

PAPR II

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 with standard head seal
1,000 with optional heavy-duty head seal (face shield and T94iH-R with hard hat models only)

Certifications

- NIOSH 42 CFR 84 (PAPR system)
- ANSI Z87.1+ 2015 (face shield/helmet assemblies)
- ANSI/ISEA Z89.1, CSA Z94.1 (hard hat)

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



Available with the following head assemblies



Face Shield

T94-R™

T94i-R™

T94i-R™ XL

T94iH-R™ with Hard Hat



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



Miller Electric Mfg. LLC
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

MillerWelds.com




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

Filter	Flow Rate	Battery Life	Charging Time	Charges	Certification	Dimensions	Weight
HEPA	Low: 175+ lpm Med.: 195+ lpm High: 215 lpm	Low speed: 10 hours Med. speed: 9 hours High speed: 8 hours	3 hours	500*	NIOSH 42 CFR 84	H: 8.25 in. (210 mm) W: 7 in. (178 mm) D: 3.25 in. (83 mm)	3 lb. (1.4 kg)

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

PAPR II Blower Assembly Features



LCD display allows users to see fan speed, filter timer, battery level and current time.

Filter timer tracks how many hours of use the filter has.

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

Integrated three-point backpack-style shoulder straps enhance comfort, reduce fatigue over long shifts by distributing system weight to alleviate back pain.

Three air speeds allow users to customize the volume of air to maximize comfort in varied work conditions.

Audible and vibrating alarms notify users in noisy environments of low battery or reduced airflow.

Lightweight lithium-ion battery provides long battery life (up to 10 hours) with no memory retention from frequent charging (three-hour charge cycle). Rated for 500 charges. **Two batteries are included with each system.**

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

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

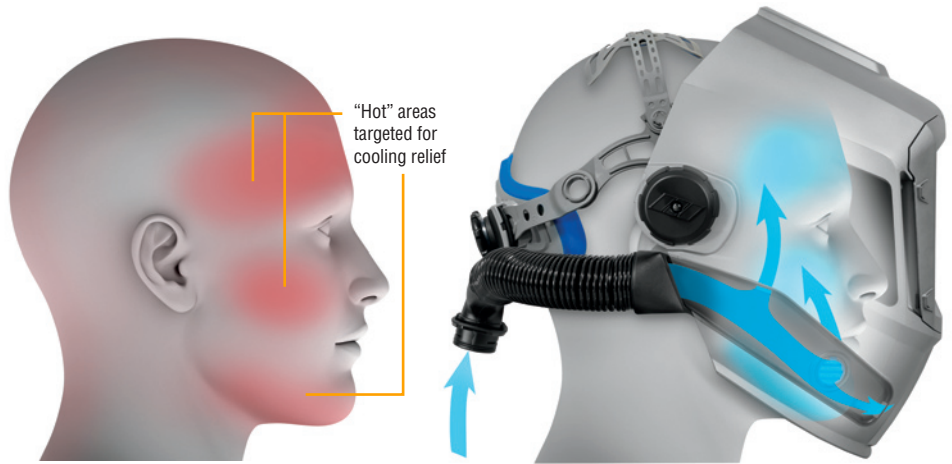


Complete system includes

- 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
- Face shield head assembly with clear shield, or T94-R™, T94i-R™, T94i-R™ XL or T94iH-R™ helmet assembly

Complete system with T94-R™ helmet assembly shown.

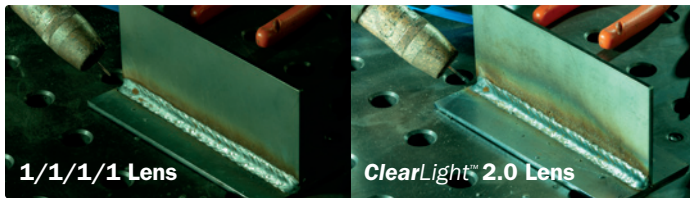
Dualtec™ Manifold System



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

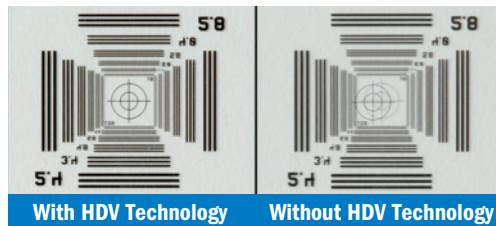
- System targets body's natural thermal regulation system to minimize operator heat stress.
- Six-point airflow distribution system targets "hot" areas within the face for immediate cooling relief, without causing eye and/or nose irritation.
- Adjustable interior vents allow for customized flow depending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

Helmet Lens Features



ClearLight™ 2.0 Lens Technology provides two times the clarity compared to 1/1/1/1 lenses for a more detailed view before, during and after every weld. As determined by ANSI Z87.1-9.2 luminous transmittance test comparing leading 1/1/1/1 lenses.

HDV Technology for a sharp detailed view at any angle with minimal distortion. This is found in the cover lens and the grind shield.



Quick-release one-piece cover lens simplifies lens changes, reducing downtime.

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

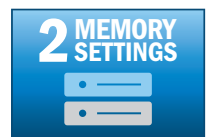
Four arc sensors and four modes: weld, cut, grind and X-Mode™. X-Mode electromagnetically senses the weld to reduce sunlight interference and continuously detects the arc even if sensors are blocked.

Memory function for easy switching between two preset customized memory settings.

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.

Rotatable lens (T94i-R™ XL only) allows operators to position for maximum field of view.



Face Shield Features



Lightweight well-balanced design reduces neck torque, minimizing operator fatigue and strain leading to an increase in comfort.



HDV Technology for a sharp detailed view at any angle with minimal distortion.



Flame-retardant washable standard 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.



Standard head seal

Optional heavy-duty head seal provides additional protection with an APF of 1,000.



Optional heavy-duty head seal



Ergonomic one-touch flexible headgear design provides customizable secure fit and enhanced comfort.

Grind Shield Viewing Area	75 sq. in. (483.9 sq. cm)
APF	25 (standard head seal) 1,000 (optional HD head seal)
Modes (Shades)	Grind (Clear, 3, or 5)

T94-R™ Helmet Features



Lightweight well-balanced design reduces neck torque, minimizing operator fatigue and strain leading to an increase in comfort.



External grind control. Allows for seamless transitions from welding to grinding.



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 standard 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.

Shade 5.0 side windows enhance downward and peripheral vision, improving sense of surroundings.

Weld Viewing Area	9 sq. in. (58.1 sq. cm)
Grind Shield Viewing Area	9 sq. in. (58.1 sq. cm)
APF	25
Modes (Shades)	Weld (8-13) Cut (5-8) Grind (3) X-Mode™ (8-13)

T94i-R™ Helmet Features



Weld Viewing Area	9 sq. in. (58.1 sq. cm)
Grind Shield Viewing Area	44 sq. in. (283.9 sq. cm)
APF	25
Modes (Shades)	Weld (8–13) Cut (5–8) Grind (3) X-Mode™ (8–13)

Lightweight well-balanced design reduces neck torque, minimizing operator fatigue and strain leading to an increase in comfort.



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.

Shade 5.0 side windows and oversized clear HDV grind shield maximize downward and peripheral vision, amplifying sense of surroundings.

Large integrated grind shield with HDV provides 44 sq. in. of clear viewing area for grinding and other tasks, increasing helmet-on time and decreasing the potential for eye injuries. HDV technology provides a sharp detailed view at any angle with minimal distortion.



Flame-retardant washable standard 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.

T94i-R™ XL Helmet Features



Weld Viewing Area	13 sq. in. (83.9 sq. cm)
Grind Shield Viewing Area	44 sq. in. (283.9 sq. cm)
APF	25
Modes (Shades)	Weld (8–14) Cut (5–8) Grind (3) X-Mode™ (8–14)

Lightweight well-balanced design reduces neck torque, minimizing operator fatigue and strain leading to an increase in comfort.



13 sq. in. viewing area provides the largest viewing area for maximum visibility.



Rotatable lens allows operators to position for maximum field of view.



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.



Shade 5.0 side windows and oversized clear HDV grind shield maximize downward and peripheral vision, amplifying sense of surroundings.

Large integrated grind shield with HDV provides 44 sq. in. of clear viewing area for grinding and other tasks, increasing helmet-on time and decreasing the potential for eye injuries. HDV technology provides a sharp detailed view at any angle with minimal distortion.



Flame-retardant washable standard 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.

T94iH-R™ Helmet Features



PAPR II with Hard Hat includes MSA V-Gard® hard hat.

Lightweight well-balanced design reduces neck torque, minimizing operator fatigue and strain leading to an increase in comfort.



MSA Fas-Trac® III ratchet-suspension headgear provides exceptional comfort, reducing pressure points while increasing stability.



Shade 5.0 side windows and oversized clear HDV grind shield maximize downward and peripheral vision, amplifying sense of surroundings.

Large integrated grind shield with HDV provides 44 sq. in. of clear viewing area for grinding and other tasks, increasing helmet-on time and decreasing the potential for eye injuries. HDV technology provides a sharp detailed view at any angle with minimal distortion.



Flame-retardant washable standard 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.



Standard head seal

Optional heavy-duty head seal provides additional protection with an APF of 1,000.



Optional heavy-duty head seal

Lift-to-talk head assembly improves communication by allowing operator access to face without removal of the head assembly.



Lift-to-talk head assembly

Weld Viewing Area	9 sq. in. (58.1 sq. cm)
Grind Shield Viewing Area	44 sq. in. (283.9 sq. cm)
APF	25 (standard head seal)
	1,000 (optional HD head seal)
Modes (Shades)	Weld (8–13)
	Cut (5–8)
	Grind (3)
	X-Mode™ (8–13)

Ordering Information

Systems and Head Equipment	Stock No.	Description	Qty.	Price
PAPR II with Face Shield	288356	Complete system		
Face Shield Head Assembly/Consumables				
Head Assembly	288353	Head assembly with clear lens		
Lens	288348	Clear		
	288349	Shade 3		
	288350	Shade 5		
Face Shield Replacement Parts/Accessories				
Headgear (Gen. 5)	288343			
Standard Head Seal	288344	Flame retardant, APF 25		
Heavy-Duty Head Seal	288346	Flame retardant, APF 1,000		
PAPR II with T94-R™ Helmet	292753	Complete system (with external grind control)		
T94-R Helmet Assembly/Consumables				
Head Assembly (without auto-darkening lens assembly)	260821	Helmet, headgear, flame-retardant head seal		
Battery, Helmet CR2450	217043			
Cover Lens Assembly HDV, Front	287016 / 287016B	5 pack or 50 pack (bulk)		
Cover Lens, Inside, Helmet	216327 / 216327B	5 pack or 50 pack (bulk)		
T94-R Replacement Parts/Accessories				
<i>ClearLight™</i> 2.0 Auto-Darkening Lens	289871	External grind		
Side Window Covers	260197			
Head Seal	260926	Flame retardant, APF 25		
PAPR II with T94i-R™ Helmet	292754	Complete system (with clear integrated grind shield)		
PAPR II with T94i-R™ XL Helmet	292755	Complete system (with clear integrated grind shield)		
T94i-R/T94i-R XL Helmet Assembly/Consumables				
Head Assembly (without auto-darkening lens assembly)	293047 293048	For T94i-R. Helmet, headgear, flame-retardant head seal For T94i-R XL. Helmet, headgear, flame-retardant head seal		
Battery, Helmet CR2450	217043			
Cover Lens Assembly HDV, Front	287016 / 287016B	5 pack or 50 pack (bulk)		
Cover Lens, Inside, Helmet	216327 / 216327B 287777 / 287777B	For T94i-R. 5 pack or 50 pack (bulk) For T94i-R XL. 5 pack or 50 pack (bulk)		
Grinding Shield HDV, Snap Lock	288765			
Grinding Shield Tear-Off	258853	5 pack		
T94i-R/T94i-R XL Replacement Parts/Accessories				
<i>ClearLight™</i> 2.0 Auto-Darkening Lens	289874 287778	For T94i-R For T94i-R XL		
Side Window Covers	260197			
Head Seal	260926	Flame retardant, APF 25		
PAPR II with Hard Hat and T94iH-R™ Helmet	287510	Complete system (with clear integrated grind shield)		
T94iH-R Helmet Assembly/Consumables				
Head Assembly (without auto-darkening lens assembly)	287191	Helmet, headgear, standard flame-retardant head seal		
Battery, Helmet CR2450	217043			
Cover Lens Assembly HDV, Front	287016 / 287016B	5 pack or 50 pack (bulk)		
Cover Lens, Inside, Helmet	216327 / 216327B	5 pack or 50 pack (bulk)		
Grinding Shield HDV, Snap Lock	288765			
Grinding Shield Tear-Off	258853	5 pack		
T94iH-R Replacement Parts/Accessories				
<i>ClearLight™</i> 2.0 Auto-Darkening Lens	289874			
Side Window Covers	260197			
Standard Head Seal	287187	Flame retardant, APF 25		
Heavy-Duty Head Seal	287188	Flame retardant, APF 1,000		

Date:

Total Quoted Price:

Ordering Information

Breathing Tube and Blower Assembly Equipment

	Stock No.	Description	Qty.	Price
Breathing Tube				
Breathing Tube Assembly	261704	Without breathing tube cover		
Breathing Tube Cover	265312	Flame retardant		
Blower Assembly/Consumables				
PAPR II Blower Unit	287172			
Filter, Particulate (HEPA)	287170-2	2 pack		
	287170-6	6 pack		
	287170-36	36 pack		
Filter, Prefilter	235674	6 pack		
Filter, Prefilter, Nuisance OV Relief	268841	6 pack		
Filter Cover	287175			
Flowmeter	277222			
Spark Guard	235676			
Battery, PAPR II Blower Unit	287178			
Blower Replacement Parts/Accessories				
Charger, PAPR Blower Unit	282077	For PAPR II blower unit battery		
Belt	287176			
	264582	Leather		
Belt Extension	244151	Adds 18-inch length to belt assembly — use with 287176		
Belt Pad	288941			
Shoulder Straps	287177			
Tool Bag	228028			

Date:

Total Quoted Price:

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