

# CH15™

COMPACT CBRN ESCAPE HOOD



Respiratory Escape Device

**AVON**  
PROTECTION

# CH15™

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## CBRN ESCAPE HOODS REDEFINED

The CH15 Escape Hood is a revolutionary, ultra-thin, single size respiratory escape device that provides a minimum of 15 minutes of respiratory vision and facial protection against Chemical, Biological, Radiological and Nuclear threats.

Developed in conjunction with The Combating Terrorism Technical Support Office (CTTSO), this next generation escape respirator provides all around rapid deployment protection for specialist users and protective detail. With our smallest ever design, the CH15 can always be on hand for the unexpected. Be prepared with the CH15.



SINGLE USE ONLY /  
NO MAINTENANCE / NO FIT TESTING



5 YEAR  
SHELF LIFE



DON IN LESS  
THAN 10 SECONDS



15 MINS OF PROTECTION  
AGAINST CBRN

## BE PREPARED WITH THE CH15

One size fits  
all mask

Twin, ultra-thin  
filters for lower  
breathing  
resistance and  
profile

Reflective  
feature for user  
identification  
when in low light

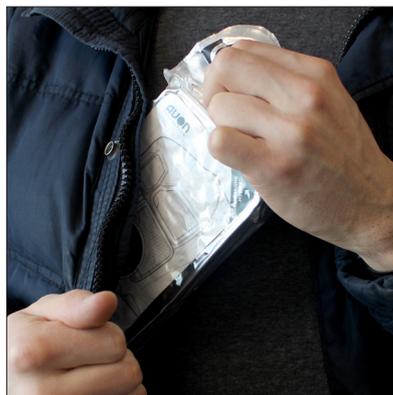
Anti-fog,  
optically correct  
eye lenses

Universal neckseal  
accommodates  
facial hair unlike  
a traditional gas  
mask



### AVAILABLE WHEREVER YOU ARE

- The streamlined design helps to keep the CH15 discreet on the user, and ensures low space burden when accompanied with other equipment. There is a wide variety of carrying and stowage possibilities.



Stowed under clothing



Stowed in carrier

## PRACTICAL PROTECTION

### ■ Low burden breathing resistance

The CH15 has been designed to maximise the surface area of the twin filters. This has minimised breathing resistance, providing one of the lowest burden respirator solutions on the market.

### ■ Sufficient protection for escape

The CH15 provides wearers with respiratory, vision and facial CBRN protection for a minimum of 15 minutes against CBRN threats, and 30 minutes protection from Chemical Warfare Agents, to allow sufficient time to evacuate from a contaminated area.

### ■ Smallest design

Avon Protection's CH15 is the lowest profile high performance escape hood available on the market, featuring an ultra-thin design and innovative packaging solution. The CH15 can therefore be available wherever you are, with a discreet profile and a low space burden when accompanied with other equipment.

### ■ One size fits all

With a high stretch neck-seal the CH15 offers a one-size design, capable of fitting all adult wearers.



## FASTEST DON TIME

- With a patented design, the ring pulls and defined opening channel ensures the CH15 opens the same way every time. The hood is simple to don too, no harness adjustment is necessary to ensure a comfortable and secure fit. As a result, trained operators are able to open and don the hood within 8-10 seconds.



## INTEGRATED VACUUM TEST IN CASE

- Testing the vacuum on your CH15 CBRN Escape Hood is as simple as pressing the circular area in the middle of the carrier. An audible snap/click indicates that the vacuum has been lost and the hood should not be used.

## USER TRAINING & INSTRUCTION

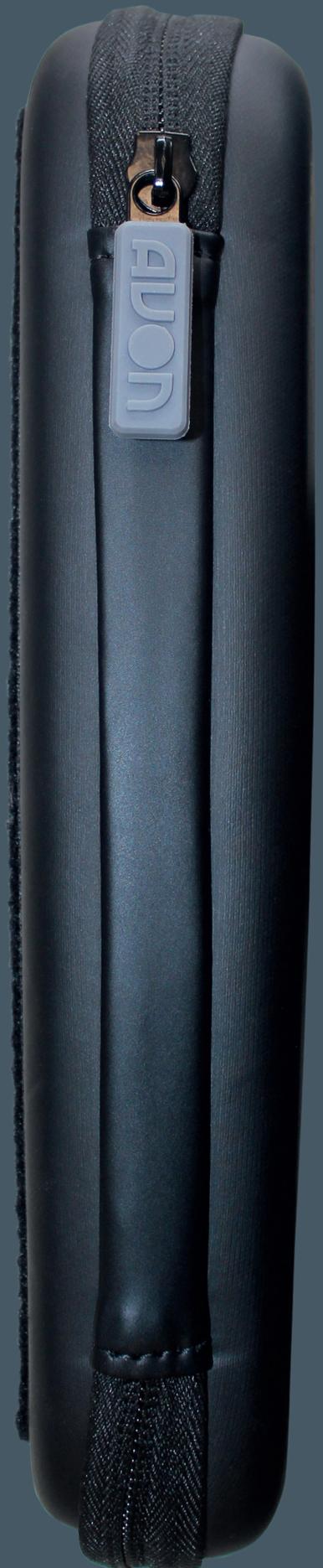


The CH15 contains quick-don instructions that provide the user with familiarity and simple instructions in case of an emergency.



To support the introduction of the CH15 into an organisation, there is a video that demonstrates the donning procedure to users in an easily accessible format.

There is also an easy-to-understand poster that provides a constant message to users on the correct operation.



Actual size

**Protection factor and hood performance**

Breathing zone (oronasal)	Greater than 2000
Hood zone (ocular)	Greater than 150
Neck size range	307mm - 457mm (12in - 18in)
Donning time	Less than 10s
Re-breathing CO2	Less than 2.5%

**Breathing resistance**

Inhalation at 85lpm	Less than 50mm H2O
Exhalation at 85lpm	Less than 7mm H2O

**Smartman performance (full system test)**

	Eye region (time mins)	Oronasal region (time mins)
HD	>30	>30
GB	>30	>30

**Vapour only testing**

	Eye region (time mins)	Oronasal region (time mins)
HD Vapour	>360	>360
GB Vapour	>100	>150

**Filter Performance**

Particulate penetration	P3/P100 (Less than 0.03%)
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**Typical Filter Performance data**

	Challenge concentration (PPM)	Breakthrough time (minutes)
Hydrogen Sulfide	500	>60
Ammonia	1250	>25
Sulphur Dioxide	750	>25
Cyclohexane	1300	>25
Formaldehyde	250	>60
Hydrogen Cyanide	470	>35
Nitrogen Dioxide	100	>35
Phosphine	150	>60
Phosgene	125	>60
Cyanogen Chloride	150	>35

**Packaging**

Carry case size	254 x 140 x 51mm (10 x 5.5 x 2.0in)
Pack size (without carry case)	222 x 107 x 36mm (8.7 x 4.2 x 1.4in)
Packaging type	Vacuum packed and inside zipped carry case
Weight (with carry case)	675g (1.49lb)
Weight (without carry case)	508g (1.12lb)
Packaged shelf life	5 years when stored between 5°F and 105°F (-15°C and 40°C)
User instructions	English. Other languages available on request



The CH15 escape hood is an APER device approved for CE marking in accordance with PPE Regulation (EU) 2016/425: Type-examination approval for CE marking-module B: certificate CE 722107.

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