



LION[®]
ready for action



V-FORCE[®]

HIGH-PERFORMANCE CUSTOM TURNOUTS

Featuring LION's Patented V-Fit[®] Design
That Moves Like You Do



Scotchlite[™]
Reflective Material

COMBINING COMBAT AND SPORTS UNIFORM TECHNOLOGY

V-FORCE® TURNOUTS

A Cut Above The Rest.

LION's V-Force turnout gear features an innovative **cut-in-motion design** for a more ergonomic garment that moves the way you do, while still offering unparalleled protection. Professional **sports and military technology** combine to create turnout gear that provides the mobility and comfort to do your job every day with the toughness and durability you expect from LION. V-Force comes standard with **LION's patented IsoDri® Moisture Management System**. IsoDri turnouts absorb less water, helping protect against compression burns, while keeping gear drier and lighter during use and between runs. In wet conditions, IsoDri gear remains more breathable and comfortable, reducing fatigue and heat stress.



KEY COAT HIGHLIGHTS

A. CUT-IN-MOTION DESIGN

Contoured coat sides evenly distribute the weight of your coat and positions seams to reduce conflicts with SCBA straps that can cause irritation and discomfort.

B. VIZ-A-V™ TRIM PATTERN

LION's trademark Ventilated Trim™ pattern provides high visibility, while allowing vapor to escape – which guards against potential compression burns.

C. BI-SWING BACK*

This coat style features inverted pleats in both the outer shell and liner system that expand as your arms move forward. The result is no tugging, binding or bunching of material.

D. COMFORT COLLAR

Collar is ergonomically shaped to improve comfort, interface well with other PPE elements and deliver continuous thermal and moisture protection (Shown here with optional zipper shell/liner connector).

E. DRAG RESCUE DEVICE (DRD)

This built-in emergency rescue aid is streamlined, durable and easy to access, yet designed to be unobtrusive and out of your way. The only time you'll feel it is when it's deployed.

F. RAGLAN SLEEVES

Shaped like your arm to promote free, unrestricted movement and reduce turnout coat hem rise.

G. V-FIT™ ELBOWS

Elbows include cutouts, shaped pieces and darts to allow natural arm movement without restrictions or tugging.

H. EXTENDED CUFFS

Sleeve cuffs include extra length over back of hand for additional thermal protection when extending your arms.

*Optional feature

V-FORCE® COAT DETAILS



V-FORCE® PANT DETAILS

KEY PANT HIGHLIGHTS

A. RADIAL INSEAM
A banded insert runs continuously from the top of the knee of one leg, through the crotch and to the top of the opposite knee. This not only reduces tension and increases comfort, but extends the useful life of your turnout pants.

B. V-FIT™ KNEES
Contoured knees use cutouts, shaped pieces and darts to enable free and easy movement.
Distinctive **V-Notch™** polymer-coated aramid (PCA) reinforcements on knees protect against high-abrasion wear and help keep heat and moisture out.

Water-resistant FR **Lite-N-Dri™** cushioning is placed between the moisture barrier and thermal liner to enhance thermal protection. There is also another layer of Lite-N-Dri between the outer shell and the knee reinforcement.

C. TOOL POCKETS
A wide variety of tool pocket options are available to meet the individual needs of your department.

D. V-FIT LEGS
Pant legs are contoured and include ergonomically-shaped sections that allow legs to move freely while bending, kneeling and crawling.
LION's **Semper Dri™ System** incorporates special thermal liner material and is positioned in the bottom portion of each pant leg to reduce water absorption and keep your working weight lighter.



V-FORCE® PANT OPTIONS

LION V-FORCE PANTS ARE AVAILABLE IN MULTIPLE STYLES TO FIT VARIOUS BODY TYPES AND MEET YOUR COMFORT NEEDS, WITHOUT SACRIFICING MOBILITY, DURABILITY, OR SAFETY. CHOOSE FROM A VARIETY OF STYLES WITHIN A DEPARTMENT – AND STILL BE UNIFORM.

All V-Force pant designs feature the following:

- V-Fit™ legs and knees are contoured for free, easy movement – with knee padding options available
- Radial inseam reduces tension to add comfort and increases the wear life of your pants
- SemperDri™ in the lower legs repels water to help keep pants dry and reduce working weight, also reducing firefighter heat stress

1. V-FORCE BELTED PANTS

V-force belted pants offer a low-rise waist with belt loops and a two-inch Kevlar® belt with a quick-release thermoplastic buckle. Add suspender buttons to give you the option of using the belt alone or adding suspenders.



2. V-FORCE ULTRA LOW-RISE PANTS

The V-Force Ultra Low-Rise Pant features a slim fit in the seat and thighs as well as a reduced front rise, which sits comfortably on the hips like a pair of jeans, without sacrificing thermal protection. The widened crotch gusset allows enhanced mobility and the waist height reduces bunching and wear and tear from wearing pants too low.



3. V-FORCE LUMBAR PANTS

V-Force Lumbar Pants have a traditional waist and feature the LION Lumbar Support System. This system is integrated into the V-Force pant and is orthopedically designed to provide adjustable mechanical support when you're lifting, bending forward, standing or performing emergency rescues.



4. V-FORCE HIGH-BACK PANTS

V-Force High-Back Pants provide the ultimate in thermal protection. A five-inch back panel extends above the waist. A unique hook and loop support pad attaches LION's V-Back™ Suspenders to the pants. Snap tabs fasten the suspenders to the front (V-Back™ High-Back Suspenders are required).



5. V-FORCE HARNESS-READY PANT (NOT PICTURED)

The LION V-Force harness ready pant is specially designed to support an internal Class 2 harness. By moving the integration points higher, this style offers better everyday comfort and a more stable center of gravity during escape.



SETTING THE BAR FOR PARTICULATE PROTECTION

REDZONE™

Contaminant Control Package

When you arrive on the scene of a fire, your personal protective equipment (PPE) is immediately exposed to a number of toxic chemicals — exposure that can result in serious health problems. That includes cancer, which is currently the leading cause of U.S. firefighter deaths. With that fact in mind, LION has developed **RedZone™**, our exclusive contaminant control package.

Developed in partnership with the **U.S. Department of Homeland Security (DHS)** and **North Carolina State**

University's Textile Protection and Comfort Center, RedZone features particulate-blocking zones designed to help reduce your exposure to the dangers lurking in fireground smoke, keeping you ready for action.

RedZone is also the **only UL tested and verified** particulate-blocking gear on the market. The RedZone package can be selected at the time of original V-Force purchase or as a retrofit.



No ingress at turnout coat, pant, glove, boot interfaces and closures

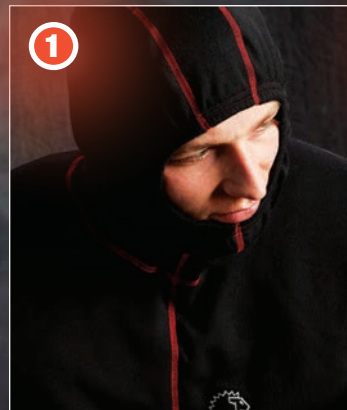


3

CORE GUARD

A Nomex® Nano multi-layered composite with an elasticized band helps reduce particulate ingress at the coat-to-pant interface.

1



PARTICULATE-BLOCKING HOOD

A breathable, ultra-soft hood with **StedAir® PREVENT** protects the head and neck from particulates, while also providing excellent mobility and unrestricted hearing during firefighting activities.

2



ARM GUARD

Elasticized wrist shields and enhanced **IsoDri®** knit wristlets with **Nomex® Nano Flex** help block particulates at the coat-to-glove interface.

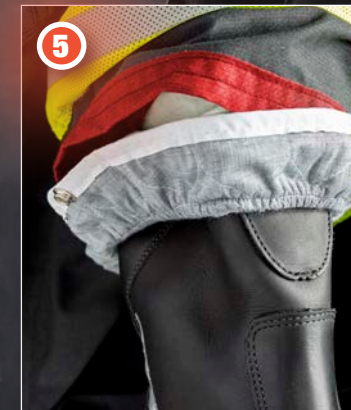
4



CLOSURE GUARD

Engages with just one zip. No extra steps to don the gear. Red hook and loop indicates when turnout coat is properly closed.

5



LEG GUARD

Together, the elasticized ankle shield and **Nomex® Nano Flex** calf protector help block particulate exposure at the pant-to-boot interface.



V-FORCE® FEATURES

■ Standard Features

A variety of materials, pockets, closure styles and accessory options are available.

DRAG RESCUE
DEVICE (DRD)

VIZ-A-V™
TRIM PATTERN

COMFORT COLLAR

RAGLAN SLEEVE

LION VENTILATED
TRIM™

V-FIT™ ELBOW

STREAMLINED
STORM FLAP

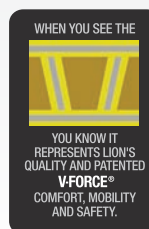
EVER-DRY™ REACH
SYSTEM
WITH WRIST SHIELD™ SYSTEM

THUMB HOLE
KNIT WRISTLETS
WITH ISODRI® MOISTURE
MANAGEMENT

OPTIONAL
TOOL POCKETS

V-FIT KNEES
WITH LITE-N-DRI™
CUSHIONING

SEMPER DRI™
THERMAL
LINER SYSTEM



For more information about
V-Force, contact your LION sales
representative or visit us online at
www.lionprotects.com/v-force.

LION, V-Force, V-Fit, Viz-A-V, Ever-Dry,
Lite-N-Dri, RedZone, Ventilated Trim, SemperDri
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Company. 3M and Scotchlite are registered
trademarks of 3M Company and its affiliates.

•DUPONT•
Kevlar | **Nomex**

3M | **Scotchlite™**
Reflective Material

LION®
ready for action