

**EN-469 Turnout Gear**

**Honeywell**



**Ergonomically Designed for  
Performance and Reliability**

# Honeywell



From the  
leader in safety  
innovation...

an innovative line of  
firefighting suits  
that combine material  
performance and  
ergonomic features  
for maximum protection  
and functionality.

All Honeywell protective  
ensembles are tested in detail  
for on-site performance and is  
and certified to meet and  
exceed EN-469 standards  
– and ours.

Each of our four models of  
turnout gear – VIPER EN,  
EDGE EN, RESPONSE and  
Z-SERIES – is uniquely engi-  
neered to respond to a specific  
combination of requirements.

➤VIPER EN

➤EDGE EN



Ergonomically engineered to maximize  
mobility and offering the most  
cutting-edge innovative features in an  
athletic cut that shapes to your body and  
moves with you.

Made for the firefighter who wants the  
latest technology, yet wishes to keep a  
traditional cut. Designed with ample  
displacement, mobility and comfort.



HONEYWELL OFFERS A VERSATILE LINE OF PRODUCTS DESIGNED TO MEET THE DIFFERENT **APPLICATIONS** AND **REQUIREMENTS** OF FIREFIGHTING FORCES ACROSS THE WORLD.

➤ **RESPONSE 120**



Featuring the PBI® Gold outer shell fabric technology and offering enhanced thermal performance with sleek features and proven options.

➤ **RESPONSE 110**



Offering affordable features with a Nomex® Delta T outer shell.

➤ **Z-SERIES**



A contemporary design with optimized performance using proven Nomex® Delta T outer shell at a price point suitable for budget-restrained departments.

# VIPER EN

## Maximized Body Protection for Mobility in Action

When we set out to create the new generation of turnout gear, our designers searched the global garment industry for ideas that could solve a key design problem: how to make gear that delivers comfort and mobility without adding weight or bulk.

We found the answer in skiing, snowboarding, and other high-performance sports where the limits of mobility are pushed to the extreme. **VIPER EN** was born: using advanced pattern engineering to improve ergonomics, we were able to significantly reduce fabric bulk while maximizing mobility and thermal insulation.

### Standard Features

**Integrated Collar and Storm Flap T-Closer™**  
Eliminates the gap found in so many other throat strap and collar designs (patented)

**Unique Ergonomic Shoulder and Underarm Design**  
Eliminates the gusset for less bunching under the arm, increasing comfort. Minimizes coat rise

**3M® Triple Trim - 5 cm**

**Sidewinder Coat Pockets™**  
Sewn below the waist to avoid overlap with SCBA straps (graded size) (patent pending)

**Side Adjustment Pull-tabs**  
Tough and durable Nomex® webbing  
Waist adjustment provides a better, tailored fit

**Ergonomic Seat Design**  
For comfortable fit with no bulk (patent pending)

**Full-bellow Pant Pocket**  
For large capacity content  
25 cm x 25 cm

**Kevlar® Reinforced Pockets**  
Maximized durability

**Hyalon Knee and Cuff Reinforcements**  
For extended durability

**Ergonomic Leg**  
Two front panels divided at knee, the lower front panel is convex at the knee for better mobility and fit in all positions

**Anti-wicking Pant Bottoms**  
Protect against water wicking up

**Tapered Athletic Stance Design**  
Offers enhanced mobility by design and not by oversizing

**Steam-blocker Elbow Pad**  
For maximized thermal protection

**Quick-release Suspenders**

**Lo-rise Front/Hi-rise Back Pant**  
Maximizes mobility and flexibility

**Coat and Pant Closure System:**  
Zipper under flap paired with hook and loop

**Heavy-duty Connection**  
Includes double-stitched seams

**Oversize Knee Reinforcements**  
Covers the knee both standing and kneeling

**Thermally Enhanced Knee Pad**  
For maximized thermal protection



**3M® Triple Trim - 5 cm**



**T-Closer™ System**  
Maximum neck protection without gaps



**Sidewinder™ Pocket**  
Optimal pocket access while using an SCBA



**Ergonomic Athletic Design**  
Advanced pattern engineering for mobility at its best

**Best Spec**

Outer Shell	Weight	Moisture Barrier	Weight	Thermal Liner	Weight
PBI Max™	237 g/m <sup>2</sup> / (7.0 osy)	Stedair® 3000e	180 g/m <sup>2</sup> / (5.3 osy)	Glide™ 2-Layer	250 g/m <sup>2</sup> / (7.4 osy)
<b>Coat</b> Trim: Lime 2-tone Scotchlite™ (5 cm) Black Arashield® cuffs 19 cm x 9 cm x 5 cm radio pocket - left chest Hybrid wristlets Mic loop - upper-left chest Sidewinder pleated patch pocket Zipper with hook and loop closure			<b>Pants</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs Black Arashield knees Boot cut 25 cm x 25 cm x 5 cm pocket with Kevlar® reinforcement Quick-release suspenders Zipper with hook and loop closure		

**Good Spec**

Outer Shell	Weight	Moisture Barrier	Weight	Thermal Liner	Weight
Armor 7.0™	237 g/m <sup>2</sup> / (7.0 osy)	Stedair® 3000e	180 g/m <sup>2</sup> / (5.3 osy)	Synergy II 2-layer	240 g/m <sup>2</sup> / (7.1 osy)
<b>Coat</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs 19 cm x 9 cm x 5 cm radio pocket - left chest Hybrid wristlets Mic loop - upper-left chest Sidewinder pleated patch pocket Zipper with hook and loop closure			<b>Pants</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs Black Arashield knees Boot cut 25 cm x 25 cm x 5 cm pocket with Kevlar reinforcement Quick-release suspenders Zipper with hook and loop closure		

**Jacket**

Size		Chest	Coat Length	Sleeve Length
XS	CM	81-86	84	85
	IN	32-34	33	33.5
S	CM	91-97	84	86
	IN	36-38	33	34
M	CM	101-107	84	87.5
	IN	40-42	33	34.5
L	CM	112-117	84	89
	IN	44-46	33	35
1X	CM	122-127	84	91.5
	IN	48-50	33	36
2X	CM	132-137	84	92.5
	IN	52-54	33	36.5
3X	CM	142-147	84	94
	IN	56-58	33	37

Available in tall – Jacket length 35" / 89 cm

**Trousers**

Size		Waist	Inseam	Height
XS	CM	66-71	71	≤180cm
	IN	26-28	28	≤5' 11"
S	CM	76-81	71	≤180cm
	IN	30-32	28	≤5' 11"
M	CM	86-91	76	≤180cm
	IN	34-36	30	≤5' 11"
L	CM	96-101	76	≤180cm
	IN	38-40	30	≤5' 11"
1X	CM	107-112	76	≤180cm
	IN	42-44	30	≤5' 11"
2X	CM	117-122	81	≤180cm
	IN	46-48	32	≤5' 11"
3X	CM	127-132	81	≤180cm
	IN	50-52	32	≤5' 11"

Available in tall – Trousers length 3" / 7.5 cm reverse boot cut

PBI Max



Armor 7.0



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**3M Scotchlite™**  
 Reflective Material

**MAXIMUM MOBILITY**

# EDGE EN

## Maximized Body Protection for Comfort in Action

Advanced design meets classic styling. Designed with ample displacement for all-around mobility, comfort, and performance. **EDGE EN** is made for the firefighter who wants the latest technology yet wishes to keep a traditional cut. Proven and versatile in all environments, **EDGE EN** delivers a high level of performance in the toughest conditions.

### Standard Features





**Flex-back Pleats**  
Maximum movement  
and reach



**Underarm Gussets in  
All Three Layers**  
Allows maximum comfort  
while minimizing coat rise

**Best Spec**

Outer Shell	Weight	Moisture Barrier	Weight	Thermal Liner	Weight
AV9200	200 g/m <sup>2</sup> / (6.0 osy)	Stedair® 3000e	180 g/m <sup>2</sup> / (5.3 osy)	Quantum 3D SLi™	210 g/m <sup>2</sup> / (6.2 osy)
<b>Coat</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs 19 cm x 9 cm x 5 cm radio pocket - left chest Hybrid wristlets Mic loop - upper-left chest 23 cm x 23 cm x 5 cm semi-bellows pocket Zipper with hook and loop closure			<b>Pants</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs Black Arashield knees Boot cut 18 cm x 23 cm semi-bellows pocket Suspenders with buttons Hook and Dee with hook and loop closure		

**Good Spec**

Outer Shell	Weight	Moisture Barrier	Weight	Thermal Liner	Weight
Brigade® 600	200 g/m <sup>2</sup> / (6.0 osy)	Stedair® 3000e	180 g/m <sup>2</sup> / (5.3 osy)	Synergy One Layer	200 g/m <sup>2</sup> / (6.0 osy)
<b>Coat</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs 19 cm x 9 cm x 5 cm radio pocket - left chest Hybrid wristlets Mic loop - upper-left chest 23 cm x 23 cm semi-bellows pocket Zipper with hook and loop closure			<b>Pants</b> Trim: Lime 2-tone Scotchlite (5 cm) Black Arashield cuffs Black Arashield knees Boot cut 18 cm x 23 cm semi-bellows pocket Suspenders with buttons Hook and Dee with hook and loop closure		

**Jacket**

Size		Chest	Coat Length	Sleeve Length
XS	CM	81-86	78	85
	IN	32-34	31	33.5
S	CM	91-97	78	86
	IN	36-38	31	34
M	CM	101-107	78	87.5
	IN	40-42	31	34.5
L	CM	112-117	78	89
	IN	44-46	31	35
1X	CM	122-127	78	91.5
	IN	48-50	31	36
2X	CM	132-137	78	92.5
	IN	52-54	31	36.5
3X	CM	142-147	78	94
	IN	56-58	31	37

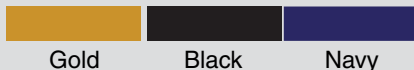
Available in tall – Jacket length 33" / 84 cm

**Trousers**

Size		Waist	Inseam	Height
XS	CM	66-71	71	≤180cm
	IN	26-28	28	≤5' 11"
S	CM	76-81	71	≤180cm
	IN	30-32	28	≤5' 11"
M	CM	86-91	76	≤180cm
	IN	34-36	30	≤5' 11"
L	CM	96-101	76	≤180cm
	IN	38-40	30	≤5' 11"
1X	CM	107-112	76	≤180cm
	IN	42-44	30	≤5' 11"
2X	CM	117-122	81	≤180cm
	IN	46-48	32	≤5' 11"
3X	CM	127-132	81	≤180cm
	IN	50-52	32	≤5' 11"

Available in tall – Trousers length 3" / 7.5 cm reverse boot cut

AV9200



Brigade 600



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**3M** **Scotchlite™**  
 Reflective Material

**MAXIMUM COMFORT**

# HONEYWELL RESPONSE

## Material Performance and Ergonomic Features for Maximum Comfort and Functionality

Honeywell Response delivers a contemporary design and applies the latest in ergonomic features, built-in options, and proven fabrics. The result is that you are protected with gear that meets and exceeds the rigorous EN 469:2005 level 2 standard. For firefighters who seek the latest technology and reliable performance, there is just one choice...Honeywell Response!

- Ergonomic design features provide increased movement and minimize restriction.
- Integrated coat pockets reduce fabric bulk while delivering a sleek look and a smooth appearance.
- Reinforcements in critical compression areas such as knees, cuffs, hem, and wristlets.

### Model 120 PBI®

**Throat Closure Tab**  
Extra protection in neck area

**Flashlight Holder**  
Holds flashlight in place

**Waterwell**  
Prevents water/debris from entering sleeve

**Elastic and Adjustable Suspenders**  
Comfortably hold pants in place

**Premium Thermal Liner**  
Enhanced comfort

**Full-bellows pant pockets**  
Extra capacity to hold needed equipment

**Reinforced Knees**  
Longer durability in high abrasion area

**Anti-wicking Strips at Bottom of Coat and Pant**  
Prevent dirt and water from wicking up into the garment

**Nametag**  
FF identification

**Extra Horizontal Reflective Trim**  
Maximum visibility

**Knitted Cuffs with Thumb Loops**  
Prevent sleeve retraction



**Anti-wicking Strips**  
Prevents water and dirt from entering pant legs or coat



**Extra Trim**  
Horizontal reflective trim band for maximum visibility



**Waterwell**  
Prevents debris and water from entering the coat sleeve.





## Certified Fabric Combinations

Outer Shell	Weight	Moisture Barrier	Weight	Thermal Liner	Weight	Properties
PBI® Gold (Response 120)	205 g/m <sup>2</sup> (6.0 osy)	FR nonwoven laminated to PU membrane	125 g/m <sup>2</sup> (3.7 osy)	FR nonwoven quilted to Aramid/FR Viscose face cloth	205 g/m <sup>2</sup> (6.0 osy)	• Enhanced thermal performance
Nomex® Delta T Midnight Blue (Response 110)	195 g/m <sup>2</sup> (5.8 osy)	FR nonwoven laminated to PU membrane	125 g/m <sup>2</sup> (3.7 osy)	FR nonwoven quilted to Aramid/FR Viscose face cloth	175 g/m <sup>2</sup> (5.2 osy)	• Reliable performance

Size	Chest	Waist	Height	Size	Chest	Waist	Height
S	80-92 CM	78-86 CM	164-170 CM	XL	104-116 CM	102-110 CM	176-182 CM
M	88-100 CM	86-94 CM	168-174 CM	XXL	112-124 CM	110-118 CM	180-186 CM
L	96-108 CM	94-102 CM	172-178 CM				

## Model 110 Nomex®

**Throat Closure Tab**  
Extra protection in neck area

**Flashlight Holder**  
Holds flashlight in place

**Sleeve Guard**  
Prevents debris from entering sleeve

**Elastic and Adjustable Suspenders**  
Comfortably hold pants in place

**Premium Thermal Liner**  
Enhanced comfort

**Full-bellows pant pockets**  
Extra capacity to hold needed equipment

**Reinforced Knees**  
Longer durability in high abrasion area

**Vertical Reflective Trim on Legs**

**Names Tag**  
FF identification

**Knitted Cuffs with Thumb Loops**  
Prevent sleeve retraction

**Vertical Reflective Trim on Legs**  
Increased visibility

**Cuff Tighteners**  
Ensures position of sleeve and glove

**Liner Pocket**  
Additional and convenient storage

DuPont™  
**Nomex®**

# Z-SERIES

## Maximized Protection for Optimized Performance

The Honeywell Z-Series starts with a contemporary design and applies the latest in ergonomic features, built-in options and advanced fabric technology. The result is that you are protected with a firefighting suit that meet the rigorous standards of the EN 469.

### Standard Features





### Underarm Bellow

Arm mobility greatly elevated



### Reinforced Knees

Improves durability in a high wear area



### Built-in Suspenders

Added comfort and convenience

### Certified Fabric Combinations

Outer Shell	Weight	Moisture Barrier	Weight	Thermal Liner	Weight	Properties
Nomex® Delta T	220 g/m <sup>2</sup> (6.5 osy)	Stedair® 3000e	180 g/m <sup>2</sup> (5.3 osy)	Aramid/FR Viscose Woven Fabric with Aramid Felt	200 g/m <sup>2</sup> (6.0 osy)	• Proven thermal performance
Pbi Matrix®	205 g/m <sup>2</sup> (6.0 osy)	Stedair® 3000e	180 g/m <sup>2</sup> (5.3 osy)	Twin Spacer Aramid/FR Viscose	200 g/m <sup>2</sup> (6.0 osy)	• Enhanced thermal performance, lightweight

### Jacket

Size		Chest	Coat Length	Sleeve Length
XS	CM	81-86	78	85
	IN	32-34	31	33.5
S	CM	91-97	78	86
	IN	36-38	31	34
M	CM	101-107	78	87.5
	IN	40-42	31	34.5
L	CM	112-117	78	89
	IN	44-46	31	35
1X	CM	122-127	78	91.5
	IN	48-50	31	36
2X	CM	132-137	78	92.5
	IN	52-54	31	36.5
3X	CM	142-147	78	94
	IN	56-58	31	37

Available in tall – Jacket length 84 cm/33"

### Trousers

Size		Waist	Inseam	Height
XS	CM	66-71	71	≤180cm
	IN	26-28	28	≤5' 11"
S	CM	76-81	71	≤180cm
	IN	30-32	28	≤5' 11"
M	CM	86-91	76	≤180cm
	IN	34-36	30	≤5' 11"
L	CM	96-101	76	≤180cm
	IN	38-40	30	≤5' 11"
1X	CM	107-112	76	≤180cm
	IN	42-44	30	≤5' 11"
2X	CM	117-122	81	≤180cm
	IN	46-48	32	≤5' 11"
3X	CM	127-132	81	≤180cm
	IN	50-52	32	≤5' 11"

Available in tall – Trousers length 1" reverse boot cut

Nomex® Delta T			
	Navy	Gold	Black
Pbi Matrix®			
	Bronze	Black	

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**Kevlar®**  
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# OPTIMIZED PERFORMANCE

Honeywell First Responder Products  
#1 Innovation Court  
Dayton, Ohio 45414  
Tel: 800-688-6148  
[www.HoneywellFirstResponder.com](http://www.HoneywellFirstResponder.com)

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