



**TZ Medical**  
Sparked by your ideas

# RADIATION PROTECTION

# **APRON**

## PRODUCT CATALOG

**HIGH-QUALITY RADIATION PROTECTION DESIGNED  
TO FIT YOUR NEEDS AND STYLES:**

- **FRONTAL APRONS**
- **VESTS & SKIRTS**
- **THYROID COLLARS**



[www.tzmedical.com](http://www.tzmedical.com)



800.944.0187





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# THE TZ MEDICAL STORY

When TZ Medical founder, Tom Tribou, sat planning his new company in a Portland coffee shop in 1990, he made two bedrock decisions. The first was that TZ Medical would turn the paradigm of medical equipment manufacturing on its head by taking the time to listen to medical professionals on the front lines, and find out what they needed, before huddling with its own engineers. The second decision was that pricing should be at the value level, to ensure that these bright ideas would make their way into the hands of critical-care medical professionals faster.

Over the years these ideas have served the company well. What was once a small collection of critical-care devices has grown into a whole family of medical products, sparked by your ideas. With products sold across the nation and all over the world, TZ Medical has built a solid reputation for itself on the first two decisions laid out in the company's infancy.

Today, the TZ Medical team is recognized as a group that creates products based on input from professionals in some of the finest medical facilities throughout the world. These innovative health professionals have often helped supply the missing piece of a puzzle, revealed the essence of a problem, or posed the perfect "what if" question in order to help solve a dilemma, and facilitate practical solutions.

Between our dedication to listening, and our firm belief in affordable pricing, it's no wonder that TZ Medical has been, and will continue to be, a lasting leader in the medical device manufacturing world.



## OUR MISSION STATEMENT

Our mission is to design, manufacture, and deliver products that meet and exceed the needs and expectations of each customer. We will sustain our vision and mission by constantly seeking renewal via continuous education and learning, and the application of new technologies and best business practices. We will do business as model individuals and corporate citizens in our local and international communities. We will "play to win", acting with absolute honesty, integrity, and fairness in the way we conduct our business and the way we live our lives.



# Service Information

## Customer Service

- **Lead Time:** 12-15 business days  
Large orders of 50 items or more require more time
- **In Stock for Immediate Shipment:** Ship within 24-48 hours depending on quantity
- **Warranty:** 2-year warranty on our core material and workmanship
- **On-Site Production:** From design to finished product, quality and safety are the main focus. On-site production allows us to customize aprons to your exact specifications.

## Rush Service

- **3 Day** - add 25% on total cost of order
- **5 Day** - add 20% on total cost of order
- **Minimum \$20.00 rush fee**

## Protection Info

CORE MATERIAL	VOLTAGE RANGE	PROTECTION - Pb Eq	BENEFITS
NL - Non Lead	100kV	0.5mm	Environmentally friendly 20-25% lighter than RL
NL - Non Lead Light		0.35mm	
<b>Refer to product pages for protections available per model</b>			

# SIZING OPTIONS

## STANDARD SIZING OPTIONS

Stock apron sizes are available in the options listed below. All apron models are available in custom made-to-measure sizing (MTM) as well.

### Frontal Apron Sizing Options

Choose Your Size:

SIZE	FITS CHEST	WIDTH	TQW WRAP
(XS) - X-Small	30"-34" 76.2cm-86.4cm	18" 45.7cm	4" 10.2cm
(S) - Small	34"-38" 86.4cm-96.5cm	20" 50.8cm	4" 10.2cm
(M) - Med	38"-42" 96.5cm-106.7cm	22" 55.9cm	5" 12.7cm
(L) - Large	42"-46" 106.7cm-116.8cm	24" 61cm	5" 12.7cm
(XL) - X-Large	47"-52" 119.4cm-132.1cm	27" 68.6cm	6" 15.2cm
(XXL) - XX-Large	53"-58" 134.6cm-147.3cm	30" 76.2cm	6" 15.2cm

Choose Your Length:

LENGTH	HEIGHT
(XS) - X-Short 30"/76.2cm	4'11"-5'3" 149.9cm-160cm
(S) - Short 32"/81.3cm	5'3"-5'5" 160cm-165.1 cm
(R) - Regular 34"/86.4cm	5'5"-5'8" 165.1 cm-172.7cm
(T) - Tall 36"/91.4cm	5'8"-5'11" 172.7cm-180.3cm
(XT) - X-Tall 38"/96.5cm	5'11"-6'2" 180.3cm-188cm

### Vest & Skirt Sizing Options

Choose Your Size:

FEMALE SIZE	FITS CHEST	WAIST	HIPS	VEST	SKIRT
(SF) - Small	34"-35" 86.4cm-88.9cm	26"-30" 66.04cm-76.2cm	38" 96.5cm	17" 43.2cm	20" 50.8cm
(MF) - Medium	36"-37" 91.4cm-94cm	30"-34" 76.2cm-86.4cm	40" 101.6cm	18" 45.7cm	20" 50.8cm
(LF) - Large	38"-40" 96.5cm-101.6cm	34"-38" 86.4cm-96.5cm	43" 109.2cm	19" 48.3cm	21" 53.3cm
(XLF) - X-Large	41"-44" 104.1cm-111.8cm	38"-42" 96.5cm-106.7cm	47" 119.4cm	20" 50.8cm	21" 53.3cm
(XXLF) - XX-Large	45"-48" 114.3cm-121.9cm	42"-46" 106.7cm-116.8cm	51" 129.5cm	21" 53.3cm	22" 55.9cm

Choose Your Length:

MALE SIZE	FITS CHEST	WAIST	HIPS	VEST	SKIRT
(SM) - Small	35"-38" 88.9cm-96.5cm	28"-32" 71.1cm-81.3cm	40" 101.6cm	18" 45.7cm	21" 53.3cm
(MM) - Medium	39"-42" 99.1cm-106.7cm	32"-36" 81.3cm-91.4cm	44" 111.8cm	19" 48.3cm	22" 55.9cm
(LM) - Large	43"-46" 109.2cm-116.8cm	36"-40" 91.4cm-101.6cm	48" 129.5cm	20" 50.8cm	22" 55.9cm
(XLM) - X-Large	47"-50" 119.4cm-127cm	40"-44" 101.6cm-111.8cm	52" 132.1cm	21" 53.3cm	22" 55.9cm
(XXLM) - XX-Large	51"-54" 129.5cm-137.2cm	44"-48" 111.8cm-121.9cm	56" 142.2cm	22" 55.9cm	23" 58.4cm



# FRONTAL APRONS

## The Flex Back Apron (Model FB)

Features elastic back panels for added comfort and support with hook and loop fastening flaps that wrap around the waist for an adjustable fit. Shoulder pads included.



**Part # FB-NL (non-lead)**

**Part # FB-NLL (non-lead light)**

### Frontal Apron Protection Options

Material Type	Protection
NL - Non-Lead	0.5mm Pb Eq
NLL - Non-Lead Light	0.35mm Pb Eq

# APRON OPTIONS

## VEST & SKIRT

### Vest/Skirt Combo (Model VS)

Proud holders of the original design and patent. Our standard vest features all around protection with overlap in the front, shoulder pads and three panel hook and loop closure.



Part # VS-F-NL (female non-lead)

Part # VS-F-NLL (female non-lead light)

Part # VS-M-NL (male non-lead)

Part # VS-M-NLL (male non-lead light)

### Vest & Skirt (VS) Protection Options

Material Type		Front	Front Overlap	Back
NL - Non-Lead	Vest	0.5mm Pb Eq	1.0mm Pb Eq	0.25mm Pb Eq
	Skirt	0.25mm Pb Eq	0.5mm Pb Eq	0.25mm Pb Eq
NLL - Non-Lead Light	Vest	0.35mm Pb Eq	0.7mm Pb Eq	0.25mm Pb Eq
	Skirt	0.25mm Pb Eq	0.5mm Pb Eq	0.25mm Pb Eq





## Flex Back Vest & Skirt (Model FBVS)

Flex Back Vest features wrap around protection with flex back support and adjustable hook and loop flaps at the waist and shoulder for added comfort and support, especially during long procedures. Shoulder pads included.



**Part # FBVS-F-NL (female non-lead)**

**Part # FBVS-M-NL (male non-lead)**

### Vest & Skirt (FBVS) Protection Options

Material Type		Front	Front Overlap	Back
NL - Non-Lead	Vest	0.5mm Pb Eq	1.0mm Pb Eq	0.25mm Pb Eq
	Skirt	0.25mm Pb Eq	0.5mm Pb Eq	0.25mm Pb Eq

# COLLAR OPTIONS

## THYROID COLLARS

Customize your collar with designer fabrics, embroidery, logos, etc.

### New Style Thyroid Collar (Model 611NS and 311NS)

New Style Thyroid Collar offers a trim yet shielded and comfortable design. Includes binding and rear hook and loop closure.

Model	Protection	Length	Bib
611NSS	0.5mm Pb Eq	22.5"	9" x 3.75" (22.9cm x 9.5cm)
311NSS	0.3mm Pb Eq	22.5"	9" x 3.75" (22.9cm x 9.5cm)
611NSL	0.5mm Pb Eq	25.5"	9" x 5.5" (22.9cm x 14cm)
311NSL	0.3mm Pb Eq	25.5"	9" x 5.5" (22.9cm x 14cm)



### Ultra and Quick Release Thyroid Collar (Model 621U and 631QR)

Our softest and most flexible models offer comfort without the bending.

621U: Hook and loop closure

631QR: 1" QR buckle closure

Model	Model	Length	Bib
621US	631QRS	24" (61cm)	9" x 3.75" (22.9cm x 9.5cm)
621UL	631QRL	26.5" (67.3cm)	9" x 5.5" (22.9cm x 14cm)



### Comfort Fit and BC Awareness Thyroid Collar (Model 641CF and 641BC)

Features flexible protective design, but without the top binding which makes collar more comfortable to wear. Rear hook and loop closure.

Model BC has pink fabric and Breast Cancer logo.

Model	Model	Length	Bib
641CFS	641CFSBC	24" (61cm)	9" x 3.75" (22.9cm x 9.5cm)
641CFL	641CFLBC	25.5" (67.3cm)	9" x 5.5" (22.9cm x 14cm)





# FABRICS & CUSTOMIZATIONS

## TZ ProFlex Aprons (PFX)

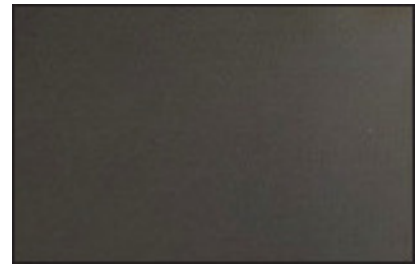
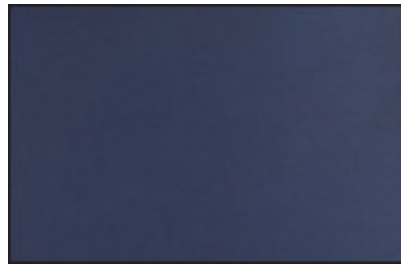
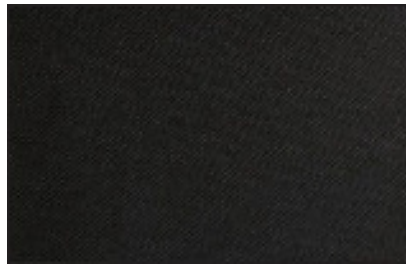
Our new TZ ProFlex Aprons are designed with a flexible, antibacterial, and fluid-proof fabric for enhanced comfort and mobility.



BLACK

NAVY

CHARCOAL



## Designer Fabrics (DF)

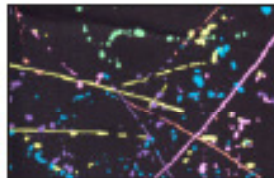
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FLOWER POWER

SPATTER

DENIM

HOT PINK PLAID



BUTTERFLIES

AZTEC SUN

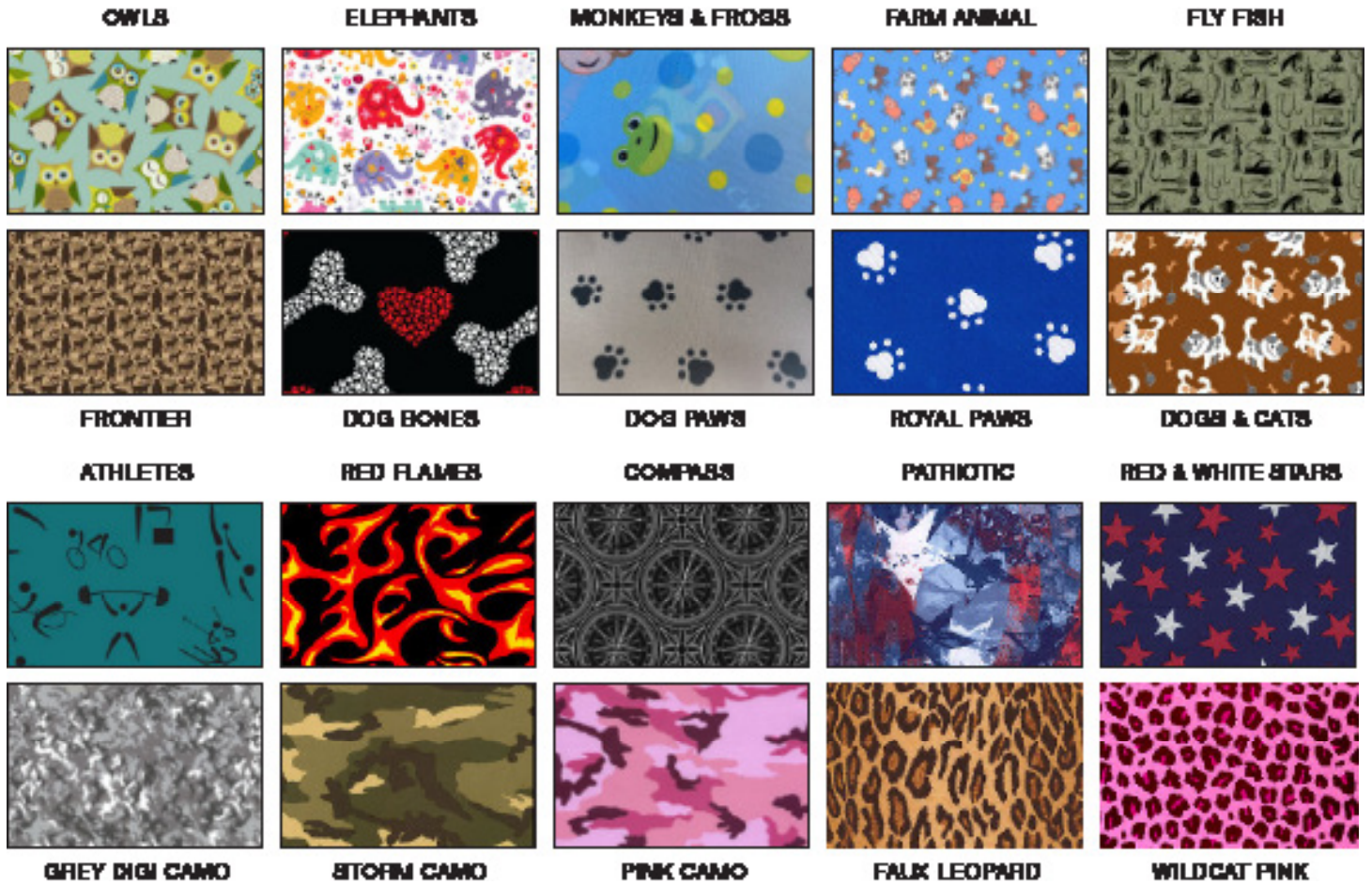
GREY PAISLEY

GREEN PLAID

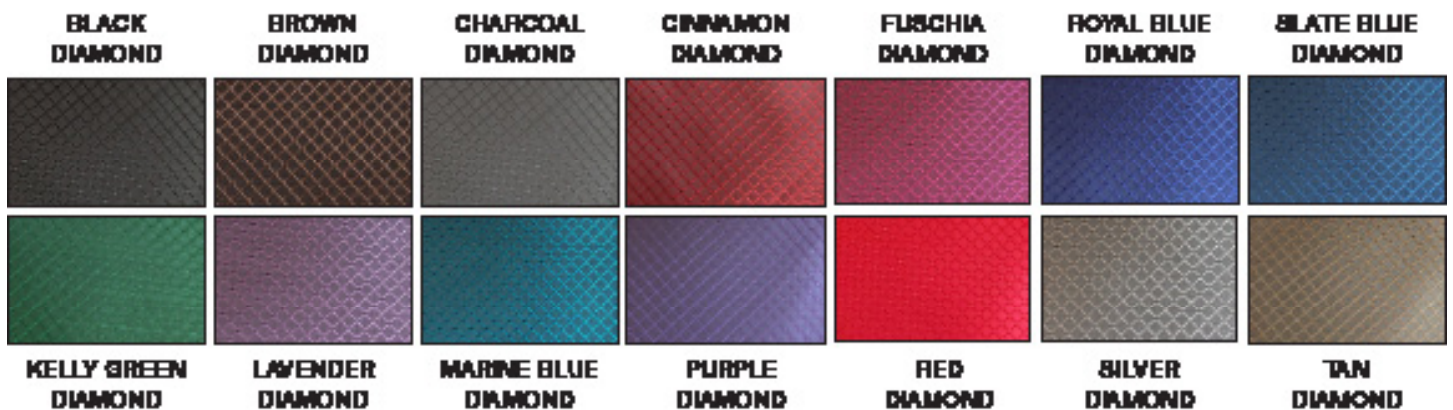
ROYAL PLAID

# FABRICS & CUSTOMIZATIONS

## Designer Fabrics (DF)



## Diamond Ripstop (DRS)





## Nylon (NY)



## Bindings

Black binding is standard on most apparel, unless otherwise indicated from binding selection at time of order. Except for:

- o Royal binding on royal nylon, vinyl and light blue vinyl
- o Grey binding on grey weblon and grey vinyl
- o Beige binding on beige weblon and beige vinyl
- o Green binding on green weblon



# FABRICS & CUSTOMIZATIONS

## Embroidery Options

- **Custom Logos (subject to one time setup fee)**
- **Stock Designs**
- **Personalization**
- **Removable Name Tag**

For additional embroidery designs, go to [dakotacollectibles.com](http://dakotacollectibles.com).

\*Additional charge if over 20,000 stitch count



Removable Name Tag



Patch/Logo

## Additional Options

- **Attached Thyroid Collar**
- **Tethered Thyroid Collar**
- **Tu-Tone Covering (specify inside & outside fabric choice)**
- **Removable Name Tag**
- **Additional QR Quick-Release Buckle (specify 1" or 2")**
- **Built-In Vest Belt**
- **Skirt Suspenders**
- **Pockets**
- **Hanging loops**

## Embroidery Letter Styles

Can't find your style? Call for assistance.

**TZ Medical**

Garamond

*TZ Medical*

Script

**TZ Medical**

Block

**TZ Medical**

Micro Scan

**TZ Medical**

Impress





# Ordering Information

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## Call Us!

(800) 944-0187  
Monday - Friday  
8:00am - 3:30pm PST

## Email Us!

Info@tzmedical.com

## Fax Us!

(503) 639-0239

## Visit Us Online!

www.tzmedical.com

## Manufacturing & Delivery

Stock products ordered with select stock coverings and closures will usually be shipped within 24-48 hours of order receipt. These items include Economy & Standard Aprons, Half & Demi Aprons, Thyroid Collars, Gonad Shields, Gloves, Apron Racks, Mobile Shields, CT Shields, Non Rx Glasses and other select items. We will make every effort to ship all other custom made orders, with exception of high volume and special orders (ie., prescription glasses, lead or acrylic glass or frames and barriers) within 12 to 15 working days of confirmed order.

## Shipping

Orders are normally shipped with a leading major transportation carrier via ground service, unless otherwise specified, and ship F.O.B. Madras, Oregon or from a predetermined special order location(s).

- **IMPORTANT:** Be sure to inspect all merchandise at time of delivery, report any damage immediately, note any discrepancies on the Bill of Lading (if applicable) and **RETAIN ALL PACKAGING MATERIAL** (whether damage is visible or concealed) in the event a claim is filed due to shipping damage.

## Apron Care & Guidelines

To maintain safe performance, as well as keep your x-ray apparel looking good for many years to come, TZ Medical strongly recommends that each garment be thoroughly inspected upon receipt at regular intervals, as well as properly stored when not in use. Each piece of apparel is accompanied by an Apron Care & Guideline sheet for guidance in inspection and proper care of our products.

- **STORAGE:** Don't fold, crease, drape or sit down in your TZ Medical garments. We strongly recommend that our aprons be hung on a TZ Medical heavy duty chrome hanger (Item# 200H) or equivalent, not on a hook.
- Hook and loop closures must be secured properly to avoid snagging or tearing of fabric. Always store apron with hook loop closed.

Failure to properly care for your apron may result in harm to the apron, as well as void its warranty.



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