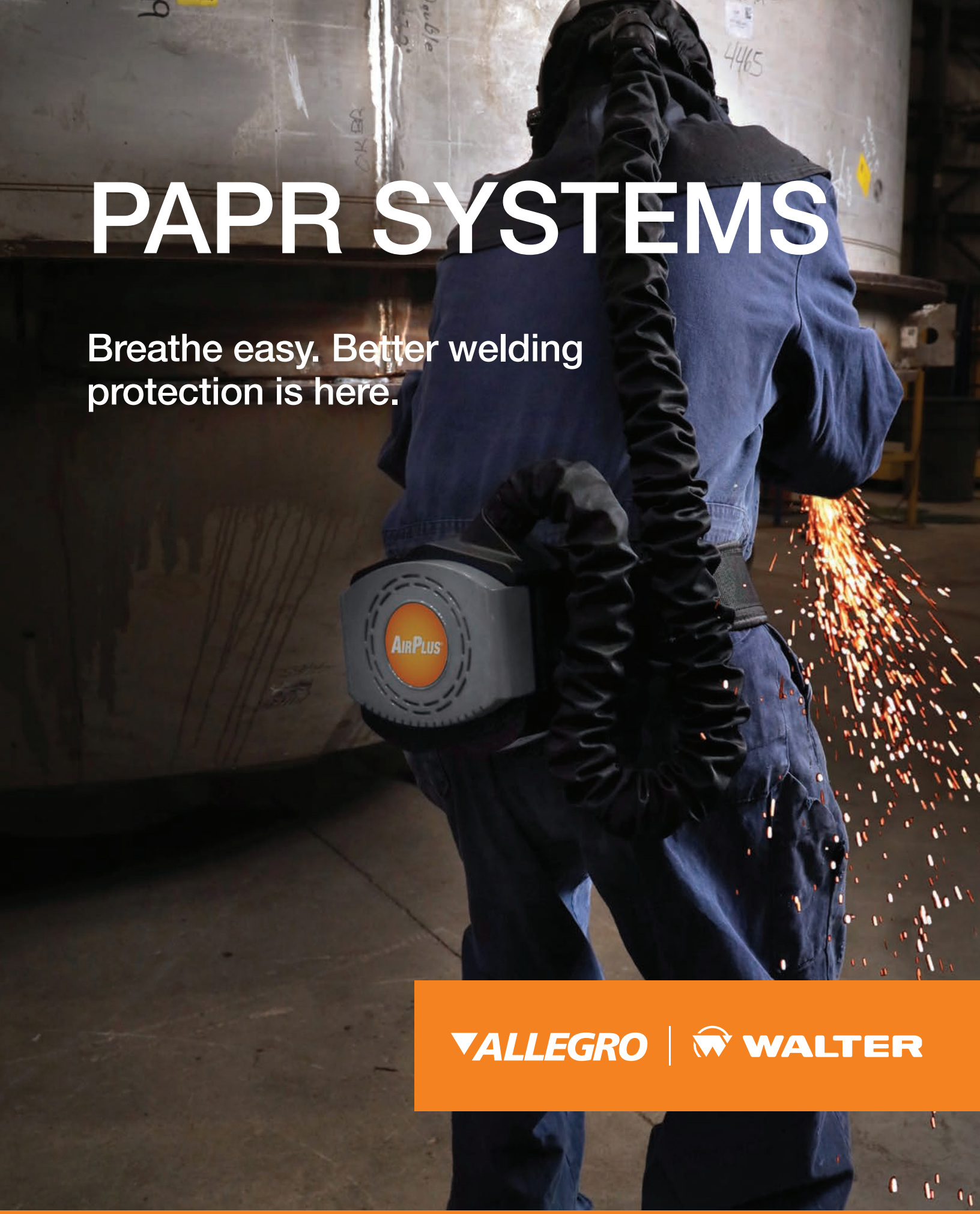
PAPR SYSTEMS

Breathe easy. Better welding protection is here.



ALLEGRO | WALTER

walter.com

PAPR SYTEMS
GRINDING AND WELDING

Every work environment is different. That's why WALTER offers the most comprehensive line of PAPR systems in the market. There are several headtops to choose from and build the perfect PAPR system to meet your job site needs.

GRINDING & WELDING

EZ AIR FLEX

EZ AIR GRINDING/ WELDING

EZ AIR ECONOMY

EZ AIR DELUXE

AIRSHIELD®

AIRSHIELD® FLIP FRONT

VISION® X81VX

VISION® BFFVX

APF 25

WELDING PERFORMANCE

COMPATIBLE WITH ALLEGRO EZ AIR BLOWER

WELDING PERFORMANCE

COMPATIBLE WITH WALTER AIRPLUS®

FILTER TYPE:
High-efficiency particulate air filter (HEPA) for EZ AIR and AIRPLUS will protect against:

- ***Hazardous solid dust particles, metal fumes, and mists***
- ***Stainless steel (hexavalent chromium), galvanized steel (Zinc oxide), steel/ manganese alloys, cadmium, and lead fumes***

AIRPLUS® COMPONENT	TYPICAL REPLACEMENT CADENCE	NOTES
Pre-filter	Once a week	Regular replacement of the pre-filter extends the life of the HE particulate filter, saving on consumable costs.
HEPA P3 Filter	At least every month	Do daily checks with airflow indicator and replace when airflow indicator falls below the minimum flow line.
Spark Arrestor	As needed	Replace if deformed and no longer fitting well.

HEAVY-DUTY GRINDING AND WELDING

For heavy-duty grinding, welding, and high-altitude work where clean air and endurance matter most, the PEAKAIR™ PAPR system has you covered. Compatible with four versatile headtops, the system adapts to your needs. The DEFENDER™ models feature integrated hard hats for added protection, eliminating the need to layer additional headgear. This saves time, reduces bulk, and ensures ANSI and CSA compliance without compromise. The MAXSHIELD™ models are ideal when a hard hat isn't required, offering a lightweight, wide-view design that keeps workers comfortable, reduces bulk, and delivers the same high level of respiratory protection.

HEAVY-DUTY GRINDING & WELDING

HARD HAT REQUIREMENTS | **HARD HAT REQUIREMENTS**

MAXSHIELD®

DEFENDER

MAXSHIELD®
FLIP FRONT

DEFENDER
FLIP FRPNT

APF 25

HIGH-ALTITUDE

GRINDING → **WELDING**

COMPATIBLE WITH WALTER PEAKAIR®

NEW

The PEAKAIR™ battery-powered blower is designed and optimized for high-altitude environments. up to 8,500 ft

- ▷ ***Optimized blower speed for thin air***
- ▷ ***Intelligent sensors automatically adjust airflow***
- ▷ ***USB-C rechargeable battery fully charges in 4 hours and provides up to 14 hours of runtime on low speed***

AP-FIL-06-4

FILTER TYPE:

High Efficiency Particulate Filter (HEPA) for PEAKAIR protects against:

- ▷ ***All types of particulates such as Hazardous dust particles, metal fumes and mists, as well as hexavalent chromium, zinc oxide and lead fumes***
- ▷ ***The filter separates 99.997% of the pollution in the air***

PEAKAIR® COMPONENT	TYPICAL REPLACEMENT CADENCE	NOTES
Pre-filter	Once a week	Extend the life of the HEPA filter by capturing larger particles that clog the filter.
HE Filter	At least every month	Easily removable parts allow simple cleaning, maintenance and replacement.
Spark Arrestor	As needed	Helps prevent sparks and other hot particles from damaging the HEPA filter.

PAPR SYSTEMS
HEAVY-DUTY GRINDING AND WELDING

When it comes to exposure to hazardous fumes and particles, respiratory safety should be every worker's priority. A Powered Air-Purifying Respirator (PAPR) system can protect metalworkers and welders by filtering out dangerous particles. These units provide higher levels of respiratory protection compared to half-face respirators or disposable masks.

Features

- ***High Altitude Capacity up to 8500ft***
- ***High-capacity battery allows up to two full work shifts; reduces downtime***
- ***Full charge in 4 hours***
- ***3-phase alarm system for increased user awareness***
- ***Flexible breathing tube reduces torque on neck and increases mobility***

PEAKAIR® blower model also includes a spark arrestor and pre-filter

HIGH ALTITUDE SYSTEM SPECIFICATIONS

Blower Unit	
Type	Flow Control with Altitude Sensor
Motor speed	6,000-10,000 RPM
Air supply (min/max)	170 LPM/260 LPM (6/9.5 CFM)
Case	Impact-Proof ABS
Filter cartridge	Single plug-in
Filter	HEPA
Expandable breathing tube	31.5 in to 63 in
Pre-filter	Yes
Spark arrestor	Yes

Battery	
Type	Lithium-ion
Voltage	7.4 V
Operating time	14 hours at minimum fan speed
Charging time	4 hours
Charging cycles	500

Charger	
Type	DC rectifier
Voltage	120 V / 60 Hz
Output current	8.4 V, 1500 mA
Approvals	UL

PAPR SYSTEMS
HEAVY-DUTY GRINDING AND WELDING

Our extensive line of accessible grinding and welding respiratory products provide workers with better comfort, less fatigue, and improved productivity. The WALTER PEAKAIR® PAPR systems are intended for heavy duty applications, hard hat requirements, chemical fumes, and high altitude environments. All WALTER models also come with a spark arrestor and pre-filter for added safety.

PEAKAIR® SYSTEM COMPONENTS

1

CHOOSE A GRINDING OR WELDING HEADTOP

	MAXSHIELD®	MAXSHIELD® FLIP FRONT	DEFENDER	DEFENDER FLIP-FRONT
	For grinding	For welding	For grinding, with hard hat for added protection	For welding, with hard hat for added protection
Order No.	**AP-MAX-SH**	**AP-MAX-SH-F**	**AP-DEF-HH**	**AP-DEF-HH-F**
Viewing Area (square inches)	70	12.73	70	12.73
HD Technology	N/A	✓	N/A	✓
Light Shade	N/A	3	N/A	3
Dark Shade	N/A	5-14	N/A	5-14
Shade Lock	N/A	✓	N/A	✓
Variable Sensitivity	N/A	✓*	N/A	✓*
Variable Delay	N/A	✓	N/A	✓
X-Tig Mode	N/A	✓	N/A	✓
Cut & Grind Mode	N/A	✓	N/A	✓
TIG Rating	N/A	1	N/A	1
Arc Sensors	N/A	6	N/A	6
Digital	N/A	✓	N/A	✓
Solar power	N/A	Solar + USB-C	N/A	Solar + USB-C
PAPR Kit Order No.	**AP1K-M-SH**	**AP1K-M-X90VX**	**AP1K-D-HH**	**AP1K-D-X90VX**

** Variable Delay with Track Mode and 2-step*

2

ADD BLOWER ASSEMBLY

3

REPLACEMENT HEPA FILTER

PEAKAIR® SYSTEMS

Order No.	Description
AP-PEAKAIR®	PEAKAIR® Powered Air-Purifying System includes Battery, Battery Charger, Waist Belt, Flexible Breathing Tube and Flame-Retardant Cover, Airflow Indicator, Powered Respirator with HEPA filter, Spark Arrestor (2) and Pre-Filter (2).

PEAKAIR® HEPA filter

PEAKAIR® PARTS AND ACCESSORIES

Order No.	Description
AP-BAT-03	PEAKAIR® Battery (USB-C)
AP-CHG-03	PEAKAIR® Battery charger (USB-C)
AP-FIL-06-4	PEAKAIR® HEPA Filter (4-Pack)
AP-FIL-06-12	PEAKAIR® HEPA Filter (12-Pack)
AP-FIL-05-10	PEAKAIR® Pre-Filter (10 pack)
AP-WBT-02	PEAKAIR® Heavy-Duty Leather Waist Belt (52.9")
AP-AFI-01	PEAKAIR® AirfLow Indicator
AP-SA-02-2	PEAKAIR® Spark Arrestor (2-pack)
AP-WBTSP-01	PEAKAIR® Waist Belt with Suspender
CA-CAC-02	Duffle Bag

THE PEAKAIR® SYSTEM

Number	Description	Part Number
1	Face Seal	DEFENDER AP-HFS-04 MAXSHIELD® AP-HFS-05
2	Breathing tube & fire retardant cover Fire retardant cover replacement (cover only)	AP-BTC-04 AP-BT3-FR
3	Flame-retardant waistbelt with suspenders	AP-WBTSP-01
4	Battery charger with universal plugs (USB-C)	AP-CHG-03
5	Heavy-duty lithium-ion 6-cell battery (USB-C)	AP-BAT-03
6	PEAKAIR blower unit	AP-BLW-PA
7	HEPA filter	AP-FIL-06-4 (Pack of 4) AP-FIL-06-12 (Pack of 12)
8	Pre-filter (10 pack)	AP-FIL-05-10
9	Spark arrestor (2 pack)	AP-SA-02-2
10	Airflow indicator	AP-AFI-01

PAPR SYSTEMS
GRINDING AND WELDING

When it comes to exposure to hazardous fumes and particles, respiratory safety should be every worker's priority. A Powered Air-Purifying Respirator (PAPR) system can protect metalworkers, welders, and MRO professionals by filtering out dangerous particles. These units provide higher levels of respiratory protection compared to half-face respirators or disposable masks. Discover the AIRPLUS® and EZ-AIR systems by WALTER and ALLEGRO.

Features

- ***High-capacity battery allows up to two full work shifts; reduces downtime***
- ***Full charge in 6 hours***
- ***3-phase alarm system for increased user awareness***
- ***Flexible breathing tube reduces torque on neck and increases mobility***

AIRPLUS® blower model also includes a spark arrestor and pre-filter

BASIC SYSTEM SPECIFICATIONS

Blower Unit	
Type	Flow Control
Motor speed	6,000-10,000 RPM
Air supply (min/max)	170 LPM/260 LPM (6/9.5 CFM)
Case	Impact-Proof ABS
Filter cartridge	Single plug-in
Filter	HEPA
Expandable breathing tube	31.5 in to 63 in
Pre-filter	Yes
Spark arrestor	Yes

Battery	
Type	Lithium-ion
Voltage	7.4 V
Operating time	14 hours at minimum fan speed
Charging time	6 hours
Charging cycles	500

Charger	
Type	DC rectifier
Voltage	120 V / 60 Hz
Output current	8.4 V, 1500 mA
Approvals	UL

PAPR SYSTEMS
GRINDING AND WELDING

Our extensive line of high-quality grinding and welding products provide workers with better comfort, less fatigue, and improve productivity. ALLEGRO EZ Air PAPRs are intended for industrial applications where respiratory, eye, and face protection are required.

EZ AIR PAPR SYSTEM COMPONENTS

1

CHOOSE A GRINDING OR WELDING HEADTOP

	For grinding applications	For grinding and welding applications	For grinding and welding applications	For grinding and welding applications
Order No.	**9937-BHTG**	**9937-BHTWADF**	**9935-BHTX54V**	**9935-BHTX81V**
Viewing Area (square inches)	41.2	7.28	7.25	12.6
HD Technology	N/A	N/A	✓	✓
Light Shade	N/A	3	4	3
Dark Shade	N/A	5/7/9-13	5-14	5-14
Variable Sensitivity	N/A	✓	✓	✓
Variable Delay	N/A	✓	✓	✓
X-Tig Mode	N/A	N/A	N/A	✓
Cut & Grind Mode	N/A	✓	Grind mode only	Grind mode only
TIG Rating	N/A	5	5	3
Arc Sensors	N/A	4	4	5
Digital	N/A	✓	✓	✓
Solar power	N/A	✓	✓	✓
PAPR Kit Order No.	**9937-G**	**9937-WADF***	**9935**	**9935-DLX**

** Solar and battery-powered (CR2450)*

2

ADD BLOWER ASSEMBLY

3

REPLACEMENT HEPA FILTER

EZ AIR PAPR SYSTEMS

Order No.	Description
9935-BLW	EZ AIR® Powered Air-Purifying System includes Battery, Battery Charger, Waist Belt, Flexible Breathing Tube and Flame-Retardant Cover, Airflow Indicator, Powered Respirator with HEPA filter.

9935-FIL
Replacement (HEPA)

EZ AIR PAPR SYSTEM PARTS AND ACCESSORIES

Order No.	Description
9933-BAT	EZ AIR Battery
9935-BLW-02	EZ AIR Blower Unit (includes one P3 Filter)
9933-CHG	EZ AIR Battery Charger
9935-FIL	EZ AIR HEPA Filter (1-Pack)
9935-PREFIL-10	EZ AIR Pre-Filter (10 pack)
9935-WBT	EZ AIR Waist Belt (34.5”)
9935-AIF	EZ AIR AirfLow Indicator
9935-SPARK-2	EZ AIR Spark Arrestor (2-pack)
9935-BAG	Duffle Bag

9935-BLW
(Shown disassembled)
Includes downtube w/ FR cover, battery, charger, belt, flow tester, HEPA filter, and storage bag

THE EZ AIR SYSTEM

Number	Description	Part Number
1	Face Seal	9935-HFS
2	Airduct assembly with headgear	9935-HGAD
3	Breathing tube & fire retardant cover Fire retardant cover replacement (cover only)	9935-BT 9935-BTFR
4	Flame-retardant waistbelt	9935-WBT
5	Battery charger with universal plugs	9933-CHG
6	Heavy-duty lithium-ion 6-cell battery	9933-BAT
7	EZ AIR blower unit	9935-BLW-02
8	HEPA filter	9935-FIL
9	Pre-filter (10 pack)	9935-PREFIL-10
10	Spark arrestor (2 pack)	9935-SPARK-2
11	Airflow indicator	9935-AIF

PAPR SYSTEMS
GRINDING AND WELDING

Our extensive line of accessible grinding and welding respiratory products provide workers with better comfort, less fatigue, and improved productivity. The WALTER AIRPLUS® PAPR systems are intended for entry-level industrial welding and grinding applications where respiratory, eye, and face protection are required. All WALTER models also come with a spark arrestor and pre-filter for added safety.

AIRPLUS® SYSTEM COMPONENTS

1

CHOOSE A GRINDING OR WELDING HEADTOP

	AIRSHIELD®	AIRSHIELD® FLIP FRONT	VISION® with X81VX	VISION® with BFFVX
	For grinding applications	For welding and grinding	For mostly welding applications	For mostly welding applications
Order No.	**AP-AR-SH**	**AP-4500V-AIR**	**AP-X81VX-1500**	**AP-BFFVX-1500**
Viewing Area (square inches)	41.2	7.28	12.6	17.05
HD Technology	N/A	N/A	✓	✓
Light Shade	N/A	3	3	3
Dark Shade	N/A	5/7/9-13	5-14	5-13
Variable Sensitivity	N/A	✓	✓	✓
Variable Delay	N/A	✓	✓	N/A
X-Tig Mode	N/A	N/A	✓	✓
Cut & Grind Mode	N/A	✓	Grind mode only	Grind mode only
TIG Rating	N/A	5	3	<5
Arc Sensors	N/A	4	5	3
Digital	N/A	✓	✓	✓
Solar power	N/A	✓	✓	✓ (also comes with USB charger)
PAPR Kit Order No.	**AP1K-AIRSH**	**AP1K-A-4500V***	**AP1K-V-X81VX**	**AP1K-V-BFFVX**

** Solar and battery-powered (CR2450)*

2

ADD BLOWER ASSEMBLY

3

REPLACEMENT HEPA FILTER

AIRPLUS® SYSTEMS

Order No.	Description
AP-1	AIRPLUS® Powered Air-Purifying System includes Battery, Battery Charger, Waist Belt, Flexible Breathing Tube and Flame-Retardant Cover, Airflow Indicator, Powered Respirator with HEPA filter, Spark Arrestor (2) and Pre-Filter (2).

AP-FIL-03-4
AIRPLUS® HEPA filter (4-Pack)

AP-FIL-03-12
AIRPLUS® HEPA filter (12-Pack)

AIRPLUS® PARTS AND ACCESSORIES

Order No.	Description
AP-BAT-03	AIRPLUS® Battery
AP-BLW-02	AIRPLUS® Blower Unit (includes one P3 Filter)
AP-CHG-03	AIRPLUS® Battery Charger
AP-FIL-03-4	AIRPLUS® HEPA Filter (4-Pack)
AP-FIL-03-12	AIRPLUS® HEPA Filter (12-Pack)
AP-FIL-04-10	AIRPLUS® Pre-Filter (10 pack)
AP-WBT-01	AIRPLUS® Waist Belt (34.5”)
AP-WBT-02	AIRPLUS® Heavy-Duty Leather Waist Belt (52.9”)
AP-WBT-EXT	AIRPLUS® Waist Belt Extension (10”)
AP-AFI-01	AIRPLUS® AirfLow Indicator
AP-SA-01-2	AIRPLUS® Spark Arrestor (2-pack)
AP-WBTSP-01	AIRPLUS® Waist Belt with Suspender
CA-CAC-02	Duffle Bag

THE AIRPLUS® SYSTEM

Number	Description	Part Number
1	Face Seal	AIRSHIELD®/AIRSHIELD® FLIP FRONT: AP-HFS-02 VISION® QUICK FACE SEAL: AP-HFS-03 VISION® FACE SEAL: AP-HFS-01 *model held by fastener
2	Airduct assembly with headgear	AP-AIRDUCT-01
3	Breathing tube & fire retardant cover Fire retardant cover replacement (cover only)	AP-BTC-03 AP-BT3-FR
4	Flame-retardant waistbelt	AP-WBT-01
5	Battery charger with universal plugs	AP-CHG-03
6	Heavy-duty lithium-ion 6-cell battery	AP-BAT-03
7	AIRPLUS® blower unit	AP-BLW-02
8	HEPA filter (Pack of 4 or 12)	AP-FIL-03-4 (Pack of 4) AP-FIL-03-12 (Pack of 12)
9	Pre-filter (10 pack)	AP-FIL-04-10
10	Spark arrestor (2 pack)	AP-SA-01-2
11	Airflow indicator	AP-AFI-01

WALTER Surface Technologies

Canada

Montreal
5977 Trans Canada Highway
Pointe-Claire, Quebec
H9R 1C1
Tel.: 514 630-2800
Toll free: 1 800 363-7368
Fax: 514 630-2825

Edmonton
18527 – 104 Avenue NW
Edmonton, Alberta
T5S 2V8
Tel.: 780 451-2053
Toll free: 1 866 435-1271
Fax: 780 453-1589

Toronto
151 Superior Blvd., Unit 12
Mississauga, Ontario
L5T 2L1
Tel.: 905 795-8555
Toll free: 1 888 821-9444
Fax: 905 795-8558

Vancouver
1-1595 Cliveden Ave. West,
Delta, British Columbia
V3M 6M2
Tel.: 604 540-4777
Toll free: 1 877 366-9258
Fax: 604 540-4778
Fax toll free: 1 877 329-9258

United States

South Carolina – ALLEGRO Industries
1360 Shiloh Church Road
Piedmont, SC 29673
Phone: 1 800-622-3530
Email: CustSvc-Allegro@walter.com

Connecticut
810 Day Hill Road
Windsor, CT 06095
Phone: 1 860-298-1100
Email: info.us@walter.com

Texas
710 Gateway Blvd.
Suite 110
Coppell, TX 75019

FOR MORE INFORMATION, TO SCHEDULE A FREE DEMO OR TO ORDER

Phone: 888-592-5837
Fax: 866-581-1121
Email: csr@walter.com
Or visit: walter.com

Facebook/ WalterSurfaceTech
Twitter/ @AllegroInd
LinkedIn/ Walter-Surface-Technologies
YouTube/ TheWalterNetwork
Instagram.com/ Waltersurftech

FOR MORE INFORMATION, TO SCHEDULE A FREE DEMO OR TO ORDER

Phone: 800-622-3530
Fax: 800-362-7231
Email: CustSvc-Allegro@walter.com
Or visit: walter.com

Facebook/ AllegroIndustries
Twitter/ @AllegroInd
LinkedIn/ allegro-industries
YouTube/ AllegroIndustries

ALLEGRO | WALTER

WALTER Surface Technologies Inc.© 2025 All Rights Reserved. WALTER and ALLEGRO logos are trademarks or registered trademarks of WALTER Surface Technologies Inc. Other company, product or service names may be trademarks or service marks of WALTER Surface Technologies or others.
98-H 350 (10-25)