



OptimAir® 6HC PAPR

[Emergency Respiratory Protection
for Health Care Providers]

- Designed specifically for use by ER and other health care providers during Homeland Security situations.
- Continuous air flow meets or exceeds NIOSH standard
- Entire lightweight PAPR weighs under 6 pounds
- Available with Tychem SL Hood or Advantage 3100 Facepiece.
- Tychem SL hood weighs only 8 ounces.
- Hood is compatibly worn with facial hair and glasses
- No fit testing necessary when using hood
- Design allows freedom of movement plus optimum protection
- Tychem SL hood and Advantage 3100 facepiece are comfortable, easy to don and use
- Lithium battery provides 10-year shelf life, 4 hours of wear time
- Approved for High Efficiency, Chlorine, Sulfur Dioxide, Hydrogen Chloride, Hydrogen Fluoride, Hydrogen Sulfide (escape only)
- NIOSH approval TC-23C-2201 with Tychem Hood
- NIOSH approval TC-23C-2209 with Advantage 3100 Facepiece





The OptimAir 6HC PAPR (Health Care Powered Air-Purifying Respirator) from MSA is specifically designed to protect health care professionals from residual Chemical/Biological/Radiological Agents, when they are performing First Responder duties during Homeland Security or terrorist situations.

The system features a lightweight, chemical-resistant Tychem SL Hood and belt-mounted blower with two HC Cartridges. The canisters contain a pleated high-efficiency (P-100) filter to remove aerosols, radionuclides, and solid particulates; and an impregnated activated carbon bed

to adsorb (filter out) gases and vapors. The carbon bed is the same as used in military canisters and is effective against mustard (HD), Sarin (GB), DMMP (a Sarin simulant), HCN, and CK.

The hood, which weighs approximately eight ounces, has a fully adjustable suspension and soft fabric collar for extended-wear comfort. Positive pressure inside the hood keeps contaminants out and eliminates the need for fit testing; so the hood can be worn over eyeglasses, long hair, and beards. Front and rear bibs provide neck-opening protection without restricting arm movement.

A wraparound lens helps to minimize claustrophobia and provides excellent visibility.

The Advantage 3100 facepiece features a wraparound lens combined with a soft, pliable silicone facepiece. The facepiece lens has a scratch resistant coating and has been engineered to be optically correct, giving you superior visibility and peripheral vision. The facepiece features the Advantage harness, which dons like a catcher's mask.

For efficient training and savings on batteries, a rechargeable NiCd battery can be substituted for the lithium battery.

10041550 OptimAir 6HC PAPR with Tychem Hood Includes motor/blower module, lithium battery, hood, breathing tube, belt and 2 HC Cartridges.		10045100 OptimAir 6HC PAPR with Advantage Facepiece Includes motor/blower module, lithium battery, Advantage facepiece, breathing tube, belt and 2 HC Cartridges.	
Replacement Parts and Accessories		Replacement Parts and Accessories	
10042448	HC Cartridges, Pkg. of 6	10042448	HC Cartridges, Pkg. of 6
10048179	Tychem SL Hood	10031342	Advantage 3100 Facepiece
481980	Breathing Tube for Hood	486364	Breathing Tube for Advantage Facepiece
10048180	Single-use lithium battery	10048180	Single-use lithium battery
491120	NiCd Battery for training use	491120	NiCd Battery for training use
463471	Single-Unit Single-Rate Battery Charger for NiCd Battery	463471	Single-Unit Single-Rate Battery Charger for NiCd Battery
10048178	Motor/Blower module	10048178	Motor/Blower module
492827	Polyurethane-coated nylon belt	492827	Polyurethane-coated nylon belt
487995	Flow Check Meter	487995	Flow Check Meter
489999	Adapter for Flow Check Meter for use with Hood	305022	Butyl Hood

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

