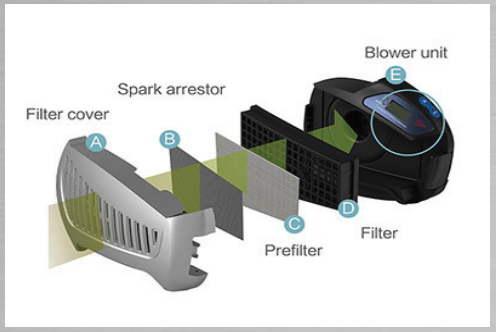
AMERICAN WELDQUIP BREATHE-CLEAN PAPR POWERED AIR PURIFYING RESPIRATORS

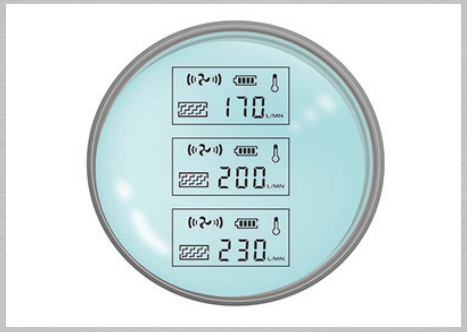
BREATHE-CLEAN is a PAPR Powered Air Purifying Respirator system which supplies clean, filtered, purified air during welding operations. If you are looking to help safe guard welders from potentially dangerous welding fumes the American Weldquip Breathe-Clean PAPR Powered Air Purifying Respirator and helmet system can help control and prevent exposure to these fumes.

The American Weldquip Breathe-Clean PAPR offers a complete system that brings filtered ambient air from your shop and delivers it through the welding helmet. This keeps dangerous welding fumes from the breathable area of the welder. In addition, the flow of the filtered air helps keep welders cool under the helmet.

Other notable features include the battery, which provides as much as 8 hours of filtered breathable air. The large 3.25 x 4 auto darkening lens gives the welder a large viewing area. In addition, the ADF lens is adjustable for Grinding, and welding shades from #3 through 13.

- **Adjustable 3 Level Air Flow Control (170, 200 and 230 lpm).**
- **Delivers Continuous Filtered Purified AIr Flow.**
- **Various Warning for Low Battery, Low Air Flow.**
- **Light Weight and Comfortable. Blower Units Light Weight and Slim Design is Comforable and Allows for unrestricted movements.**
- **ADF Auto Darkening Lens with Tru Color.**
- **Large 3.25” x 4” ADF Auto Darkening Lens.**
- **Weld Shade Adjustable from #3 to #13 and Grind Function.**
- **Quick Release Padded Belt and Shoulder Straps.**
- **Certifications - CE, NIOSH 42 CFR 84**
- **Supplied With Two Lithium-Ion Rechargeable Batteries.**
- **8 Hours Life From Each Battery.**





AMERICAN WELDQUIP SMOKE EXTRACTION TORCHES

STANDARD TORCH CONFIGURATIONS

TORCH SERIES	DESCRIPTION	STD TIP SIZE	CONTACT TIP	DIFFUSER	NOZZLE BORE SIZE	NOZZLE	INS. WASHER	LINER	GOOSENECK ANGLE
347SM	300 A Smoke Torch	.045(1.2mm)-M6	75045511	75002007	5/8"(15.9mm)	75146204-I	75001005	750XX222T	60°
407SM	400 A Smoke Torch	.045(1.2mm)-M8	75045014	75004033	5/8"(15.9mm)	75146202	75001004	750XX228T	60°
500SM	500 A Smoke Torch	.045(1.2mm)-M8	75045014	75004033	5/8"(15.9mm)	75146202	75001004	750XX228T	60°

TORCH RATINGS

MODEL	RATED AMPERAGE	100% DUTY CYCLE CO2	100% DUTY CYCLE Mixed Gas (ArCo2)	60% DUTY CYCLE CO2	60% DUTY CYCLE Mixed Gas (ArCo2)
347SM	300	300A	250A	350A	300A
407SM	400	400A	300A	450A	400A
500SM	500	500A	390A	525A	500A

HOW TO ORDER

	TORCH SERIES	LENGTH	FEEDER PIN
EXAMPLE:	407SM	15	T5

*** Specify wire size and or special configuration when ordering if not standard. Consult website:www.weldquip.com, factory or AWQ Representitive for assistance with part number configuration.**

WIRE FEEDER PIN OPTIONS

- **B** - EURO
- **BC** - BANCROFT
- **D** - OTC®/DAIHEN®
- **DP** - OTC®/DAIHEN® DP SERIES
- **K** - KOBELCO®
- **L** - LINCOLN® (LN7 STYLE)
- **LU** - LINCOLN® UNIVERSAL
- **TL** - LINCOLN® POWER FEED 10
- **W** - LINCOLN® WIREMATIC
- **M** - MILLER®
- **P** - PANASONIC®
- **T** - TWECO®/HOBART® #4
- **T5** - TWECO® #5

AMERICAN WELDQUIP BREATHE-CLEAN PAPR SYSTEM

SPECIFICATIONS

PAPR

-Switch - 3 Airflow Levels, On/Off, Automatic Shutdown
-Nominal AirFlow - Level 1: 170L/min, Level 2: 200L/min, Level 3: 230L/min.
-Filtration Level - TH2 PR SL
-Filter Efficiency - 99.996% @ 0.3um
-Noise Level Max 70dB
-LCD Display - Airflow Level and Data, Batery Life, Filter Status
-Battery Type Rechargeable Li-ION 4400mAh
-Expected Battery Operation Time Level 1>8h, Level 2>6h, Level 3>4h
-Battery Charging Time 3.5 Hours
-Warnings(Audible and Vibration) - Low Battery, Plugged Filter, Low Air Flow, High Battery Temperature
-Noise Level - Max. 73db
-Operating Temperature - 23°F to 131°F (-5°C~55°C)
-Belt Size 35-2/5 x 51-2/5 in. (900mm to 1300mm)
-Blower Size - 9-2/5 x 6-1/2 x 2-3/4 in. (240 x 165 x 70 mm)
-Blower Weight - 5.2 lbs (2.4KG)

WELDING HELMET

-View Area - 3.25" x 4"
-ADF Auto Darkening Lens with True Color
-Optical Class 1/1/1/1 (per EN 379)
-Replacement Lens - Standard 4.5" x 5.25" (114.3mm x 133.35mm)
-ADF Filter Size - Standard 4.5in. x 5.25in (114.3mm x 133.35mm)
-Number Of Sensors - 4
-Light Sensitivity Control - Continuous
-Power - Replaceable lithium battery
-Light To Dark Switching Time - 0.08ms
-Grind Function - Yes
-Variable Shade Adjustable - #3 to #13
-Sensitivity - Adjustable
-Delay Time - Adjustable 0.1 sec. min. - 0.9 sec. max
-Low Battery Indicator - Yes
-Magnifying Lense Capable - Yes
-Compliance ANSI Z87.1-2010, CSA Z94.3, CE
-Operating Temperature - 14 - 149 deg. F (-10-65 deg. C)
-Storage Temperature - -4 - 185 deg. F (-20-85 deg. C)

HOW TO ORDER

PART NUMBER	DESCRIPTION
PAR-1004	**BREATHE-CLEAN PAPR Powered Air Purifying Respirator System**

Includes: Breathe-Clean ADF Welding Helmet, Powered PAPR Filtered Blower Unit, HEPA Filter, Prefilter, Spark Arrestor, Padded Belt, Shoulder Straps, Breathing Tube and Cover (2) Clear Cover Lens, (2) Lithium Ion Batteries, Battery Charger, Flow Meter, Tool Bag

SPARE PARTS

PAPR BLOWER UNIT

PART NUMBER	DESCRIPTION
PAR-5001	Filter Cover
PAR-5002	HEPA Filter
PAR-5003	Prefilter
PAR-5004	Spark Arrestor
PAR-5005	Blower Unit
PAR-5006	Rechargable Li-Ion Battery
PAR-5007	Breathing Tube and Cover
PAR-5008	Padded Waist Belt
PAR-5009	Shoulder Strap
PAR-5010	Air Flow Tester
PAR-5011	Battery Charger
PAR-5012	Storage Bag

ADF WELDING HELMET

PART NUMBER	DESCRIPTION
PAR-1050	Breathe-Clean ADF Welding Helmet
PAR-1075	Clear Lens - Standard Size 4.5" x 5.25" (114.3mm x 133.35 mm)
PAR-1080	ADF Auto Darkening Unit Standard Size 4.5" x 5.25" (114.32mm x 133.35 mm)
PAR-1081	ADF Cradle
PAR-1082	Face Seal
PAR-1083	Head Gear/Air Duct
PAR-1084	ADF Inner Protective Lens Holder