

# PAPR

## Powered Air Purifying Respirator

### Quick Specs

#### Filter Type

**High-Efficiency Particulate Air Filter (HEPA)** protects against solid dust particles, metal fumes, and mists

- Stainless steel (hexavalent chromium), galvanized steel (zinc oxide), steel/manganese alloys, aluminum, cadmium and lead fumes

#### OSHA Classification

Loose-fitting powered air purifying respirator (no fit test required)

#### Assigned Protection Factor (APF) 25

#### Certifications

- NIOSH 42 CFR 84 (PAPR system)
- ANSI Z87.1+ 2015 (helmet)



### Designed for Comfort

**Well-balanced design** reduces torque on neck, increasing all-day wear.

**Patent-pending Dualtec™ manifold system** optimizes helmet balance and sound, while **six-point air distribution system** maximizes cooling through targeted air placement.

**Ergonomic headgear** provides secure fit without the need for over-tightening.

**Lightweight low-profile blower assembly with integrated shoulder straps** reduces lower back strain and fatigue.

### Superior Visibility

**ClearLight™ Lens Technology** provides high-definition optics for precision arc recognition.

**Half-shade lens adjustability** provides fine shade adjustment for optimized comfort and vision.

**Shade 5.0 side windows and oversized clear grind shield** maximize downward and peripheral visibility, improving sense of surroundings.

### Improved Productivity

**Enhanced comfort, cooling and visibility** maximize all-day wearability — increasing productivity, safety and regulatory compliance.

**Low-profile breathing-tube attachment** eases on/off process while flexible tube material eliminates breathing tube snags in work cell.

**Two lightweight lithium-ion batteries** included with each system eliminate downtime.



Blower unit is warrantied for one year, parts and labor.  
Auto-darkening lens is warrantied for three years.



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## PAPR Blower Specifications (Subject to change without notice.)

| Filter | Flow Rate                      | Battery Life                                  | Charging Time | Charges | Certification   | Dimensions                                                      | Weight              |
|--------|--------------------------------|-----------------------------------------------|---------------|---------|-----------------|-----------------------------------------------------------------|---------------------|
| HEPA   | Low: ≥197 lpm<br>High: 215 lpm | Low speed: 6–8 hours<br>High speed: 4–5 hours | 3 hours       | 500*    | NIOSH 42 CFR 84 | H: 8 in. (203 mm)<br>W: 8.5 in. (216 mm)<br>D: 3.25 in. (83 mm) | 2.2 lb.<br>(1.0 kg) |

\*500 total charges per battery — two batteries included in each package.

## PAPR Blower Assembly Features

**Lightweight low-profile blower design (2.2 pounds)** extends wearability without interfering with surroundings.

**Integrated shoulder straps** reduce fatigue over long shifts by distributing system weight to alleviate lower back pain.

**Dual air speeds** allow users to adjust the volume of air to maximize comfort in varied work conditions.

**Audible and vibrating alarms** notify users in noisy environments of low battery due to reduced airflow.

**Lightweight lithium-ion battery** provides long battery life (up to eight hours) with no memory retention from frequent charging (three-hour charge cycle). Rated for 500 charges. **Two batteries are included with each system.**



**Complete system includes** blower assembly, HEPA filter, prefilters (6), spark guard, breathing tube, breathing tube cover, padded belt, comfortable shoulder straps, lithium-ion batteries (2), battery charger, flowmeter, tool bag and helmet assembly (T94-R™ or T94i-R™).

**Quick-release belt design** allows for seamless system on/off.

## T94-R™ Series Helmet Specifications (Subject to change without notice.)

| Viewing Area               | Operating Modes (Shades)                             | Light State | Sensors | APF | TIG Rating | Switching Speed | Certifications   |
|----------------------------|------------------------------------------------------|-------------|---------|-----|------------|-----------------|------------------|
| 9 sq. in.<br>(58.1 sq. cm) | Weld (8–13), Cut (5–8),<br>Grind (3), X-Mode™ (8–13) | 3.0         | 4       | 25  | ≥3 amps    | 1/25,000 second | ANSI Z87.1+ 2015 |

**External grind control** allows for seamless transitions from welding to grinding.



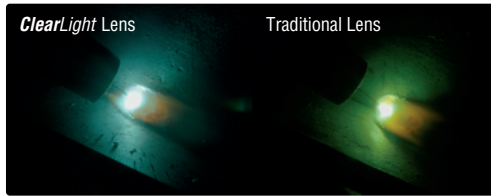
T94-R™

T94i-R™

**Large integrated grind shield** provides 44 sq. in. of clear viewing area for grinding and other tasks.

## T94-R™ Series Helmet Features

**ClearLight™ Lens Technology** provides high-definition optics for precision arc recognition.



**Half-shade settings** for precise lens adjustment.

**Shade 5.0 side windows and oversized clear grind shield** maximize downward and peripheral visibility, improving sense of surroundings.

**Four arc sensors and four modes:** weld, cut, grind and X-Mode™. X-Mode electromagnetically senses the weld to reduce sunlight interference and continuously detects the arc even if sensors are blocked.

**InfoTrack™ 2.0** tracks and displays arc time and arc count.

**Digital controls** easily allow welder to make precise lens adjustments to shade, delay and sensitivity.



**Lightweight well-balanced design** reduces neck torque, minimizing operator fatigue and strain.



**34% BETTER BALANCE** for elevated comfort



**27% LESS TORQUE**  
**55% LESS TORQUE (when weld visor is raised)** for reduced neck strain

*Statistics compare T94i to previous model.*

**Ergonomic four-point flexible headgear design with oversized pivoting back pad** provides a secure fit, while avoiding major pressure points on the head, maximizing all-day wear. Customizable fit with seamless tilt, distance and tightness adjustments.



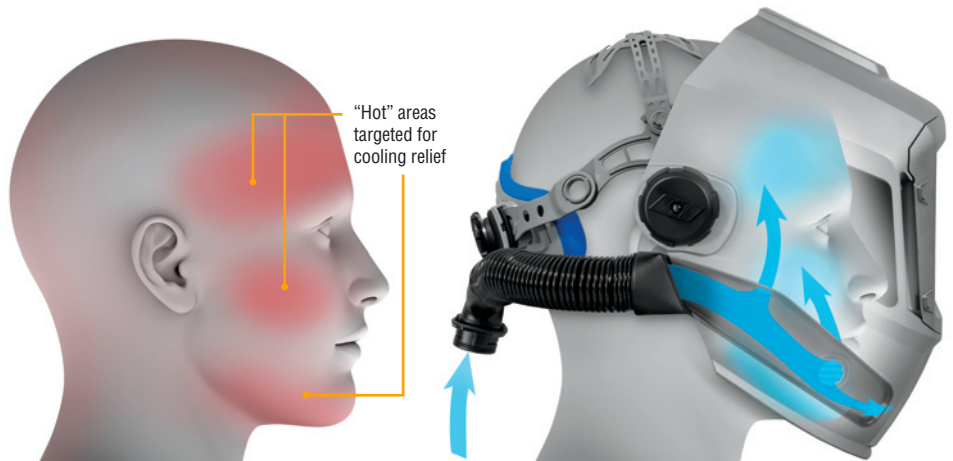
**Flame-retardant washable head seal with ultra-soft outer cuff** enhances wear without causing skin irritation. Unique design can provide additional protection by covering the ears, or ease communication if placed in front of the ears.



## Dualtec™ Manifold System



**Patent-pending Dualtec manifold design with six-point airflow distribution system maximizes cooling through targeted air placement.**



- System targets body's natural thermal regulation system to minimize operator heat stress.
- Six-point airflow distribution system targets "hot" areas within the face for immediate cooling relief, without causing eye and/or nose irritation.
- Adjustable interior vents allow for customized flow depending on user preference.

## Ordering Information

| PAPR and Options                                     | Stock No.        | Description                                                                                                            | Qty. | Price |
|------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|------|-------|
| PAPR with T94-R™ Helmet                              | 264573           | Complete system (external grind control)                                                                               |      |       |
| PAPR with T94i-R™ Helmet                             | 264575           | Complete system (clear integrated grind shield)                                                                        |      |       |
| T94-R™ Helmet Upgrade Kit                            | 279870           | For use with existing PAPR system. Includes T94-R helmet assembly, breathing tube, breathing tube cover and flowmeter  |      |       |
| T94i-R™ Helmet Upgrade Kit                           | 279871           | For use with existing PAPR system. Complete T94i-R helmet assembly, breathing tube, breathing tube cover and flowmeter |      |       |
| <b>Helmet Assembly/Consumables</b>                   |                  |                                                                                                                        |      |       |
| Head Assembly                                        | 260821           | Helmet, headgear, flame-retardant head seal. For T94-R helmet                                                          |      |       |
| (without auto-darkening lens assembly)               | 265305           | Helmet, headgear, flame-retardant head seal. For T94i-R helmet                                                         |      |       |
| Battery, Helmet CR2450                               | 217043           |                                                                                                                        |      |       |
| Cover Lens, Outside, Helmet                          | 265304 / 265304B | 5 pack or 50 pack (bulk)                                                                                               |      |       |
| Cover Lens, Inside, Helmet                           | 216327 / 216327B | 5 pack or 50 pack (bulk)                                                                                               |      |       |
| Grinding Shield                                      | 258979           | For T94i-R helmet                                                                                                      |      |       |
| Grinding Shield Tear-Off                             | 258853           | For T94i-R helmet, 5 pack                                                                                              |      |       |
| <b>Helmet Assembly Replacement Parts/Accessories</b> |                  |                                                                                                                        |      |       |
| ClearLight™ Auto-Darkening Lens                      | 260557           | For T94-R helmet, external grind                                                                                       |      |       |
|                                                      | 259572           | For T94i-R helmet                                                                                                      |      |       |
| Side Window Covers                                   | 260197           |                                                                                                                        |      |       |
| Breathing Tube Assembly                              | 261704           | Without breathing tube cover                                                                                           |      |       |
| Breathing Tube Cover                                 | 265312           | Flame retardant                                                                                                        |      |       |
| Head Seal                                            | 260926           | Flame retardant, APF 25                                                                                                |      |       |
| <b>Blower Assembly/Consumables</b>                   |                  |                                                                                                                        |      |       |
| PAPR Blower Unit                                     | 235672           |                                                                                                                        |      |       |
| Filter, Particulate (HEPA)                           | 235673-2         | 2 pack                                                                                                                 |      |       |
|                                                      | 235673-6         | 6 pack                                                                                                                 |      |       |
|                                                      | 235673-36        | 36 pack                                                                                                                |      |       |
| Filter, Prefilter                                    | 235674           | 6 pack                                                                                                                 |      |       |
| Filter, Prefilter, Nuisance OV Relief                | 268841           | 6 pack                                                                                                                 |      |       |
| Filter Cover                                         | 235677           |                                                                                                                        |      |       |
| Flowmeter                                            | 277222           |                                                                                                                        |      |       |
| Spark Guard                                          | 235676           |                                                                                                                        |      |       |
| Battery, PAPR Blower Unit                            | 282076           |                                                                                                                        |      |       |
| <b>Blower Replacement Parts/Accessories</b>          |                  |                                                                                                                        |      |       |
| Charger, PAPR Blower Unit                            | 282077           | For blower unit battery                                                                                                |      |       |
| Belt                                                 | 235679           |                                                                                                                        |      |       |
|                                                      | 264582           | Leather                                                                                                                |      |       |
| Belt Extension                                       | 244151           | Adds 18-inch length to belt assembly. Use with 235679                                                                  |      |       |
| Shoulder Straps                                      | 235680           |                                                                                                                        |      |       |
| Tool Bag                                             | 228028           |                                                                                                                        |      |       |

Date:

Total Quoted Price:

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