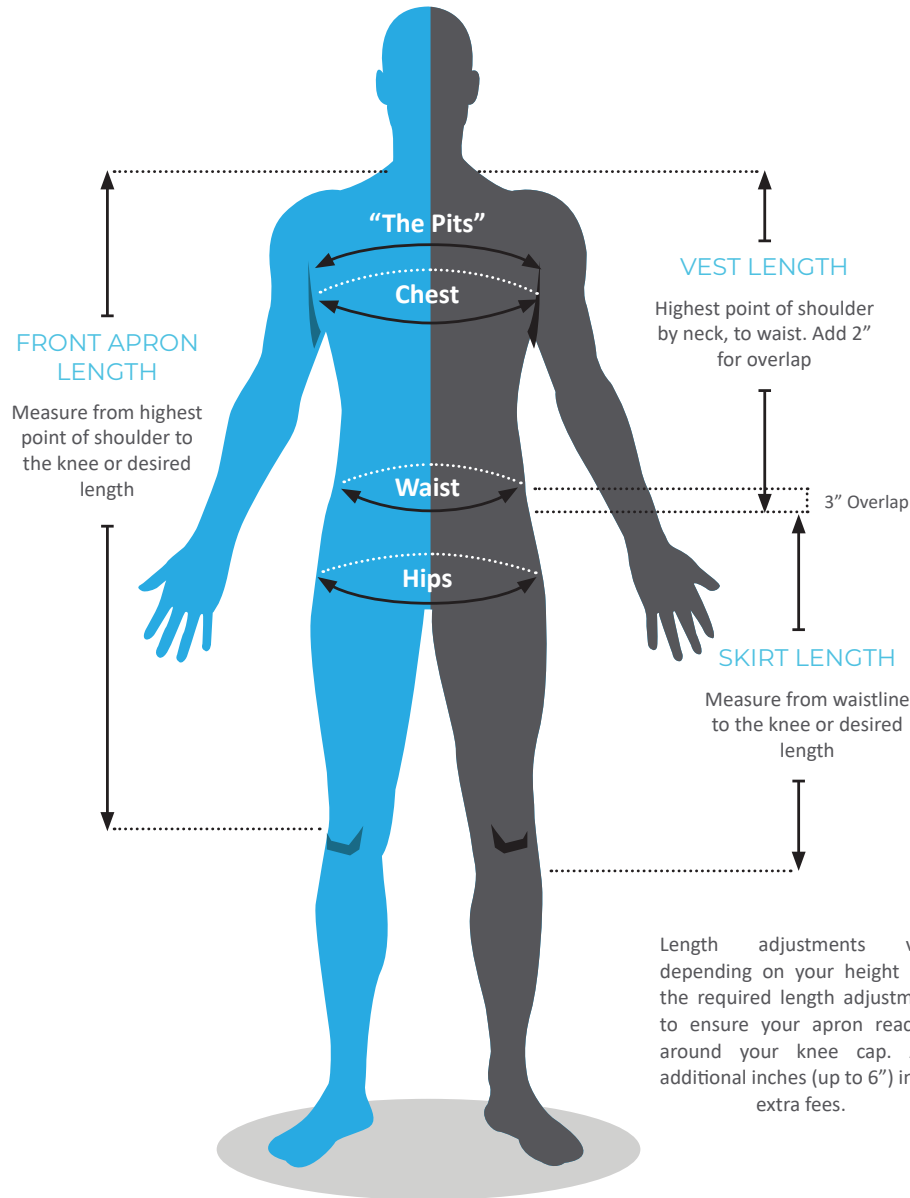
SKIRT LENGTH MEASUREMENT



Measure from the top of the pant line (waist) and over the outside of the hip down to the desired length.

ALL FRONTAL & WRAP APRONS

TWO-PIECE VEST & SKIRT APRONS



KIDS* WOMEN MEN

	XS	Small	Med	Large	XL	2X	3X
Height	5'2"	5'4"	5'8"	5'11"	6'2"+		
Chest	39"	42"	45"	48"	53"	57"	60"
Waist	32	34	38	42	46	50	54
Hips	34	36	40	44	48	52	56
Front Length	34	34	37	40.5	42.5	42.5	45.5
Front Width	19	21	22	24	26	28	30
Vest Length	22	22	24	25	25	25	28
Skirt Length	20	20	20	21	21	22	22
WABR Length	36	36	38	40.5	42.5	42.5	45.5

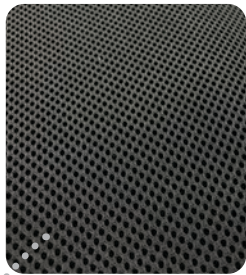
	XS	Small	Med	Large	XL	2X	3X
Height	5'1"	5'2"	5'5"	5'8"	5'10"	5'11"	
Chest	36"	38"	40"	43"	46"	49"	52"
Waist	25	27	29	32	35	40	44
Hips	35	37	39	42	46	48	52
Front Length	33	34	36	38.5	40.5	42.5	42.5
Front Width	18	19	20	21	23	24	26
Vest Length	19	22	22	22	22	23	23
Skirt Length	20	20	22	22.5	22.5	22.5	24
WABR Length	33	34	37	40.5	42.5	42.5	44.5

	Small	Medium	Large
Dimensions	12 x 24"	14 x 26"	16 x 28"
Ages	Ages 1-3	Ages 4-6	Ages 7-10

*Velcro Adjustable & Tie Aprons

FABRIC COLORS

COOLGUARD PERFORMANCE FABRICS*



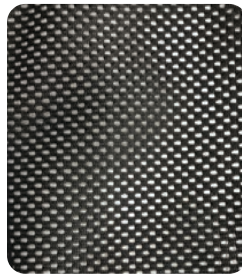
Coolguard Air
#900

Enables natural air ventilation with air-flow technology. Interior only. (Shown on thyroid collar interior)



Coolguard Spandex
#915

Sweat wicking, breathable microfiber with quick dry technology.



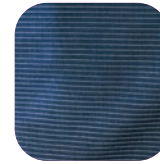
Coolguard Mesh
#910

Increases air flow on back closure of apron. For frontal apron back closures only.



Anti-slip fabric
#950

A high-quality, textured fabric placed on the inside of your apron to prevent slippage.



Navy Pinstripe
#930

Anti-bacterial, anti-microbial, and anti-odor. Our lightest-weight fabric!



Indigo
#925

A soft, PVC nylon that is fluid-proof, stain resistant, bacteria & fungus resistant. Our lightest-weight fabric!



"Black Silk"
#920

Ultra-soft & breathable polyester that is fluid proof & stain resistant.

*Upcharge applies

SATINGUARD ANTI-MICROBIALS*

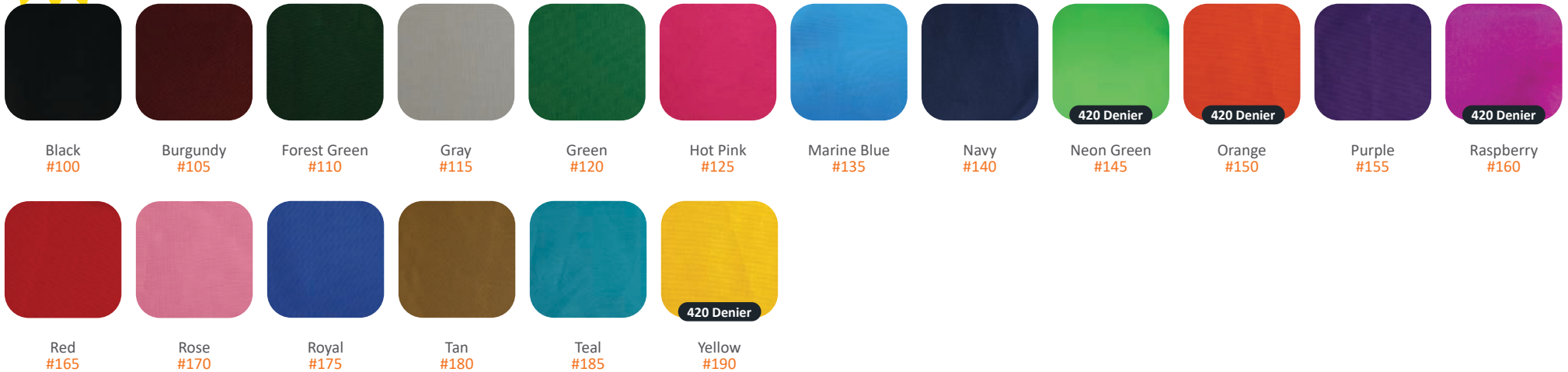


Featuring stain resistant and anti-microbial technology only available from Protech Medical. Our poly material will resist a wide variety of bacteria for several years.



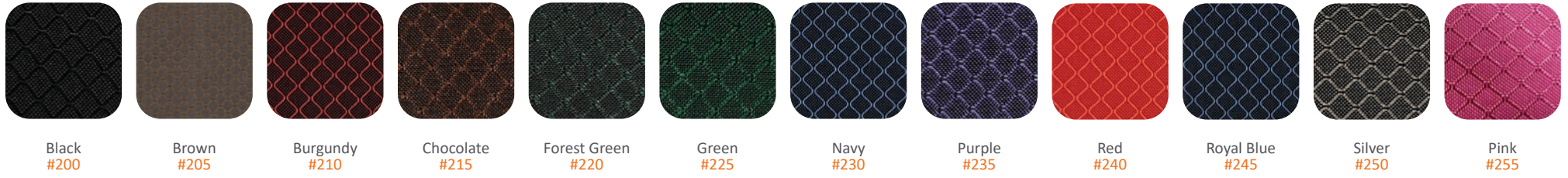
NYLON AND BINDING

Nylons are used for binding. When choosing a binding color for your apron, refer to the nylon swatches below. Unless specified otherwise, nylons come standard 210 denier.



*Upcharge applies

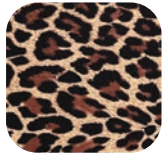
RIPSTOP



PRINTS



PRINTS



Leopard Print #560



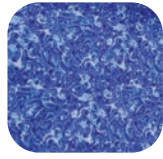
Lu Lu Grape #565



Mamba - Blue #575



Mamba - Pink #580



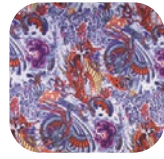
Marble Splash #585



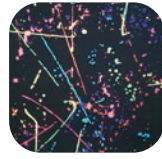
Mardi Gras #590



Mystery - Multi #595



Painted Dragon #600



Paint Splash #605



Paw Prints #610



Plaid - Blue #615



Plaid - Green #620



Plaid - Light Pink #625



Plaid - Purple #630



Plaid - Tan #635



Plaid - Teal #640



Purple Neon Tie-Dye #645



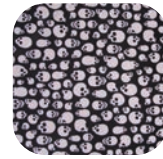
Rainbow #650



Red Dalmation #655



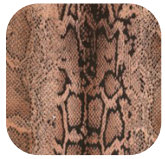
Sheep #665



Skulls - Gray #670



Skulls - Red #675



Snake Skin #680



Star Gazer #685



Stars #690



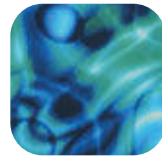
Steel #695



Sunrise #700



Surf Wax #705



Teal Splash #710



Tiger #715



Zebra #720

WIPE-AWAY VINYLS*



Black #300



Silver #320



Burgundy Starlight #305

*Upcharge applies