

# 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 **6-point air distribution system** maximizes perceived 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 advanced high-definition optics for precise 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 warranted for one year, parts and labor.  
Auto-darkening lens is warranted 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 High: 215 lpm	Low speed: 6–8 hours High speed: 4–5 hours	3 hours	500*	NIOSH 42 CFR 84	H: 8 in. (203 mm) W: 8.5 in. (216 mm) D: 3.25 in. (83 mm)	2.2 lb. (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. (58.1 sq. cm)	Weld (8–13), Cut (5–8), Grind (3), X-Mode™ (8–13)	3.0	4	25	≥3 amps	1/20,000 second	ANSI Z87.1+ 2015

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



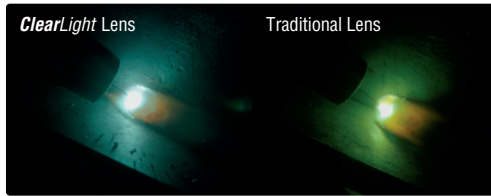
T94-R™

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 advanced high-definition optics for precise 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.*

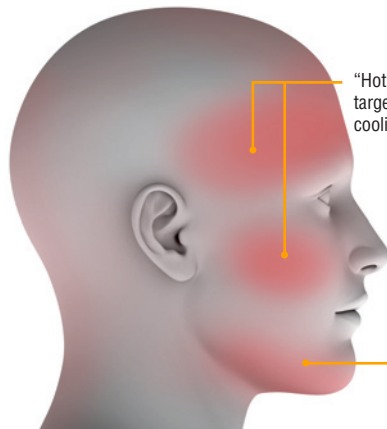
**Ergonomic four-point flexible headgear design with oversized pivoting back pad** provides a secure fit, while avoiding major pressure points on the head, maximizing all-day wear. Customizable fit with seamless tilt, distance and tightness adjustments.



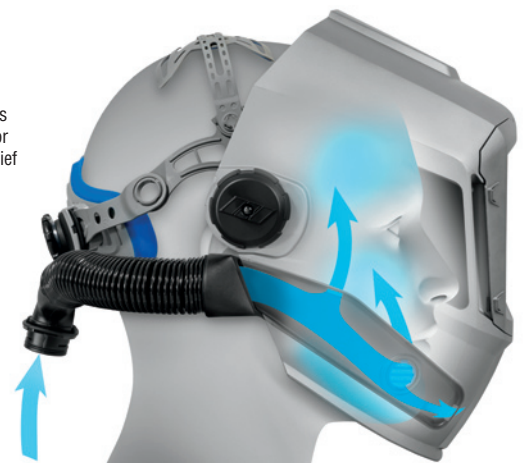
**Flame-retardant washable head seal with ultra-soft outer cuff** enhances wear without causing skin irritation. Unique design can provide additional protection by covering the ears, or ease communication if placed in front of the ears.



## Dualtec™ Manifold System



"Hot" areas targeted for cooling relief



**Patent-pending Dualtec manifold design with 6-point airflow distribution system** maximizes perceived cooling through targeted air placement.

- System targets body's natural thermal regulation system to minimize operator heat stress.
- 6-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 (without auto-darkening lens assembly)	260821 265305	Helmet, headgear, flame-retardant head seal. For T94-R helmet 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		
<b>Helmet Assembly Replacement Parts/Accessories</b>				
ClearLight™ Auto-Darkening Lens	260557 259572	For T94-R helmet, external grind 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 235673-6 235673-36	2 pack 6 pack 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:

Distributed by:

