

# PAPR

## Powered Air Purifying Respirator

### Quick Specs

#### Filter Type

**High-Efficiency Particulate Air Filter (HEPA)** protects against hazardous 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 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** optimizes contrast and clarity in light and welding states, easing eye strain.

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

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

### 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 Low	Flow Rate High	Battery Life	Charging Time	Charges	Alarms	Suspension	Certification	Dimensions	Weight
HE	≥197 lpm (liters per minute)	215 lpm	Low speed: 6–8 hours High speed: 4–5 hours	3 hours	500	Audible and vibration	Belt and shoulder straps	NIOSH 42 CFR Part 84	H: 8 in. (203 mm) W: 8.5 in. (216 mm) D: 3.25 in. (83 mm)	Blower: 2.2 lb. (1.0 kg)

## 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)	Sensors	Battery Life	TIG Rating	Switching Speed	Certification
9 sq. in. (58 sq. cm)	Weld (8–13), Cut (5–8), Grind (3), X-Mode™ (8–13)	4	1,200 hours	≥3 amps	1/20,000 second	ANSI Z87.1+ 2015

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



**Industry's largest integrated grind shield** provides 44 square inches of clear viewing area for grinding and other tasks, increasing helmet-on time, decreasing the potential for eye injuries.

## T94-R™ Series Helmet Features

**Lightweight well-balanced design** reduces neck torque, minimizing operator fatigue and strain leading to an increase in comfort as well as long-term health benefits.



**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-resistant 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. Cape offers necessary head protection in out-of-position applications.

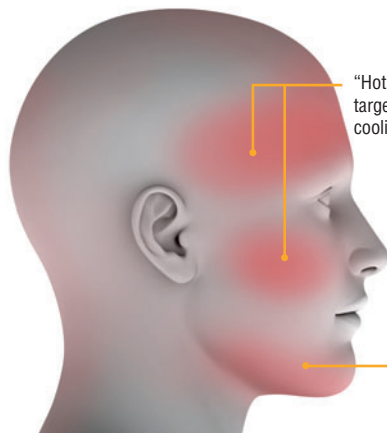


**ClearLight™ lens technology** optimizes contrast and clarity in welding and light states, while providing a brighter light state to increase helmet-on time for non-welding tasks, enhancing visibility and reducing eye strain.

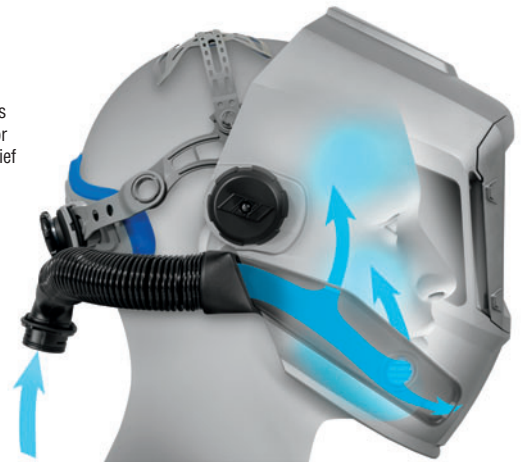
**Four lens operating modes** provide versatility for various welding, cutting and grinding applications.

- X-Mode™ senses the arc's electromagnetic field rather than arc rays to darken the lens — ideal for outdoor low-amp TIG and obstructed-view applications
- Half-shade settings for precise lens adjustment
- Infotrack™ 2.0 allows for monitoring of arc time and arc count
- Simplistic digital lens interface allows for easy adjustment with or without gloves

## 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 (Order from Miller Service Parts.)

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)		
PAPR with Hard Hat	259385	Complete system with Titanium 9400™ helmet		
	261659	Complete system with Titanium 9400i™ helmet		
PAPR Blower Unit	235672			
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>Consumables</b>				
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		
Spark Guard	235676			
Battery, PAPR	244131	For blower unit		
Battery, Helmet CR2450	217043	For T94-R Series and Titanium Series helmets		
Helmet Cover Lens, Outside	265304 / 265304B	5 pack or 50 pack (bulk). For T94-R Series helmets		
	216326 / 216326B	5 pack or 50 pack (bulk). For Titanium Series helmets		
Helmet Cover Lens, Inside	216327 / 216327B	5 pack or 50 pack (bulk). For T94-R Series and Titanium Series helmets		
Grinding Shield	258979	For T94i-R helmet		
	245818	For Titanium 9400i helmet		
<b>Replacement Parts/Accessories</b>				
Head Assembly (without auto-darkening lens assembly)	260821	For T94-R model (helmet shell, head seal, premium headgear)		
	265305	For T94i-R model (helmet shell, head seal, premium headgear)		
	259387	For hard hat model (hard hat, head seal, headgear)		
Auto-Darkening Lens	260557	For T94-R model, external grind		
	259572	For T94i-R model		
Breathing Tube Assembly (without breathing tube cover)	261704	For T94-R and T94i-R models		
	259392	For hard hat model		
Breathing Tube Cover, Flame-resistant	265312	For T94-R and T94i-R models		
	239571	For hard hat model		
Filter Cover	235677			
Charger	244132			
Belt	235679	Flame-resistant cotton		
	264582	Leather		
Belt Extension	244151	For flame-resistant cotton belt only. Adds 18-inch length to belt assembly		
Shoulder Straps	235680			
Flowmeter	277222	For T94-R and T94i-R models		
	260890	For hard hat model		
Tool Bag	228028			

Date:

Total Quoted Price:

Distributed by:

