



# VRU+

## VICTIM RESCUE UNIT PLUS

Totally-Enclosed, Oxygen-Supplied,  
Smoke/Chem-Bio Escape Hood



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Fast Donning Head and Respiratory Protective Hood



The VRU+ (Victim Rescue Unit Plus) is the most compact, lightweight, totally-enclosed, oxygen-supplied Smoke/Chem-Bio protection hood available today. The unit protects the user's head and vision from fire and smoke and respiratory system from toxic gases, nerve agents like Sarin and choking agents like Mustard gas. Dons in just seconds.

**The performance and versatility of the VRU+ have made it the protective hood of choice for U.S. government agencies, military, law enforcement, homeland defense, first responders, high-rise building occupants and industrial companies both domestically and overseas.**

### Benefits of the VRU+ are Clear

#### Fast Donning

- Easy to don in 15 seconds or less with little or no training.
- No front or back of the unit to cause confusion – just slips over head.

#### Shields from Heat and Flame

- Kapton hood protects head from flames up to 1800° F and dripping resins up to 390° F.

#### Universal Size

- One-size-fits-all soft, pliable neck seal provides complete head, eye and respiratory Smoke/Chem-Bio protection. Allows room for corrective or protective eyewear with no restrictions.
- May be used on infants by bringing the neck seal around the infant's waist, tucking their arms up inside the hood.

#### No Mouth Piece or Nose Clip

- Provides the all-important ability to communicate to others as well as use cell phones or other electronic devices.
- Victim communication provides medical personnel the most important assessment of a victim's condition, commonly referred to as ABC assessment – Airway, Breathing and Circulation.

### Life-Saving Protection – Fast

*The VRU+ can be donned with little or no training in 15 seconds or less, when seconds can make the difference between life, severe injury or death.*

Step One

**LIFT** pouch cover flap



Step Two

**PULL** VRU+ out of pouch



Step Three

**TEAR** open foil pack



## Benefits Continued...

### Critical Man-Down Capability

- Can be donned easily on an unconscious victim providing immediate oxygen supply and life-saving protection.

### Breathable Air

- Unlike a filter mask which must clean poisonous outside air to make it fit to breathe, the VRU+ delivers life-sustaining aviator grade oxygen.
- Self-contained oxygen supply completely protects the user in an oxygen-deficient environment.
- Cleanliness of breathable air is called Protection Factor. NIOSH requires a Protection Factor of 20, which means the air inside the hood is 20 times cleaner than the air outside. The VRU+ has a Protection Factor of 260, or 13 times better than the NIOSH requirement.

### Designed for Comfort

- Extremely small felt-covered oxygen cylinder is held in place directly under the neck seal to assure comfort. No potentially dangerous protrusions and no adjustments needed.
- At only 2 lbs., the VRU+ is the lightest and most comfortable hood available.
- Thin, flexible, soft-sided pouch is comfortable to wear.

### Long Duration

- Provides up to 60 minutes of protection for rescue vs. other hoods that provide only 30 minutes.

### Ergonomic Design and Pouch Customization

- Thin protective packaging profile allows VRU+ to be concealed and/or easily and comfortably worn on belt or shoulder strap.
- Flat, flame-retardant soft-side pouch virtually eliminates the possibility of tripping on discarded pouch.
- Protective pouches can be customized to fit user requirements – identification color and wording, belt-loop, strap, reflecting striping, other.

### Small Footprint

- Thin profile (7.5" x 9.5" x 2") allows for small cache/storage units.

### 360° Visibility

- Allows complete visibility of escape routes and treacherous objects that could prevent escape.

### Long Life

- Maintenance-free 10-1/2 year life span.



Step Four  
**REMOVE** VRU+



Step Five  
**DON** over head





## SPECIFICATIONS

<b>W”x L”x H”</b>	2 x 9 ½ x 7 ½
<b>WEIGHT</b>	2 LBS. (HOOD IN POUCH)
<b>TIME DURATION</b>	20 MINUTES DEPENDING ON WORKLOAD LEVEL AND PHYSICAL CONDITION. UP TO 60 MINUTES FOR A PERSON SITTING, WAITING TO BE RESCUED.
<b>SOURCE OF BREATHABLE AIR</b>	AVIATOR GRADE COMPRESSED OXYGEN. O <sub>2</sub> CYLINDER, WITH OVERPRESSURE PROTECTION TO PREVENT RUPTURE.
<b>CARBON DIOXIDE CONTROL</b>	PATENTED PASSIVE SCRUBBERS
<b>DONNING TIME</b>	LESS THAN 15 SECONDS
<b>CARBON DIOXIDE (MAX AVERAGE)</b>	4%
<b>OXYGEN (MINIMUM VALUE)</b>	18%
<b>OXYGEN ACTIVATION</b>	SEMI-AUTOMATIC
<b>SHELF LIFE</b>	10-YEARS 6-MONTHS FROM THE DATE OF MANUFACTURE
<b>SIZING/FITTING</b>	FITS 5TH TO 95TH PERCENTILE ADULTS WITHOUT ADJUSTMENT
<b>VISIBILITY</b>	360°
<b>ORAL COMMUNICATION</b>	EFFECTIVE AT 12 FEET
<b>INSIDE HOOD TEMPERATURE</b>	104°F MAX @ 68°F AMBIENT
<b>OPERATING TEMPERATURE RANGE</b>	5° F TO 120° F
<b>STOWAGE TEMPERATURE RANGE</b>	-20° F TO 185° F
<b>CABIN PRESSURE ALTITUDE</b>	8,000 FEET
<b>THERMAL RESISTANCE</b>	RADIANT HEAT - 1.0 BTU/SQ. FT. FOR UP TO 60 SECONDS, DRIPPING THERMOPLASTIC - 390°F, TRANSIENT FLAME - 1800°F FOR 5 SECONDS
<b>PROTECTION FACTOR RATIO (TYPICAL)</b>	260 @ 80 WATTS

**⚠️ WARNING:** THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).