

# NHI5<sup>TM</sup> COMBO ESCAPE HOOD



CO & CBRN PROTECTION ESCAPE HOOD

**AVON**  
PROTECTION

# NH15<sup>TM</sup> COMBO ESCAPE HOOD

The NH15 Combo is a revolutionary new carbon monoxide (CO) resistant, super compact CBRN escape hood, based on Avon's widely acclaimed NIOSH approved NH15. The NH15 Combo offers unsurpassed levels of respiratory protection for escape from hazardous environments, particularly when dangerously high levels of CO are present or likely in combination with other toxic materials and gases such as found in a smoke filled environment.



**15 MINUTES OF  
PROTECTION AGAINST  
CBRN AND CO**



**PUT ON IN LESS  
THAN 30 SECONDS**



**SINGLE USE ONLY /  
NO MAINTENANCE**

## SIMPLE TO OPERATE

The NH15 Combo is quick and easy to put on as it includes a non adjustable harness to increase the ease of fitting. The hood is made of transparent material to maximize the field of view and reduce any feeling of claustrophobia. The twin filters remain close to the face and minimize breathing resistance while maximizing gas, vapor and particulate protection.



## EASY TO CARRY

Being small and light the NH15 Combo is easy to carry. It is preferably carried on a leg strap attached to the thigh.





# WE REDUCED THE SIZE. NOT THE PROTECTION.



\*The image above represents the NIOSH Standard Carrier

## COMPETITIVE COMPARISONS

|   | Avon NH15 Combo                         | ILC Dover Scape                               |
|---|---|---|
| Packaged size   | 6" x 5" x 4"<br>(152mm x 127mm x 101mm) | 3.5" x 10.2" x 8.3"<br>(89mm x 259mm x 210mm) |
| Weight  | 725g (23 oz)                            | 1016g (35.8 oz)                               |
| NIOSH certified                                       | TC-14G-0338                             | TC-14G-0277                                   |
| Clear hood for user identification & all round vision | Full                                    | Partial                                       |
| Self adjusting harness                                | Yes                                     | No Harness                                    |
| Anti-fog coating on visor                             | Yes                                     | No  |
| User noise  | Low                                     | "Very High (Motor/Fan Noise)"                 |
| Filter protrusion distance from face                  | 2"<br>(51mm)                            | 3"<br>(76mm)                                  |
| Balanced on user's head                               | Yes                                     | No  |
| Batteries   | No                                      | Yes   |

## USER TRAINING



The Avon NH15 Combo contains a quick-don label to guide user in an emergency situation.



To support the introduction of the NH15 Combo into an organization, simple posters provide a constant message to users on the correct operation.



A training hood is available for end-user training. Can be used for multiple training courses.



CD and Training Presentation available for initial user training and new user education on the "do's and don'ts" of using the Avon NH15 Combo.

## AFFORDABLE PROTECTION

- NO annual fit check requirements
- The Avon NH15 Combo is vacuum-packed in a multilayer barrier bag that provides 5 years of shelf life
- NO maintenance or inspection requirements
- Protect more people with your budget

## IDEAL FOR:

- Law Enforcement
- Hazmat
- Medical Responders
- Oil Refineries
- Chemical Facilities
- Mining/Drilling Applications
- Executive Protection

## NH15 COMBO Technical Data

### Protection Factor

|   |                          |
|---|--------------------------|
| Breathing zone (Oronasal)                   | Greater than 2000        |
| Hood zone (Ocular)                          | Greater than 150         |
| Neck size range                             | 13" to 21.5" (330-550mm) |
| Donning time                                | less than 30 seconds     |
| Re-breathing CO <sub>2</sub> (machine test) | less than 1.0%           |
| Re-breathing CO <sub>2</sub> (human test)   | less than 2.0%           |

### Breathing Resistance

|                     |                                 |
|---------------------|---------------------------------|
| Inhalation at 85lpm | less than 50mm H <sub>2</sub> O |
| Exhalation at 85lpm | less than 10mm H <sub>2</sub> O |

### Barrier Performance (swatch samples)

|    |                         |
|----|-------------------------|
| GB | Greater than 30 minutes |
| HD | Greater than 30 minutes |

### Smartman Performance (tested at ECBC)

|    |                         |
|----|-------------------------|
| GB | Greater than 30 minutes |
| HD | Greater than 30 minutes |

### Sizing

|                           |        |                                  |
|---------------------------|--------|----------------------------------|
| Regular                   | 600186 | 13" to 18" (330-457mm) neck size |
| Large                     | 600187 | 18" to 22" (457-559mm) neck size |
| Extra small (hard to fit) | 600185 | 12" to 13" (305-330mm) neck size |

### Filter Performance

|                         |                        |
|-------------------------|------------------------|
| Particulate penetration | P100 (Less than 0.03%) |
|-------------------------|------------------------|

### Flame Resistance

Meets requirements when tested in accordance with EN136; 1998 edition, Class 1

### Gas And Vapor Protection (NIOSH APER Escape Hood & CO)

|                   | Challenge Concentration (ppm) | Breakthrough Time (minutes) |
|-------------------|-------------------------------|-----------------------------|
| CO Protection     | 3600                          | >30                         |
| Hydrogen Sulfide  | 500                           | >150                        |
| Ammonia           | 1250                          | >45                         |
| Cyanogen Chloride | 150                           | >30                         |
| Cyclohexane       | 1300                          | >35                         |
| Formaldehyde      | 250                           | >45                         |
| Hydrogen Cyanide  | 470                           | >45                         |
| Nitrogen Dioxide  | 100                           | >45                         |
| Phosgene          | 125                           | >45                         |
| Phosphine         | 150                           | >45                         |
| Sulphur Dioxide   | 750                           | >30                         |

### Packaging

|                     |   |
|---------------------|---|
| Pack size           | 6" x 5" x 4" (150mm x 125mm x 100mm)                            |
| Packaging type      | 4 layer foil barrier bag surrounded by reinforced nylon carrier |
| Weight (as carried) | 725g  |
| Packaged shelf life | 5 Years when stored between -10°C to 48°C                       |



#### NIOSH approved product - 42 CFR 84:

Statement of Standard for CBRN APER with CO

Service time : 15 minutes

Approval No. : TC-14G-0338

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