

LEAD APRONS



[PHILLIPS-SAFETY.COM](https://phillips-safety.com)



ABOUT US



Phillips Safety is a recognized leader in radiation protection, designing and manufacturing high-quality radiation safety products and specialized PPE. Family-owned and operated for over 100 years, we are known for precision manufacturing, technical expertise, and an unwavering commitment to protecting professionals working in high-risk environments.

Our leadership in radiation safety began with protective eyewear and has expanded to a comprehensive portfolio of radiation apparel, barriers, shielding drapes, and custom solutions used in medical, industrial, research, and veterinary settings. Today, Phillips Safety products are trusted in fluoroscopy suites, cath labs, operating rooms, radiology departments, and interventional environments worldwide.

At the core of our radiation apparel is Axion Core™ technology—advanced lead-free and low-lead composite materials engineered to provide dependable radiation attenuation with reduced weight and improved comfort. Available in Axion Core 1000, 2000, and 3000, these core options are designed to balance protection, durability, and ergonomics to meet the needs of a wide range of users.

All Phillips Safety products are manufactured to meet applicable safety and regulatory standards, including Regulation (EU) 2016/425, and are tested in accordance with EN 61331 standards. Through vertical integration and in-house expertise, Phillips Safety continues to deliver reliable, innovative radiation protection solutions professionals can trust.

PHILLIPS SAFETY LEAD APRONS

CONTENT

01. Phillips Safety Lead Aprons

Learn about our core materials, Axion Core™ technology, QuickShip options, and more.

02. Lead Apron Styles

Explore our apron styles, sizing options, and measurement guidance.

03. Fabric Materials, Colors & Swatches

Discover available fabrics, colors, patterns, and customization options.



OUR LEAD APRONS

At Phillips Safety, our lead aprons are meticulously crafted in the USA with the wearer's comfort, protection, and style in mind, providing an ideal balance of weight and functionality.

Our aprons use top-quality barrier material that excels in both hygiene and comfort, making it the best choice on the market. This advanced barrier provides additional protection, as the inner and outer materials prevent pathogens, liquids, and solid particles from reaching the body.

While our QuickShip aprons ship within 24 hours, custom aprons are available and typically ship in 2-5 business days. Custom aprons can be tailored to your exact measurements and preferences, providing an ideal fit and optimal protection.

QuickShip Aprons and Garments

Phillips Safety offers a line of QuickShip aprons and garments. These products come in 0.5mm Pb Lead Equivalency in our Lightweight Lead and Axion Core™ 2000 cores. Standard colors in both Nylon and Ripstop fabrics allow for a shipping time within 24 hours.

PHILLIPS SAFETY LEAD APRONS

Axion Core Lead-Free Radiation Aprons and Garments

Phillips Safety introduces Axion Core™, our next-generation line of lead-free radiation aprons and garments.

By leveraging new advancements in manufacturing technology, Axion Core delivers the lightest weight core on the market today—without compromising shielding performance or safety. We have developed three distinct core options—Axion Core 1000, 2000, and 3000—each engineered with a unique blend of bismuth, antimony, and rare earth elements.

These innovative lead-free solutions vary in weight to meet different user needs but never sacrifice protection, giving medical professionals the perfect balance of comfort, durability, and performance while ensuring the highest safety standards in radiation shielding.

Axion Core™ 1000

The most economical lead-free core in our lineup, Axion Core 1000 is also the heaviest of our non-lead options. Designed for facilities prioritizing cost-efficiency without sacrificing safety, it offers reliable protection at a value price point. At roughly 5% lighter than traditional lightweight lead cores on the market, it delivers measurable weight reduction while maintaining full compliance with radiation shielding standards.

Axion Core™ 2000

Our most popular core, Axion Core 2000 delivers a significant weight reduction compared to both traditional lead aprons and the Axion Core 1000. Offering the ideal balance of performance and value, this core is price-effective while providing the comfort needed for those who wear aprons for extended periods of time.

Axion Core™ 3000

The lightest core in our lineup, Axion Core 3000 represents a true engineering achievement. At 15-20% lighter than Axion Core 2000, this is one of the lightest lead-free cores on the market today, if not the lightest. This material allows us to deliver the lightest apron available in the Phillips Safety line, giving medical professionals the most comfort during long procedures. For those seeking the perfect combination of lightweight design and long-term durability, Axion Core 3000 is simply unmatched.

Lightweight Lead

Our Lightweight Lead Core is a specially formulated material engineered to reduce weight compared to standard, traditional lead cores—making it easier and more comfortable to wear without sacrificing dependable protection. While it's not as light as our Axion Core lead-free options, this formulation provides an excellent balance of affordability, performance, and reliability. A great price point and proven shielding performance make it a trusted choice for facilities seeking consistent protection with a lighter feel than conventional lead aprons.

LEAD APRON STYLE FAST LIST



Flexiback Frontal with Velcro Closure

Flexible back with adjustable Velcro closure



Flexiback Frontal with Buckle Closure

Flexible back with secure buckle closure



Flexiback Frontal with Back Support

Flexible back with lumbar support



Tie Front

Cross-back straps with adjustable tie closure



Surgical Drop Frontal

Open-back design with cross-back straps



Jacket One Piece

Full front-and-back protection with back support



Reverse Flex Jacket One Piece

Full-coverage reverse jacket design



Vest and Skirt

Two-piece front-and-back protection



Reverse Vest and Skirt

Full-overlap two-piece protection



Core Overlap Vest and Skirt

Overlap design for balanced weight distribution



Core Overlap Vest and Skirt with Back Support

Overlap design with lumbar support



Maternity Reverse Jacket One Piece

Expandable full-coverage maternity design



Pregnancy Maternity Panel

Adjustable protection for the abdomen



LapGuard

Adjustable abdomen and pelvic protection

FLEXIBACK / VELCRO CLOSURE

RA-FFA



The Flexiback Frontal with Velcro Closure Apron effectively reduces radiation exposure. Designed to cover the front of the body from the shoulders to the thighs, it offers excellent anterior torso protection. The flexible back design and straps prevent slipping during procedures. For enhanced comfort and security, the apron includes a Velcro closure at the shoulders and on both sides of the waist. This ensures a snug fit by adhering to the front of the body. Additionally, the apron has a patch pocket on the front and shoulder pads to maximize wearer comfort.

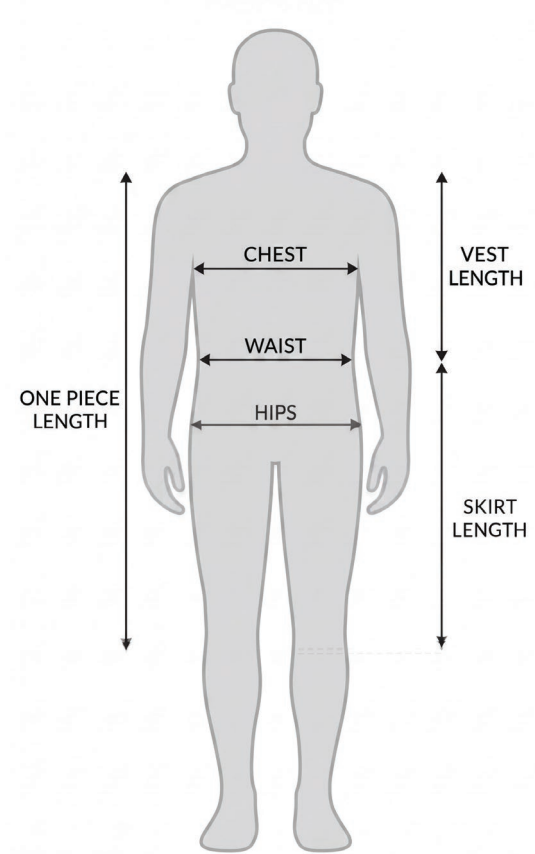
The Flexiback Frontal with Velcro Closure is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with a variety of color options and bindings. This apron is offered in seven sizes, ranging from XS to 3XL, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL	LEAD EQUIVALENCY	OUTER FABRIC
Axion Core™ 1000, 2000, 3000, Lightweight Lead	0.35mm Pb 0.50mm Pb	Nylon, Ripstop, Polytron, PVC EasyClean

FLEXIBACK / VELCRO CLOSURE

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

UNISEX

SIZE	Chest Size	Length
XS	32"-34"	30"
Small	34"-36"	32"
Medium	36"-38"	34"
Large	38"-40"	36"
XL	40"-43"	38"
2XL	43"-46"	40"
3XL	46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

FLEXIBACK / BUCKLE CLOSURE

RA-FFAB



The Flexiback Frontal with Buckle Closure Apron effectively reduces radiation exposure. Designed to cover the front of the body from the shoulders to the thighs, the Flexiback Frontal offers excellent anterior torso protection. This lead apron features a flexible back design with straps to prevent slipping during procedures. Plus, it includes a back strap shoulder Velcro closure and a buckle closure around the waist, ensuring a snug fit. The Flexiback Frontal lead apron also has a patch pocket on the front and shoulder pads for maximum comfort.

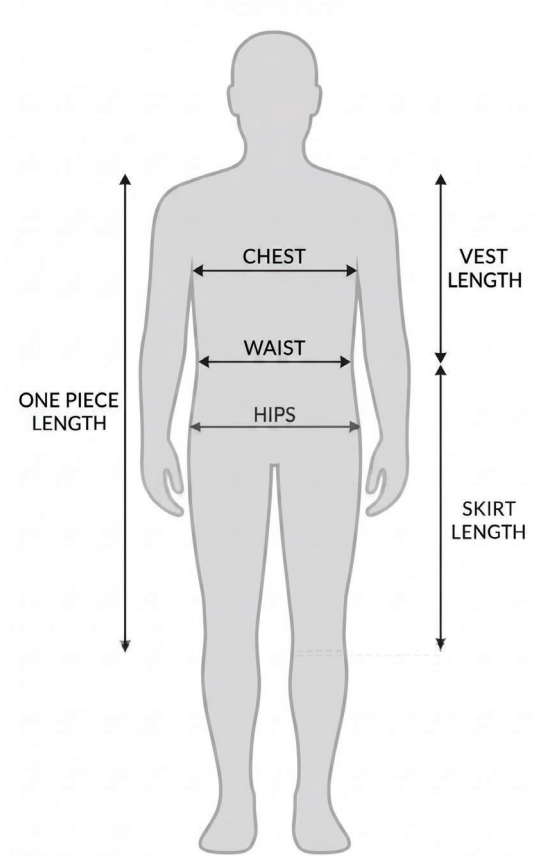
The Flexiback Frontal with Buckle Closure is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with color options in a variety of colors and bindings. This apron is offered in seven sizes, ranging from XS to 3XL, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

FLEXIBACK / BUCKLE CLOSURE

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

UNISEX

SIZE	Chest Size	Length
XS	32"-34"	30"
Small	34"-36"	32"
Medium	36"-38"	34"
Large	38"-40"	36"
XL	40"-43"	38"
2XL	43"-46"	40"
3XL	46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

FLEXIBACK / BACK SUPPORT

RA-FFA-BACK



Say goodbye to procedural fatigue with the Phillips Safety Flexiback Frontal Apron with Back Support. Engineered for those who demand both high-level protection and ergonomic relief, the Flexiback system features an integrated back support belt designed to keep you comfortable from your first patient to your last.

Why Professionals Choose the Flexiback

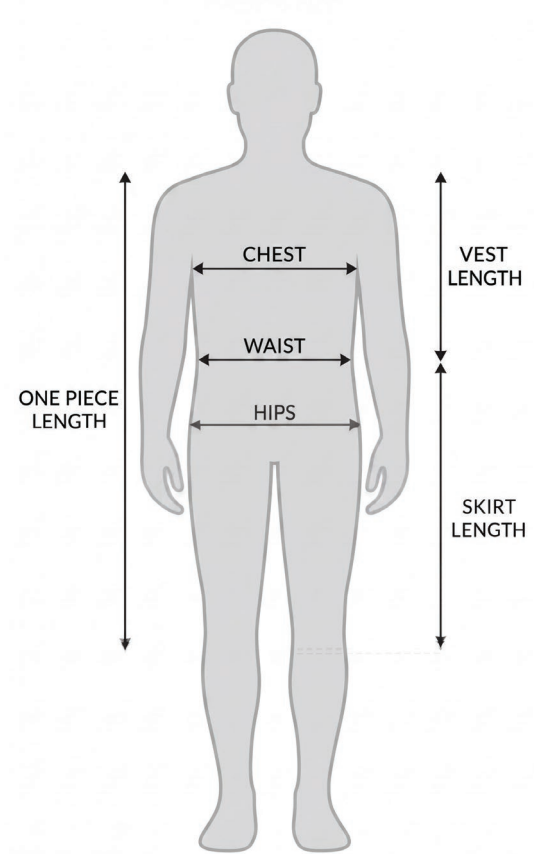
- 1. Dynamic Lumbar Support: The integrated back support belt is constructed with a bonded, elasticized panel that maintains its tension over time. It provides firm, consistent pressure to the lower back, encouraging better posture.
- 2. Gravity-Defying Weight Transfer: By engaging the specialized wide elastic belt, the apron's weight is shifted off your shoulders and redistributed to your hips. This significantly reduces the strain on your neck and upper spine.
- 3. No-Slip Design: A built-in Velcro backstrap secures the apron across the shoulder blades, ensuring it stays perfectly in place without sliding or requiring constant adjustment.
- 4. Premium Comfort Details:
- 5. High-Density Foam Padding: Softens the load on your shoulders for extended wear.
- 6. Integrated Front Pocket: Keeps your markers or essentials within easy reach.
- 7. Durable Elastic: The belt system is "stretch-resistant," meaning it won't lose its shape or support throughout the life of the apron.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

FLEXIBACK / BACK SUPPORT

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

UNISEX

SIZE	Chest Size	Length
XS	32"-34"	30"
Small	34"-36"	32"
Medium	36"-38"	34"
Large	38"-40"	36"
XL	40"-43"	38"
2XL	43"-46"	40"
3XL	46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

TIE FRONT

RA-TF



The Tie Front Apron effectively reduces radiation exposure. Designed to cover the front part of the body, from the shoulders to the thighs, the Tie Front offers excellent anterior torso protection. This lead apron features a tie style strap closure, with tie straps attached to each side of the scapula. These tie straps are crisscross and are designed to fasten the apron to the body while maximizing adjustability, by crossing them around the back and tying them together at the front waist. Plus, this lightweight lead apron features a patch pocket on the front and shoulder pads to ensure maximum comfort.

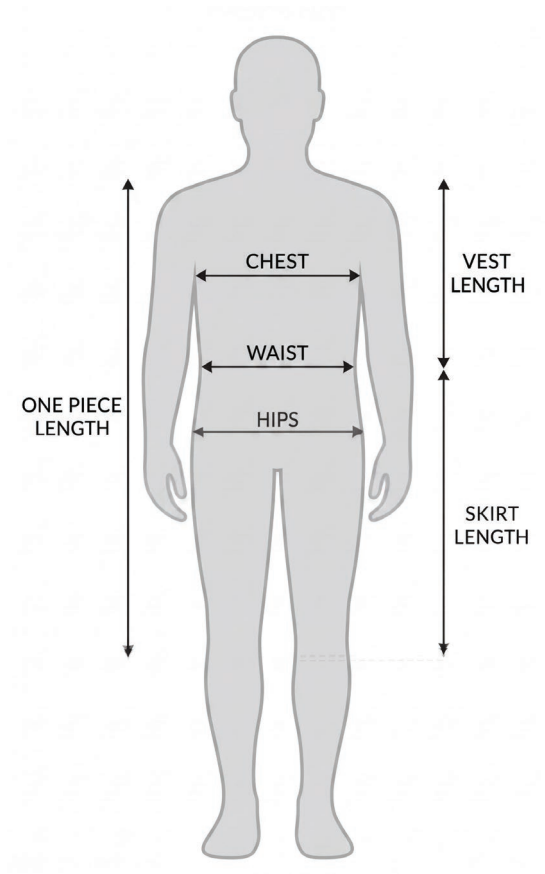
The Tie Front is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with color options in a variety of colors and bindings. This apron is offered in seven sizes, ranging from XS to 3XL, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

TIE FRONT

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

UNISEX

SIZE	Chest Size	Length
XS	32"-34"	30"
Small	34"-36"	32"
Medium	36"-38"	34"
Large	38"-40"	36"
XL	40"-43"	38"
2XL	43"-46"	40"
3XL	46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

SURGICAL DROP

RA-SDF



The Surgical Drop Frontal Apron is a highly effective and comfortable option for reducing radiation exposure. This apron covers the front of the body from shoulders to thighs, leaving the back open. It features a convenient patch pocket on the front and shoulder pads for added comfort. The cross-shaped back straps prevent slippage during procedures, while Velcro on both sides of the waist ensures a secure fit.

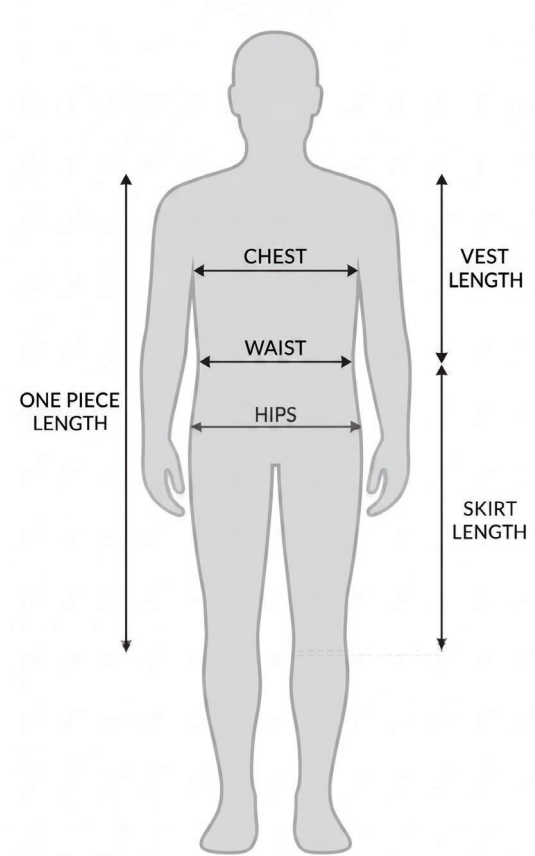
The Surgical Drop is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with color options in a variety of colors and bindings. This apron is offered in seven sizes, ranging from XS to 3XL, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

SURGICAL DROP

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

UNISEX

SIZE	Chest Size	Length
XS	32"-34"	30"
Small	34"-36"	32"
Medium	36"-38"	34"
Large	38"-40"	36"
XL	40"-43"	38"
2XL	43"-46"	40"
3XL	46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

JACKET ONE-PIECE

RA-J1P



The Jacket One-Piece Apron effectively reduces radiation exposure while providing great comfort. It covers the front and back of the body from the shoulders to the thighs, offering excellent anterior and posterior torso protection. The apron features a Velcro closure on the inside, allowing for adjustability and security. Additionally, it has a patch pocket on the front, shoulder pads, and a supportive back relief belt. This belt wraps around the back and locks in the front with a buckle, transferring weight from the shoulders to the waist to offer back relief.

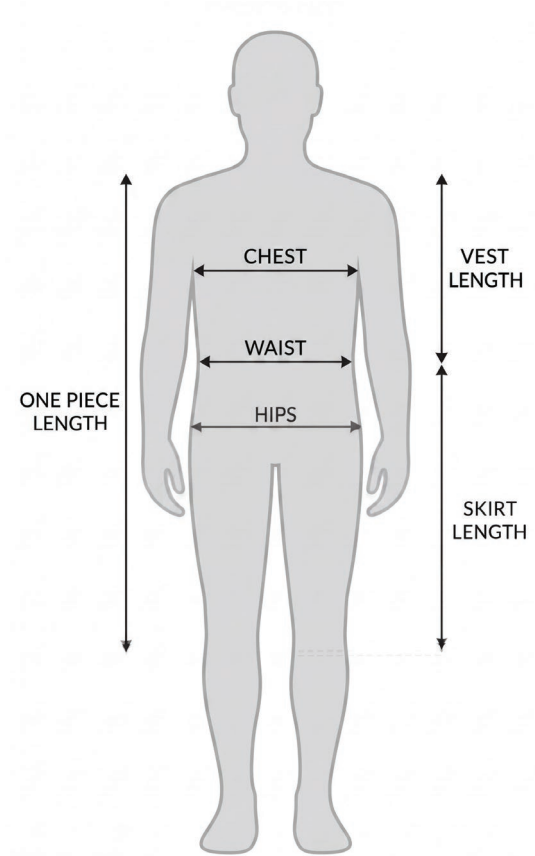
The Jacket One-Piece is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with color options in a variety of colors and bindings. This apron is offered in seven sizes, ranging from XS to 3XL, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

JACKET ONE-PIECE

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

MALE

SIZE	Chest Size	Length
XS	34"-36"	32"
Small	36"-38"	34"
Medium	38"-40"	36"
Large	40"-43"	38"
XL	43"-46"	40"
2XL	46"-50"	42"
3XL	50"-54"	44"

FEMALE

Chest Size	Length
32"-34"	30"
34"-36"	32"
36"-38"	34"
38"-40"	36"
40"-43"	38"
43"-46"	40"
46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

REVERSE FLEX JACKET ONE-PIECE

RA-RJ1P



The Phillips Reverse Flex Jacket offers a streamlined, one-piece design that merges high-level radiation protection with ergonomic relief. By integrating a specialized reverse-flex mechanism, this apron effectively transfers weight from the shoulders to the core, reducing fatigue during long procedures.

Key Features:

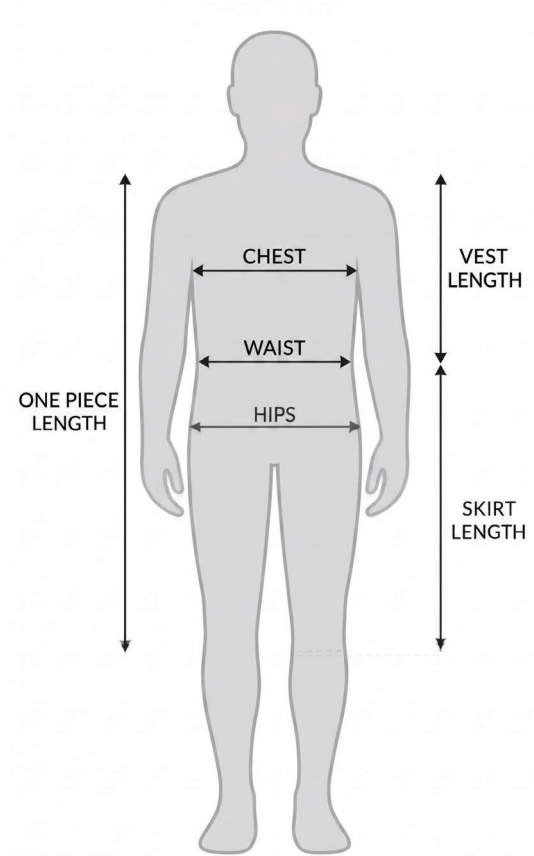
- **Weight Distribution:** The internal flex system shifts the apron’s load to your hips, providing integrated lumbar support and shoulder relief.
- **Streamlined One-Piece Design:** Unlike traditional multi-layered wraps, the one-piece construction eliminates bulky overlap, making it significantly lighter and more breathable.
- **Reverse-Flex Entry:** Designed for effortless wearability, the reverse closure system allows for a secure fit with a quick “easy-on, easy-off” application.
- **Maximum Mobility:** The jacket style is tailored to move with your body, ensuring full-coverage protection without sacrificing your range of motion.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

REVERSE FLEX JACKET ONE-PIECE

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

	MALE		FEMALE	
SIZE	Chest Size	Length	Chest Size	Length
XS	34"-36"	32"	32"-34"	30"
Small	36"-38"	34"	34"-36"	32"
Medium	38"-40"	36"	36"-38"	34"
Large	40"-43"	38"	38"-40"	36"
XL	43"-46"	40"	40"-43"	38"
2XL	46"-50"	42"	43"-46"	40"
3XL	50"-54"	44"	46"-50"	42"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

VEST AND SKIRT

RA-VSA



The Vest and Skirt Apron is a comfortable two-piece apron that reduces radiation exposure effectively. It consists of two separate pieces: a vest and a skirt. The vest covers the front and back of the body, from the shoulders to the waist. The skirt covers the front and back below the waist and above the knees. Together, they provide excellent anterior and posterior torso protection from the shoulders to the thighs. Both the vest and the skirt feature a Velcro closure on the inside, ensuring adjustability and security. The vest also has a patch pocket on the front and shoulder pads for maximum comfort.

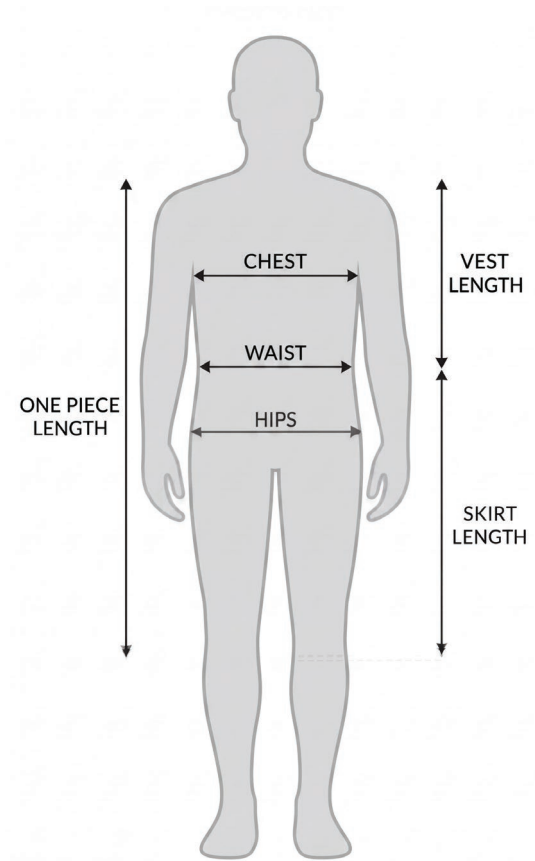
The Vest and Skirt Lead Apron is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with color options in a variety of colors and bindings. This apron is offered in seven sizes, ranging from XS to 2XL, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

VEST AND SKIRT

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

TWO-PIECE APRON

1. VEST

Measure the length from the highest point of your trapezius to 2" below your waist.

2. SKIRT

Measure the length from your waist to the top of your knee.

SIZING CHARTS

	MALE VEST		FEMALE VEST		UNISEX SKIRT		
SIZE	Chest Size	Length	Chest Size	Length	Waist Size	Hip Size	Length
XS	34"-36"	22"	32"-34"	20"	26"-27"	32"-33"	19"
Small	36"-38"	23"	34"-36"	21"	28"-29"	34"-35"	19"
Medium	38"-40"	24"	36"-38"	22"	30"-32"	36"-38"	20"
Large	40"-43"	25"	38"-40"	23"	33"-35"	39"-41"	21"
XL	43"-46"	26"	40"-43"	24"	36"-38"	42"-44"	22"
2XL	46"-50"	27"	43"-46"	25"	39"-41"	45"-47"	22"
3XL	50"-54"	28"	46"-50"	26"	42"-45"	48"-49"	22"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

REVERSE VEST AND SKIRT

RA-RVSA



The Reverse Vest and Skirt Apron is a comfortable two-piece apron used to effectively reduce radiation exposure. This is a popular style for vest and skirt combinations in Cath Labs, OR and Interventional departments. The Reverse Vest and Skirt Full Overlap lead apron comes with two separate pieces: as the name suggests, one is a vest, which covers the front and back of the body, from the shoulders to the waist, and the other is a skirt, covering the front and back below the waist and above the knees. Together, they provide great anterior and posterior torso protection, from the shoulders to the thighs. Velcro closures are located on the left shoulder and around the hips.

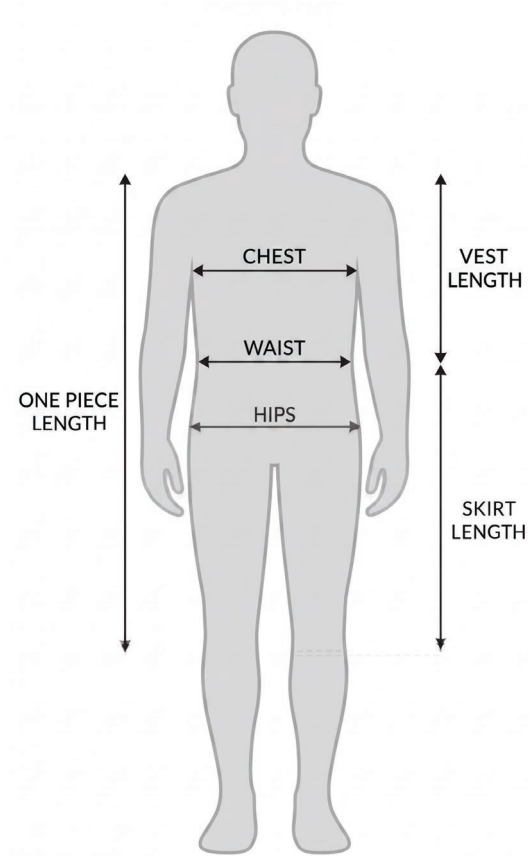
Made for both men and women, the Reverse Vest and Skirt Full Overlap Lead Apron is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000. It is possible to request them with either 0.35mm Pb lead equivalency or 0.50mm Pb lead equivalency. Both core materials pass the universally recognized testing procedure: ASTM F3094-14.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

REVERSE VEST AND SKIRT

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

TWO-PIECE APRON

1. VEST

Measure the length from the highest point of your trapezius to 2" below your waist.

2. SKIRT

Measure the length from your waist to the top of your knee.

SIZING CHARTS

	MALE VEST		FEMALE VEST		UNISEX SKIRT		
SIZE	Chest Size	Length	Chest Size	Length	Waist Size	Hip Size	Length
XS	34"-36"	22"	32"-34"	20"	26"-27"	32"-33"	19"
Small	36"-38"	23"	34"-36"	21"	28"-29"	34"-35"	19"
Medium	38"-40"	24"	36"-38"	22"	30"-32"	36"-38"	20"
Large	40"-43"	25"	38"-40"	23"	33"-35"	39"-41"	21"
XL	43"-46"	26"	40"-43"	24"	36"-38"	42"-44"	22"
2XL	46"-50"	27"	43"-46"	25"	39"-41"	45"-47"	22"
3XL	50"-54"	28"	46"-50"	26"	42"-45"	48"-49"	22"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

CORE OVERLAP VEST AND SKIRT

RA-VSA-CO



The Core Overlap Vest and Skirt Apron is a comfortable two-piece radiation protection apron designed to provide comprehensive coverage while reducing strain and improving comfort during extended procedures. Consisting of a separate vest and skirt, the design provides anterior and posterior torso protection from the shoulders to the thighs and distributes weight more evenly across the body for greater comfort.

Both the vest and skirt feature internal Velcro closures to securely fasten the overlapping front panels, along with adjustable front buckle closures. This combination provides a secure, personalized fit while allowing the vest and skirt to be fastened and adjusted independently.

Designed with a 3/4 overlap front, the apron offers either 0.35 mm Pb or 0.50 mm Pb lead equivalency in the front while doubling protection in the overlap area without adding unnecessary weight. The permanent 0.25 mm Pb back panel provides reliable posterior protection with a lighter overall design. In addition, the skirt features a specialized anti-slip lining to help keep it securely in place throughout the day.

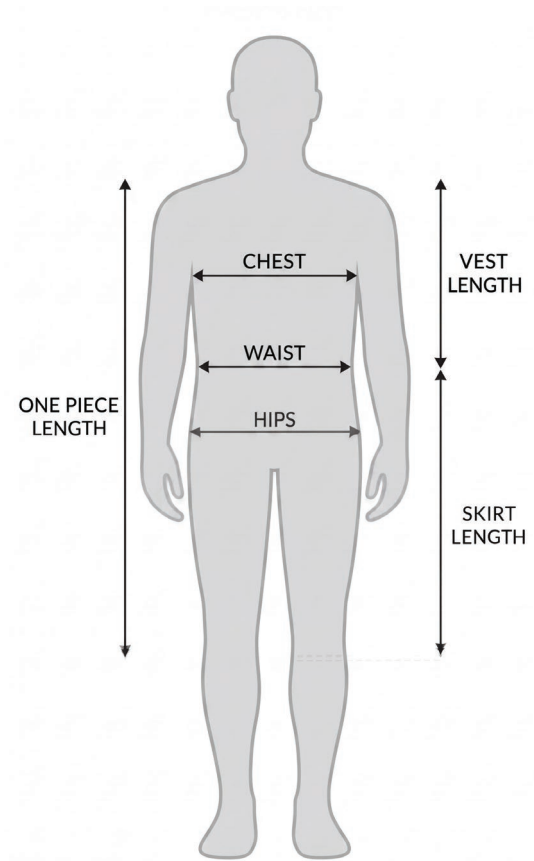
Suitable for both men and women, the Core Overlap Vest and Skirt Apron is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000. Customers can also choose from four outer materials – Nylon, Ripstop, Polytron, or PVC EasyClean – along with a variety of colors and binding options. The apron is available in seven sizes ranging from XS to 2XL and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb, 0.50mm Pb 0.25mm Pb back panel	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

CORE OVERLAP VEST AND SKIRT

HOW TO MEASURE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

TWO-PIECE APRON

1. VEST

Measure the length from the highest point of your trapezius to 2" below your waist.

2. SKIRT

Measure the length from your waist to the top of your knee.

SIZING CHARTS

	MALE VEST		FEMALE VEST		UNISEX SKIRT		
SIZE	Chest Size	Length	Chest Size	Length	Waist Size	Hip Size	Length
XS	34"-36"	22"	32"-34"	20"	26"-27"	32"-33"	19"
Small	36"-38"	23"	34"-36"	21"	28"-29"	34"-35"	19"
Medium	38"-40"	24"	36"-38"	22"	30"-32"	36"-38"	20"
Large	40"-43"	25"	38"-40"	23"	33"-35"	39"-41"	21"
XL	43"-46"	26"	40"-43"	24"	36"-38"	42"-44"	22"
2XL	46"-50"	27"	43"-46"	25"	39"-41"	45"-47"	22"
3XL	50"-54"	28"	46"-50"	26"	42"-45"	48"-49"	22"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

CORE OVERLAP VEST AND SKIRT WITH BACK SUPPORT

RA-VSA-CO-BACK



The Core Overlap Vest and Skirt Apron with Back Support is a comfortable two-piece apron designed to reduce radiation exposure while minimizing fatigue during long procedures. It consists of a vest and a skirt that together provide anterior and posterior torso protection from the shoulders to the thighs.

An integrated, adjustable elastic relief belt transfers up to 70% of the apron's weight from the shoulders to the hips, providing active lumbar support for enhanced all-day comfort. For a secure, adjustable fit, both the vest and skirt feature front buckle closures that allow each piece to be fastened and adjusted independently.

Designed with a 3/4 overlap front, the apron offers either 0.35 mm Pb or 0.50 mm Pb lead equivalency in the front while doubling protection in the overlap area without adding unnecessary weight. The permanent 0.25 mm Pb back panel provides reliable posterior protection with a lighter overall design. In addition, the skirt features a specialized anti-slip lining to help keep it securely in place throughout the day.

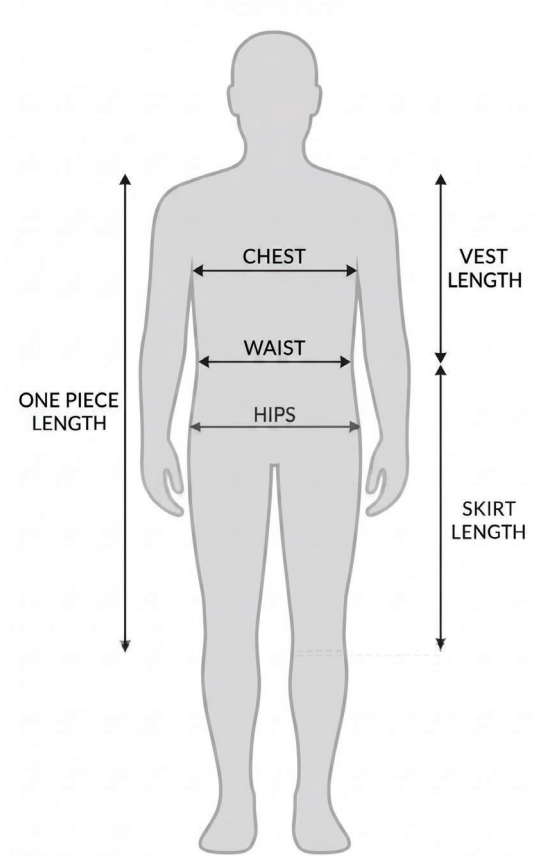
Suitable for both men and women, the Core Overlap Vest and Skirt Apron with Back Support is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000. Customers can also choose from four outer materials – Nylon, Ripstop, Polytron, or PVC EasyClean – along with a variety of colors and binding options. The apron is available in seven sizes ranging from XS to 2XL and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb, 0.50mm Pb 0.25mm Pb back panel	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

CORE OVERLAP VEST AND SKIRT

HOW TO MEASURE WITH BACK SUPPORT



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

TWO-PIECE APRON

1. VEST

Measure the length from the highest point of your trapezius to 2" below your waist.

2. SKIRT

Measure the length from your waist to the top of your knee.

SIZING CHARTS

MALE VEST			FEMALE VEST		UNISEX SKIRT		
SIZE	Chest Size	Length	Chest Size	Length	Waist Size	Hip Size	Length
XS	34"-36"	22"	32"-34"	20"	26"-27"	32"-33"	19"
Small	36"-38"	23"	34"-36"	21"	28"-29"	34"-35"	19"
Medium	38"-40"	24"	36"-38"	22"	30"-32"	36"-38"	20"
Large	40"-43"	25"	38"-40"	23"	33"-35"	39"-41"	21"
XL	43"-46"	26"	40"-43"	24"	36"-38"	42"-44"	22"
2XL	46"-50"	27"	43"-46"	25"	39"-41"	45"-47"	22"
3XL	50"-54"	28"	46"-50"	26"	42"-45"	48"-49"	22"

Please note: Sizes below XS and above 3XL can be accommodated with custom sizing.

MATERNITY REVERSE JACKET ONE PIECE

RA-PRJ1P



The Maternity Reverse Jacket One Piece Apron is designed to provide comfortable radiation protection throughout pregnancy. Its expanding design adjusts to accommodate growth while maintaining a secure and supportive fit. The reverse wrap style offers dependable protection and a snug, comfortable feel during extended wear.

This one-piece apron provides both front and back protection, covering the torso from the shoulders to below the waist. Easy Velcro closures at the shoulder and waist allow for quick adjustments and a customized fit throughout each stage of pregnancy. The jacket also features a front patch pocket and shoulder pads for additional comfort.

This pregnancy lead apron is available in two core materials: Axion Core™ 2000, and Axion Core™ 3000, with either 0.50mm Pb lead equivalency or 0.35mm Pb lead equivalency. Designed for daily clinical use, they help reduce radiation exposure while maintaining flexibility and mobility.

Customers can choose from four outer materials – Nylon, Ripstop, Polytron, or PVC EasyClean – along with a variety of colors and binding options. The apron is available in multiple sizes and complies with the ASTM F3094-14 testing standard.

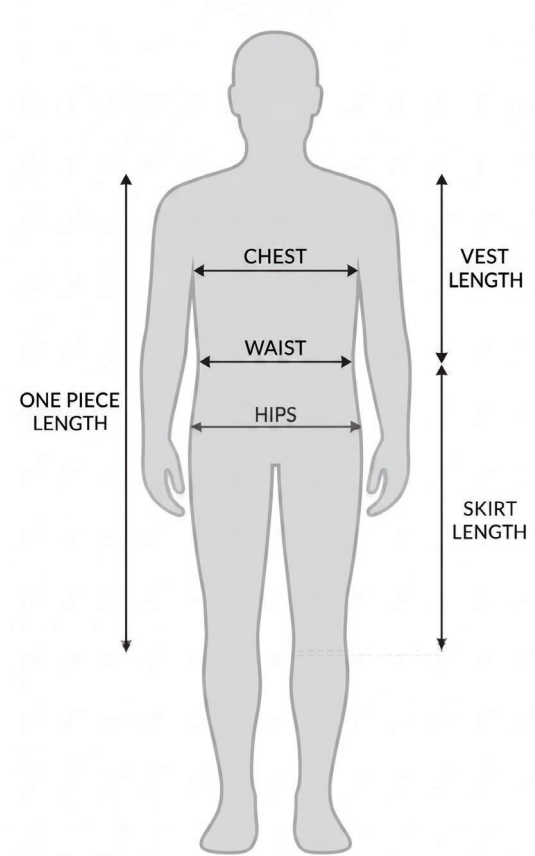
2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.35mm Pb 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

MATERNITY REVERSE JACKET

HOW TO MEASURE

ONE PIECE



GENERAL MEASUREMENTS

1. CHEST

Measure the circumference under your arms around the widest part of your chest.

2. WAIST

Measure the circumference around the narrowest part of your waist.

3. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

Measure the length from the highest point of your trapezius to the top of your knee.

SIZING CHART

FEMALE

SIZE	Chest Size	Length
Small	34"-36"	32"
Medium	36"-38"	34"
Large	38"-40"	36"
XL	40"-43"	38"

Velcro straps have additional 6" to provide for expansion during all stages of pregnancy.

Please note: Sizes below Small and above XL can be accommodated with custom sizing.

PREGNANCY MATERNITY PANEL

RA-MP



The Pregnancy Maternity Panel Apron is a highly effective, adjustable half lead apron designed to significantly reduce radiation exposure. This specialized pregnancy lead apron is a separate maternity panel that covers the belly, ensuring protection for critical areas. The Velcro band allows for easy adjustment around the waist, providing comfort and ample room for expansion during pregnancy.

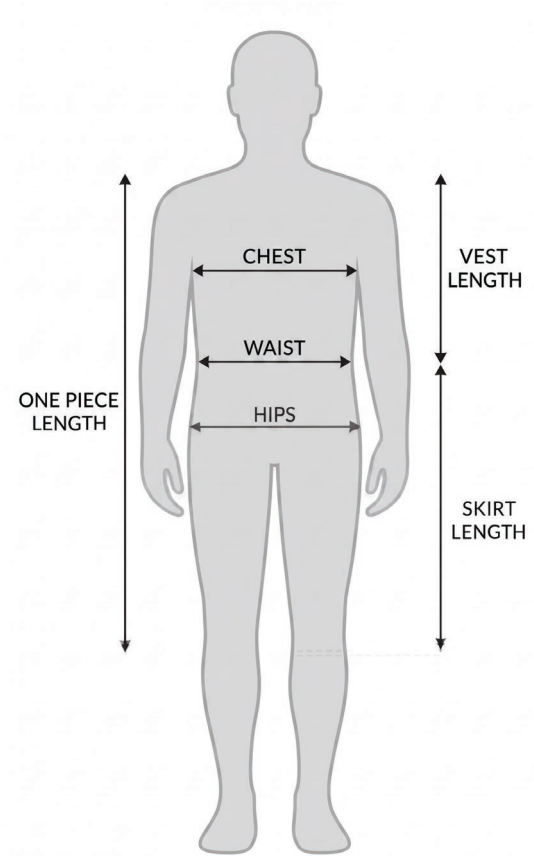
Designed as a one size fits all, the Pregnancy Maternity Panel is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, with color options in a variety of colors and bindings. This apron complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

PREGNANCY MATERNITY PANEL

HOW TO MEASURE



GENERAL MEASUREMENTS

1. WAIST

Measure the circumference around the narrowest part of your waist.

2. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

SKIRT

Measure the length from your waist to the top of your knee.

SIZING CHART

FEMALE

SIZE	Panel Width	Panel Length
Universal	24"	24"

LAPGUARD

RA-LGHA



The LapGuard Apron is an excellent, flexible option for reducing radiation exposure. This apron covers the abdomen and pelvis. Its one-size-fits-all design ensures maximum adjustability and comfort. Plus, the apron is open at the back and features a buckle closure with straps. These straps wrap around and adjust at the waist, securing with a lock at the back.

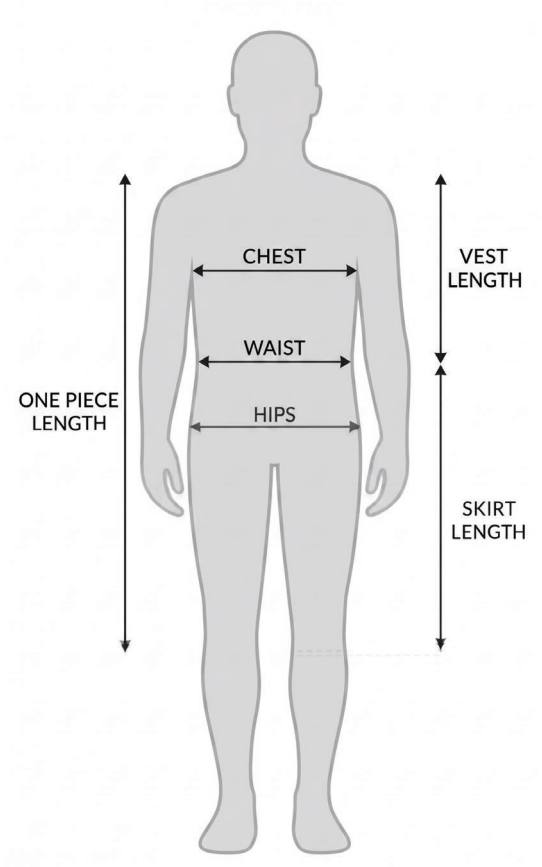
The LapGuard is suitable for both men and women and is available in four core materials: Lightweight Lead, Axion Core™ 1000, Axion Core™ 2000, and Axion Core™ 3000, each providing a 0.50mm Pb lead equivalency. You can choose between four outer materials: Nylon, Ripstop, Polytron, or PVC EasyClean, in a variety of color and binding options. This apron is offered in three sizes, ranging from small to large, and complies with the ASTM F3094-14 testing standard.

2-Year Warranty – Radiation protection apparel is covered against manufacturing defects.

AVAILABLE OPTIONS		
CORE MATERIAL Axion Core™ 1000, 2000, 3000, Lightweight Lead	LEAD EQUIVALENCY 0.50mm Pb	OUTER FABRIC Nylon, Ripstop, Polytron, PVC EasyClean

LAPGUARD

HOW TO MEASURE



GENERAL MEASUREMENTS

1. WAIST

Measure the circumference around the narrowest part of your waist.

2. HIPS

Measure the circumference around the widest part of your hips, keeping your feet close together.

ONE-PIECE APRON

SKIRT

Measure the length from your waist to the top of your knee.

SIZING CHART

UNISEX

SIZE	Panel Width	Panel Length
Small	12"	12"
Medium	16"	18"
Large	20"	24"

Please note: Sizes below Small and above Large can be accommodated with custom sizing.

A large, stylized letter 'P' in a dark teal color serves as a background for the page. The 'P' is composed of thick, rounded strokes. The top curve of the 'P' is at the top left, and the vertical stem extends down towards the bottom left. The circular part of the 'P' is on the right side, with its top curve at the top right and its bottom curve at the bottom right. The text 'FABRIC MATERIALS, COLORS & SWATCHES' is positioned in the upper right quadrant of the page, overlapping the right side of the 'P' logo.

FABRIC MATERIALS, COLORS & SWATCHES

NYLON

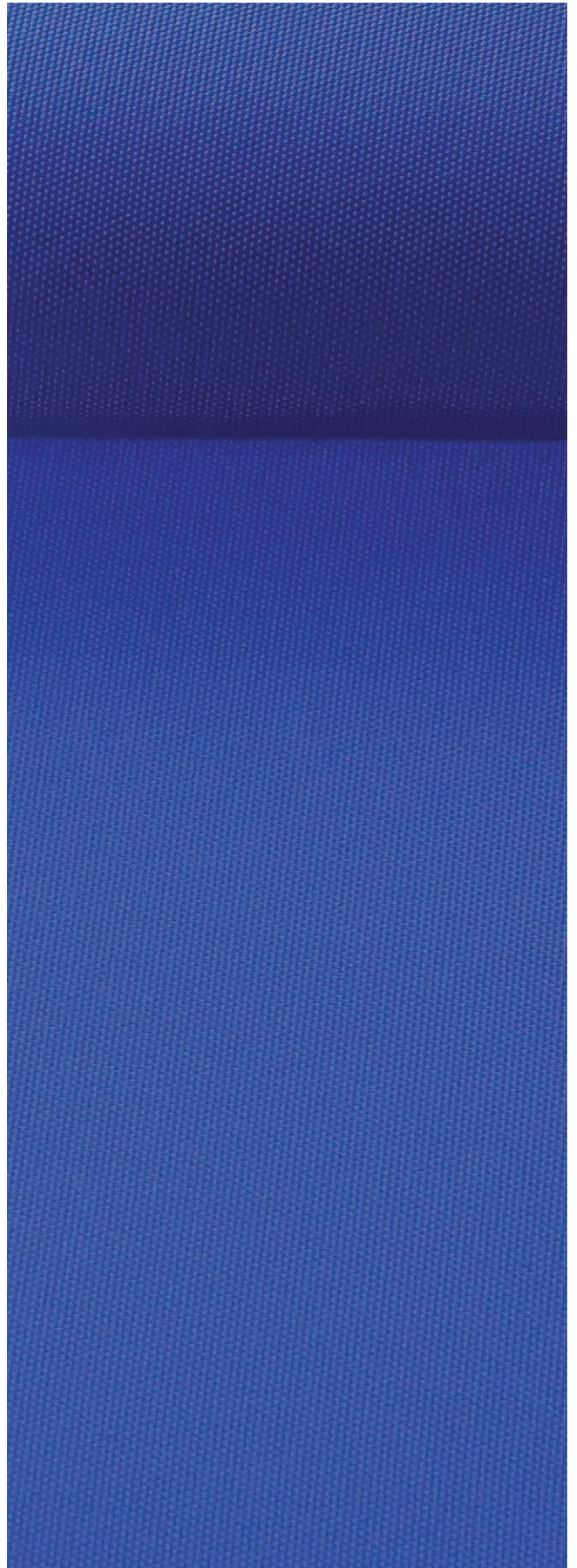
A classic lightweight fabric, Nylon is a synthetic material with high tenacity and excellent abrasion resistance. Nylon is also highly resilient, has good specific strength and provides high resistance to insects, fungi, molds, mildew, rot, and many chemicals.

EXTREMELY RESISTANT

LIGHTWEIGHT

STRONG & DURABLE

MULTIPLE OPTIONS



NYLON

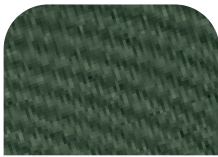
AVAILABLE COLORS & PATTERNS



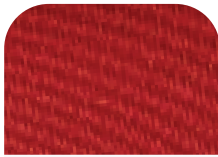
ROYAL BLUE



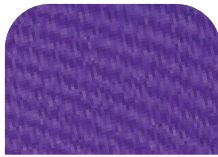
BLACK



HUNTER GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK BROWN



FLUORESCENT
ORANGE



GOLD



NAVY BLUE



TURQUOISE



MEDIUM BLUE



SILVER



KELLY GREEN



TEAL



COLOR FOSSILS



FISH BONES



SHARKS



FLAMINGO



ORANGE HIBISCUS



HAWAIIAN FLOWERS



TROPICAL AVOCADO



PURPLE PLAID

BINDING AVAILABLE



BLACK



ROYAL
BLUE



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
ORANGE



GOLD



NAVY
BLUE



TURQUOISE



MEDIUM
BLUE



SILVER



KELLY
GREEN



TEAL

NYLON

AVAILABLE COLORS & PATTERNS



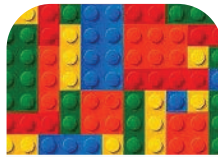
HEART GRAFFITI



PINK PAISLEY



CACTUS



DOT BLOCKS



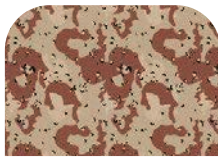
DIGI CAMO
WOODLAND GREEN



NAVY CAMO



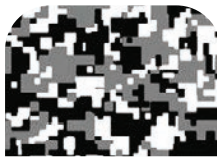
MD CAMO



DESERT CAMO



PINK CAMO



DIGI CAMO
GRAY/BLACK



CHEETAH



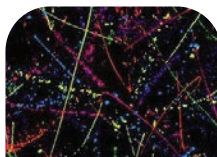
ANIMAL
BLUE PRINT



LEOPARD PINK



WHITE DOTS ON PINK



PAINT SPLATTER



SUGAR SKULLS



SKULLS



OCEAN



SUPERHERO KIDS



DENTAL



CATS



DOGS

BINDING AVAILABLE



RIPSTOP

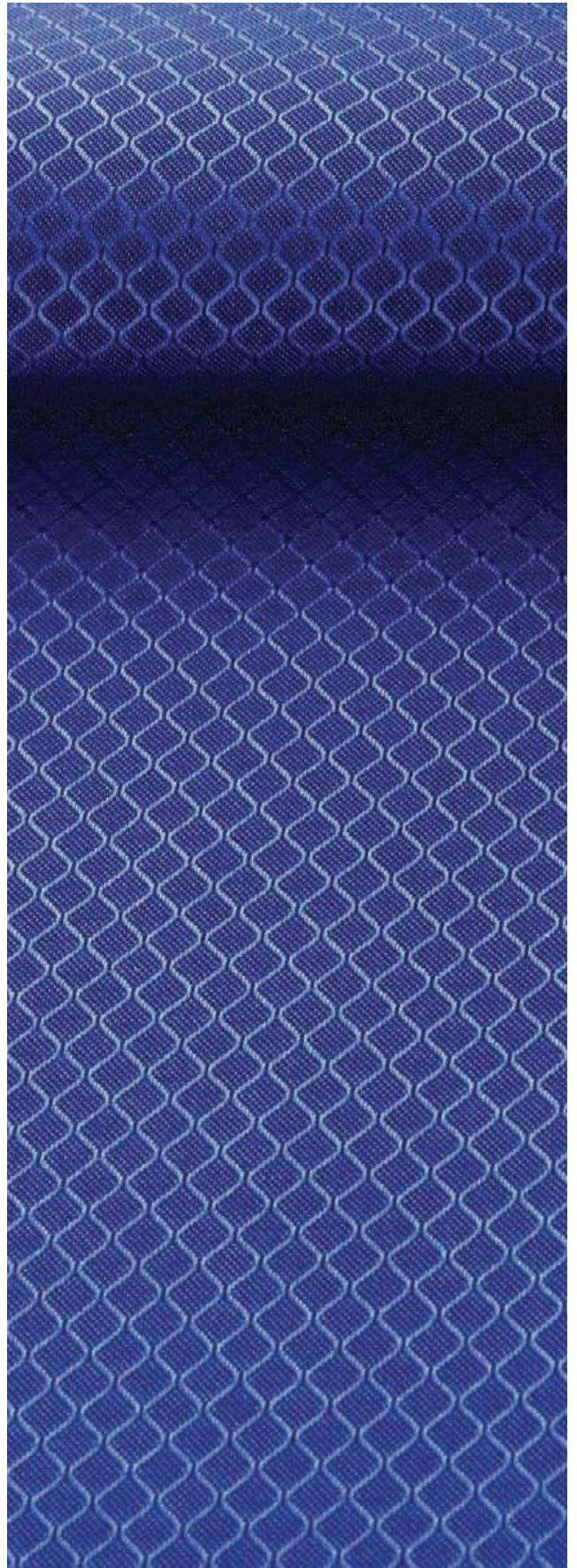
Ripstop is a woven fabric that uses a reinforcing technique which makes it more resistant to tearing and ripping. Often made of Nylon, Ripstop is a lightweight material with interwoven ripstop reinforcement threads in a crosshatch pattern, making it look like diamond stitching.

EXTREMELY RESISTANT

LIGHTWEIGHT

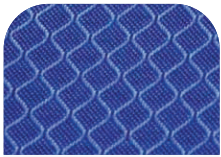
STRONG & DURABLE

DIAMOND STITCHING



RIPSTOP

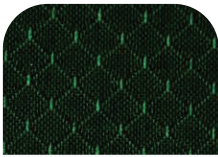
AVAILABLE COLORS & PATTERNS



ROYAL BLUE



BLACK



KELLY GREEN



HUNTER GREEN



RED



CINNAMON



TAN



LIGHT GRAY



PURPLE

BINDING AVAILABLE



BLACK



ROYAL
BLUE



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
ORANGE



GOLD



NAVY
BLUE



TURQUOISE



MEDIUM
BLUE



SILVER



KELLY
GREEN



TEAL

PVC EASYCLEAN

PVC EasyClean is a thick fabric that provides a leather-like touch. Made of an ultra resistant material, it is – as the name suggests – very easy to clean: with a quick wipe it is clean and ready to go.

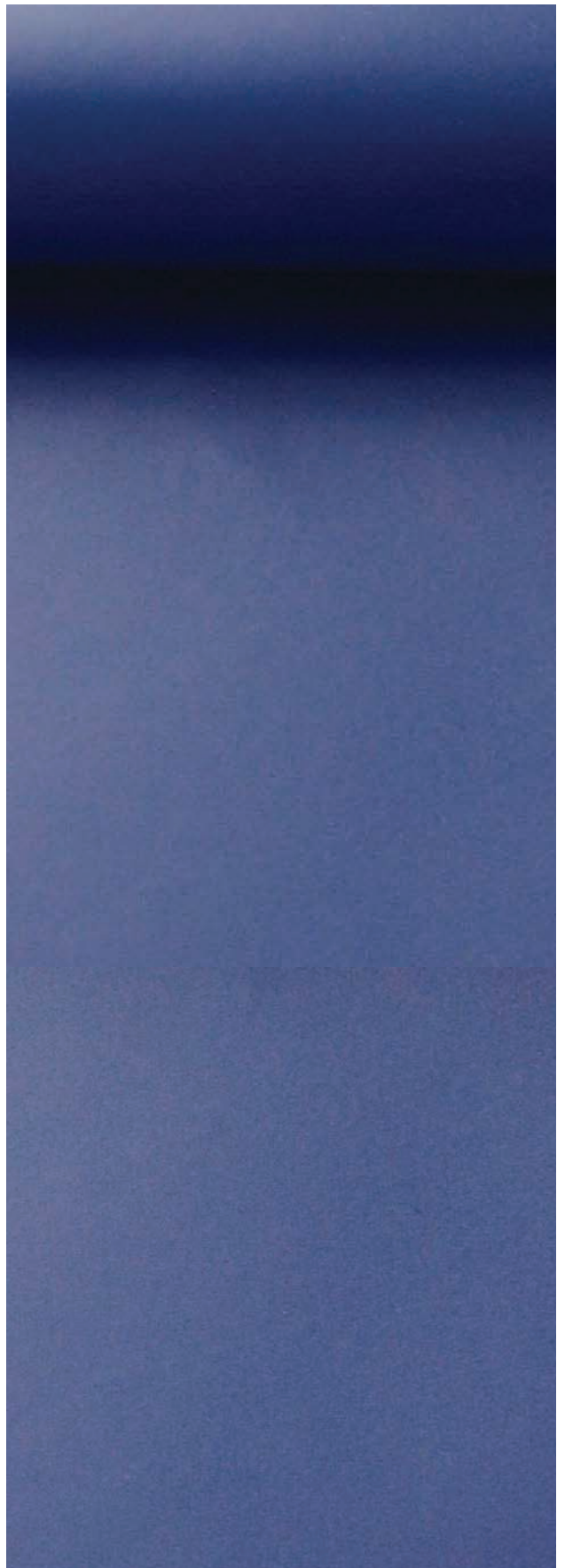
EASY CLEAN

LIGHTWEIGHT

STRONG & DURABLE

EXTREMELY RESISTANT

LEATHER TOUCH



PVC EASYCLEAN

AVAILABLE COLORS & PATTERNS

PVC FABRIC IS BEING PHASED OUT

Color availability is limited
and subject to confirmation



CYAN



PINK



PURPLE



RED



PIRATE



CAMO



PLANETS



LEOPARD

BINDING AVAILABLE



BLACK



ROYAL
BLUE



HUNTER
GREEN



RED



PURPLE



PINK



BURGUNDY



CHARCOAL



DARK
BROWN



FLUORESCENT
ORANGE



GOLD



NAVY
BLUE



TURQUOISE



MEDIUM
BLUE



SILVER



KELLY
GREEN



TEAL

POLYTRON

Polytron is a smooth fabric with a soft touch. Manufactured in the U.S., it has flexible and comfortable qualities due to the Polypropylene it is made of. This lightweight materials is also inherently stain resistant, PFC chemical free, and bleach cleanable.

FLEXIBLE & COMFORTABLE

LIGHTWEIGHT

STRONG & DURABLE

EXTREMELY RESISTANT

SOFT TOUCH

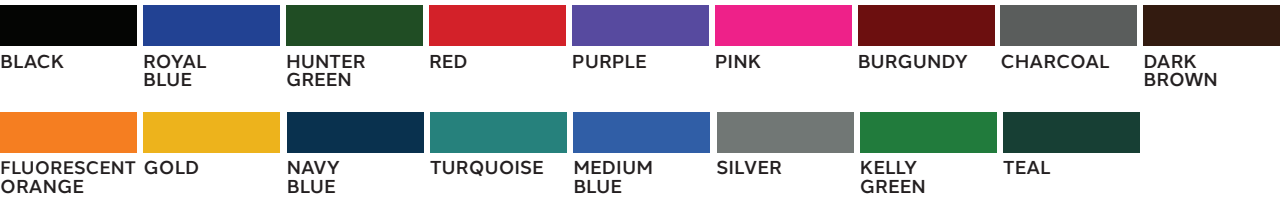


POLYTRON

AVAILABLE COLORS & PATTERNS



BINDING AVAILABLE





EMBROIDERY

If you want a personalized lead apron, at Phillips Safety it is possible to add embroidered logos or text over the patch pocket. You can customize the text as you want it, as long as it features a maximum of 25 characters.

Even better, you can choose from two different fonts: the classic sans-serif typeface Arial, or the script typeface Parkside. In addition, the text can be embroidered in any of the colors below.



FONT: ARIAL



FONT: PARKSIDE

COLORS AVAILABLE



AVAILABLE FOR LEAD APRONS AND THYROID SHIELDS

CONTACT

Should you need any further information,
please do not hesitate to contact us.

123 Lincoln Blvd, Middlesex, NJ 08845, USA 

+1 (866) 575 1307 

service@phillips-safety.com 

www.phillips-safety.com 