



WHERE QUALITY MEETS **AFFORDABILITY**WITHOUT COMPROMISE™

From humble beginnings in 1992 as a start-up, to #1 in North America within four years, ArcOne® innovations has created positive change in both eye and respiratory safety. Here are some of ArcOne® firsts in the history of Auto-Darkening technology:

- The first Auto-Darkening helmet to break the \$200 price barrier
- The first company in North America to promote solar technology
- The first company to offer retro-fit Auto-Darkening filters
- The first company with waterproof filters
- The first extended viewing area product
- The first Auto-Darkening filter to see around corners while welding
- The first company with an iDF® (Intelligent Darkening Filter)
- The first company to use digital technology with LED read-outs
- The first company with Xtreme® size viewing area a full 40% larger than any other company
- The first company with an internal LCD screen not requiring battery changes

- From our primary facility in Massachusetts, ArcOne® engineers design welding helmets, respiratory protection products and head and face protection products using state of the art computers and software.
- Attentive professional sales personnel attend to every need of the customer with support of the Graphics, Marketing, Inside Sales and Customer Service Team. Orders are delivered with the utmost efficiency at an extremely high service level.
- The Quality Control and Assurance team manage worldwide sourcing and assure adherence to the strictest quality standards which have fueled our high quality rate with less than 0.3% failure rate worldwide.
- ArcOne® employs additional electrical and mechanical engineers, production and Quality Control personnel out of our Auto-Darkening filter production facility located in Taiwan. From this facility, we provide for the growing demand in the Americas, Europe and Asia.
- At ArcOne® we continuously strive toward technical advancements and new product innovations which fuel growth inclusive of our strategic private label and distribution partners.



FOR OVER 25 YEARS, ARCONE® HAS FUELED THE GROWTH IN AUTO-DARKENING PRODUCTS AND HAS BEEN A MAJOR FORCE IN BOTH PRICE AND TECHNOLOGY CHANGES.

ArcOne® strives to stay ahead of innovation in the industry, offering better and more advanced products for our customers as each year passes.

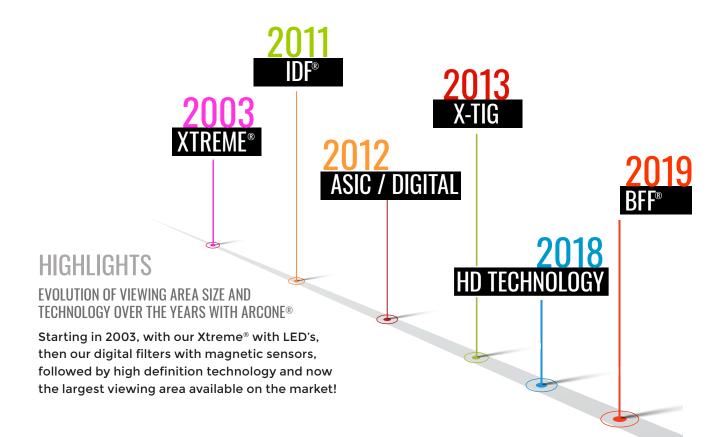


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RESPIRATORY PROTECTION



POWERED AIR

AIRPLUS® PAPR SYSTEM

ArcOne's AirPlus[®] air purifying respirator system is a motorized, battery operated system that blows a constant supply of fresh, filtered air over the face. It creates a positive pressure inside the respirator head top keeping out harmful welding fumes and particulates.

- 8-setting airflow control, minimum flow at or above 170 LPM, max 240 LPM
- · Constant airflow correction technology
- Recharges in 6 hours
- 12-hour lithium-ion battery (at minimum fan speed)
- Flexible breathing tube with quick disconnect and fire retardant air-hose cover
- Ergonomic comfortable belt and washable face seal
- · Convenient single, replaceable HEPA filter with pre-filter



INCLUDES: BATTERY, BATTERY CHARGER, WAIST BELT, FLAME RETARDANT COVERED HOSE, AIR FLOW INDICATOR, DUFFLE BAG AND POWERED RESPIRATOR WITH HE FILTER.





VISION® WITH AIRPLUS®

CARRERA™ ARCONE® WITH AIRPLUS®

AIRPLUS® PAPR SYSTEM PARTS GUIDE

AP-IU Air Plus® Universal AP-IU-1 AirPlus® Universal & 1 spare battery AP-IU-2..... AirPlus® Universal & 2 spare batteries AP-BLW-01..... AirPlus® Blower Unit AP-BAT-01 Battery AP-CHG-01U Universal Battery Charger AP-BT-01..... Breathing Tube AP-BTC-01 Breathing Tube with FR Cover AP-BT-FR Flame Retardant Hose Cover AP-WBT-01......Waist Belt AP-FIL-02-4 4-Pack P3 Filter AP-FIL-01-12 12-Pack Pre-Filter AP-FIL-01HD-10 Heavy Duty Pre-Filter AP-AFI-01 Airflow Indicator AP-AIRDUCT-01..... Headgear and Airduct Assembly AP-SWB-01.....Sweatband AP-HFS-01 Face Seal for Vision $^{\circ}$ and Carrera $^{\mathsf{TM}}$ AP-HFS-02 Face Seal for Eagle® and AirShield® AP-BT-02 Long Breathing Tube for Eagle® AP-BTC-02 Long Breathing Tube with FR Cover AP-BT2-FR Flame Retardant Hose Cover with extra length

SYSTEM SPECIFICATIONS

BLOWER UNIT

BATTERY

Type Lithium-lon

Voltage 7.4 V

Operating Time ... 12 hours at minimum fan speed

Charging Time ... 6 hours

Charging Cycles ... 350 (under ideal conditions)

Housing ... Impact-proof ABS

Weight ... 0.55 lb / 0.25 kg

Type DC Rectifier

CHARGER

EAGLE® WITH AIRPLUS®

ArcOne® has redesigned the Eagle® helmet into one that now meets the highest demands from welding. The all new Eagle® is our first helmet designed to make respiratory protection a top priority. This second generation flip-front helmet is perfectly balanced, comes with our newest headgear innovations and is incredibly easy to change filter functions.

FEATURES:

- Available with ArcOne® AirPlus® powered air purifying respirator
- Direct flow into the helmet with new air manifold system
- · User control of airflow direction
 - » Fully open air setting to mitigate fogging
 - » Fully closed air setting to channel airflow to breathing zone
 - » Partially closed air setting for taking the sweat out of welding
- Comfortable easy to change 100% cotton, FR treated face seal
- New longer breathing tube to accommodate more welders than ever before
- Quick release filter holder for easy front cover plate change out
- Filter holder completely releases from flip-front making rear cover plate easy to change
- · Large viewing, quick-change grinding shield
- Works with both externally controlled or internally controlled Auto-Darkening welding filters
- · Excellent full neck and ear coverage
- Uses ComfaGear® II headgear or 15-HG
- · Works with ArcOne's SSML mag lenses
- Meets/exceeds CE EN 175-B
- · CE approved with black opaque side panels



EAGLE® WITH AIRPLUS®



PART #	DESCRIPTION
AP-HFS-02	Face Seal for Eagle® and AirShield®
AP-BT-02	Long Breathing Tube without FR Cover
AP-BTC-02	Long Breathing Tube with FR Cover
AP-BT2-FR	Flame Retardant Hose Cover with extra length
EA-CL-2	Eagle® Polycarbonate Clear Visors (2-Pack)
EAGLE-SP1 COMING SOON	Eagle® Shade 6 / IR 14 side panels (2-Pack, left and right side)
EAGLE-SP2	Eagle® Black side panels (2-Pack, left and right side)

AIRSHIELD® WITH AIRPLUS®

Combine the AirShield® with our AirPlus® PAPR System for complete respiratory protection. ArcOne's full-coverage grinding visor exceeds expectations with its durable construction, large viewing area, sturdy headgear, quick and easy visor installation and removal, all at an economical price-point.

FEATURES:

- Large shield-like viewing area
 Visor dimension: 6.96" x 5.42" x 0.04"
 Viewing area: 37.7 sq. in.
 (176.9 mm x 137.7 mm x 1.0 mm,
 Viewing area: 24359 mm²)
- Complete with comfortable 04-HG sweatband
- Meets/Exceeds: ANSI Z87+, CAN/CSA Z94.3, CE EN 166 B

Respiratory:

- Direct flow into the helmet with new air manifold system
- · User control of airflow direction
 - » Fully open air setting to mitigate fogging
 - » Fully closed air setting to channel airflow to breathing zone
 - » Partially closed air setting for taking the sweat out of welding
- Lightweight, super comfortable 100% cotton, FR treated face seal
- Easy change face seal, no more nuts and bolts to fiddle around with

PART #	DESCRIPTION
AP-AR-SH	Respiratory AirShield®
AP-HFS-02	Face Seal for Eagle® and AirShield®
AP-BT-01	AirPlus® Breathing Tube without FR Cover
AP-BTC-01	AirPlus® Breathing Tube with FR Cover
AP-BT-FR	AirPlus® Flame Retardant Hose Cover
AIR-WHA-10	Adapter to attach AirShield® to an ArcOne® welding helmet
AIR-CL	AirShield® Clear Replacement Visors (2-Pack)







AIRSHIELD® WITH VISION®



AUTO-DARKENING PROTECTION



AUTO-DARKENING FILTERS







5000V







7000VX



7500VX



HIGH DEFINITION OPTICS ON 5000V, 55000V, 7000VX, 7500VX FILTERS
TRUE COLOR OPTICS ON 1000F, 4000V, 4500V FILTERS
ALL ARCONE FILTERS ARE OPTICAL CLASS 1
3-YEAR WARRANTY ON ALL AD FILTERS

	AUTO-DARKENING FILTER OPTIONS												
FILTER	LIGHT STATE	DARK STATE	DIGITAL	SENSITIV- ITY	GRIND	DELAY	TIG RATING	SENSORS	REGULA- TION	VIEWING AREA (mm)	AUTO VARI- ABLE	MEM- ORY	i-TIG
1000F	4	9-13	N	Variable	Υ	Variable	25	2	IN	42 x 92	N	N	N
4000V	4	9-13	N	Variable	Υ	Variable	25	4	OUT	47 x 97	N	N	N
4500V	4	9-13	N	Variable	Υ	Variable	25	4	IN	47 x 97	N	N	N
5000V	4	9-13	Υ	8 Settings	Υ	8 Settings	5	2	OUT	48 x 96	N	N	N
5500V	4	9-13	Υ	8 Settings	Υ	8 Settings	5	2	IN	48 x 96	N	N	N
7000VX	4	5-13	Υ	8 Settings	Υ	8 Settings	5	2	OUT	58 x 98	N	N	N
7500VX	4	5-13	Υ	8 Settings	Υ	8 Settings	5	2	IN	58 x 98	N	N	N

INSIDE COVER PLATES BY FILTER						
1000F	4000V	4500V	5000V	5500V	7000VX	7500VX
03-OP	03-OP	03-OP	03-OP	03-OP	10-IP	10-IP

	OUTSIDE C	OVER PLATES BY HELM	ET STYLE	
EAGLE®	CARRERA™ ARCONE®	VISION®	PYTHON	COBRA®
09-OP-5	04-OP	04-OP	06-OP2	04-OP

REPLACEMENT HEADGEAR					
04-HG	06-HG	15-HG	10-HG		

REPLACEMENT CARRERA™ CENTER SECTION	REPLACEMENT PYTHON CENTER SECTION
CAR-CS	06-FH

AUTO-DARKENING WELDING HELMETS

EAGLE®

ArcOne® has redesigned the Eagle® helmet, meeting the highest demands from welding. This flip-up helmet is perfectly balanced, comes with our newest headgear innovations, and is easy to change filter functions; whether you choose an inside or outside variable filter.



CARRERA™ ARCONE®

The Carrera[™] ArcOne[®] evokes a fit and feel just like the name represents. Designed to provide full head, neck, and ear coverage in a lightweight shell made from tough flame retardant nylon. The Carrera[™] stands against extreme cold and heat without cracking or deforming.



VISION®

The Vision® is a lightweight, full-coverage helmet with a modern design. It has a sleek look and is great for tight spaces where wider helmets can't fit. The Vision® helmet comes with our cover plate ejection system making changing cover plates a breeze.



PYTHON

The racing inspired Python takes welders into the future with style, comfort and performance. The Python, in addition to it's unique style, provides full head, neck, and ear coverage.



COBRA®

The Cobra® is compact and lightweight, with full head, ear and neck coverage. Cobra® helmets are designed for heavy industrial use but priced below comparable products. A curved cover plate increases optical qualities. The unique design channels smoke away from the welder.



ACCESSORIES

HEADGEAR & SWEATBANDS

ArcOne® has the highest quality headgear on the market lasting up to ten times longer than other manufacturers. ArcOne® sweatbands meet your budget without compromising comfort. Providing different sweatbands for different uses, we have felt bands, industrial comfort bands, ultra absorbing bands and the ComfaGear II® sweatband.

	HEADGEAR & SWEATBANDS
PART #	DESCRIPTION
03-HGSB	FatBoy® Ultra-absorbent Sweatband
04-HG	Economical Ratchet Headgear with Cloth Sweatband
04-HGSB-5	Lightweight Felt Sweatbands (5-Pack)
06-HG	ComfaGear® Ratchet Headgear with Deluxe Sweatband
06-HGSB-2	Deluxe Sweatbands (2-Pack)
07-HGSB	Single Rear Felt Sweatband
15-HG	Comfagear® Headgear with 06-HG Sweatband



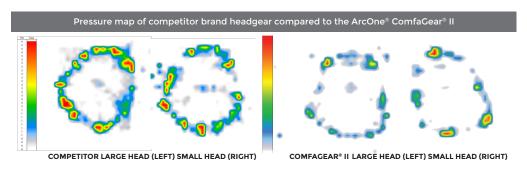
COMFAGEAR® II

ArcOne® took the original ComfaGear® headgear and made improvements by relieving all pressure points on the head. The ComfaGear® II has x-crossed top straps providing extra comfort. ComfaGear® II works on browguards and helmets.

PART#	DESCRIPTION
10-HG	ComfaGear® II
10-HGSB-2	ComfaGear® II front sweatbands (2-Pack)
07-HGSB	Single Rear Felt Sweatband



10-HG



RED = HIGH PRESSURE, BLUE = LOW PRESSURE

COVER PLATES

ArcOne's specially designed cover plates are lightweight, but still hold up to the highest standards. Cover plates may be used with all other manufacturer helmets, but especially with ArcOne® helmets due to the helmet designs.

IN	ISIDE & OUTSIDE COVER PLATES FOR ALL ARCONE® HELMETS		
PART #	DESCRIPTION		
03-OP	108x51mm Cover Plate		
04-OP	110x90mm Cover Plate		
06-OP2	Molded Outside Cover Plate, Scratch Resistant (2-Pack)		
10-IP-5	Inside Cover Plate for helmets with 7000VX & 7500VX filters only (5-Pack)		
09-OP-5	Outside Cover Plate for Eagle® helmets		
EA-CL-2	2-Pack Clear Visor for Eagle® helmets		
EAGLE-SP1	Eagle® Shade 6 / IR 14 side panels (2-Pack, left and right side) COMING SOON		
EAGLE-SP2	Black Side Panels for Eagle® helmets		
SEE CHART ON PAGE 7 FOR APPROPRIATE COVER PLATE FOR FILTER AND HELMET			

MAGNIFIER LENSES

ArcOne® produces two types of magnifier lenses, also known as diopters. The Standard Magnifying Lens is perfect for helmets like the Vision® that have a built-in mag lens holder. The European Magnifying Lens replaces your rear cover plate with a specially designed cover plate diopter combination.

	DARD MAGNIFYING LENS g lens holder required)		PEAN MAGNIFYING LENS anufacturer's 110x90 helmets)
PART #	DESCRIPTION	PART #	DESCRIPTION
VML-100	1.00 Strength	EML-100	1.00 Strength
VML-150	1.50 Strength	EML-150	1.50 Strength
VML-200	2.00 Strength	EML-200	2.00 Strength
VML-250	2.50 Strength	EML-250	2.50 Strength
		EML-300	3.00 Strength

WELDING ACCESSORIES

ArcOne® WELDING ACCESSORIES			
PART # DESCRIPTION			
CG-01	Leather Chin Guard, one size fits all		
BAG-CANVAS-01	Canvas Bag		
CA-CAC-02	Polyester/Canvas Dufflebag		
BAG-HELMET-01	Nylon Drawstring Bag		
UHHA-01	Universal Hard Hat Adapter for non-slotted Hard Hats		



HEAD & FACE PROTECTION



SAFETY EYEWEAR

ArcOne® safety eyewear provides protection and comfort with eye-catching designs.

Each style is lightweight and durable. Most styles come with IR5 lenses for cutting and brazing.

All safety eyewear is available in a variety of frame and lens options. Eyewear sold in 10-packs only.

SE-1000 SERIES

The 1000 Series of safety eyewear proves that quality and performance can come in an economical package. The 1000 Series provides full eye protection with a much more substantial amount of material than the eco-specs used by many companies. Available in multiple lens/finish configurations. Provides UV385 protection.



PART #	FRAME COLO	R LENS TYPE	FINISH	COATING	ANTI-SCRATCH
SE-1000	Clear	Clear	None	Uncoated	
SE-1001	Gray	Smoke	Gray Mirror	Hard coated	•
SE-1002	Tan	Indoor/Outdoor	I/O Mirror	Hard coated	•
SE-1003	Blue	Smoke	Blue Mirror	Hard coated	~
SE-1004	Purple/Blue	Smoke	Purple/Blue	Hard coated	•
SE-1005	Amber	Amber	None	Hard coated	•
SE-1006	Smoke	Smoke	None	Hard coated	•
SE-1007	Clear	Mocha	None	Hard coated	~

SE-8000 SERIES

The 8000 Series of performance safety eyewear have the look and feel of those designer glasses costing 20 times more. Larger more rectangular frames promote a modern sports image. Comes complete with over molded frames, and a micro-fiber bag. Provides UV400 protection. Smart, stylish and affordable. Assorted 10-Packs available.



PART#	FRAME COLOR	LENS TYPE	FINISH	COATING	ANTI-SCRATCH
SE-8000	Champagne	Clear	Anti-fog	Hard coated	~
SE-8001	Black Gloss	Smoke	Silver Mirror	Hard coated	•

SAFETY SPECTACLES

ArcOne® spectacles have been designed with you in mind. Spectacles are available in a variety of styles, colors and lens options. Each comes with a pouch that doubles as a lens cleaner. Do not wear IR3 & IR5 while driving. All spectacles are sold in 10-packs only. Looking great never protected so well.

ACTION

The Action could be found on the racquetball court and in the lab. The adjustable strap provides all day comfort. Interior pads increase comfort while at the same time increasing sealing around the eyes.

PART #	FRAME COLOR	LENS TYPE	FINISH	COATING
G-ACT-A1101	Flat Black	Clear	Silver Mirror	Hard coated
G-ACT-B1204	Black Gloss	Smoke	Blue/Purple Revo	Hard coated
G-ACT-A1301	Flat Black	IR3	None	Hard coated
G-ACT-A1501	Flat Black	IR5	None	Hard coated



HOLLYWOOD

Hollywood spectacles provide a hip style without compromising comfort. Thick foam completely surrounds the eyes. Removable temples give way to a strap should you desire a tighter fit. Diopter inserts available from 1.0 to 3.0 magnification in half-shade increments: D-HOL-1.0, D-HOL-1.5, D-HOL-2.0, D-HOL-2.5, D-HOL-3.0.

PART#	FRAME COLOR	LENS TYPE	FINISH	COATING
G-HOL-A1101	Flat Black	Clear	Silver Mirror	Hard coated
G-HOL-B1205	Black Gloss	Smoke	Blue/Green Mirror	Hard coated
G-HOL-A1301	Flat Black	■ IR3	None	Hard coated
G-HOL-A1501	Flat Black	IR5	None	Hard coated



CORONADO

The Coronado gives the look of fashion eyewear with safety protection. A clean low cut padding couples the eyes increasing protection as well as comfort. Removable temples give way to a strap should you desire a tighter fit.

PART #	FRAME COLOR	LENS TYPE	FINISH	COATING
G-COR-A1101	Flat Black	Clear	Silver Mirror	Hard coated
G-COR-B1205	Black Gloss	Smoke	Blue/Green Mirror	Hard coated
G-COR-A1301	Flat Black	IR3	None	Hard coated
G-COR-A1501	Flat Black	IR5	None	Hard coated



BROWGUARDS & VISORS

ArcOne® browguards and visors provide full face and eye protection against sparks, spatter, small particles, and non-hazardous liquids. Made for work applications including grinding, cutting, brazing and machining. These shields are a perfect fit for any job and provide the protection you need if particles come flying your way. Available in clear, dark green, IR3 and IR5. ArcOne® cost-performance durable visors fit most manufacturer browguards. Sold in quantities of 10 and 50.

PART #	DESCRIPTION	
BG1	Browguard Medium - Blue Nylon with Visor	•
BG2	Browguard Large - Black Nylon without Visor	
BG2-2CL	Browguard with Visor	
BG-HG	Browguard Headgear - Ratchet	
FF-5-AK	Flip-Front Adapter Kit (IR5)	
FF-8-AK	Flip-Front Adapter Kit (IR8)	-
FSHHA-01	Adjustable Visor Hard Hat Adapter	
AIR-SH	AirShield® - Molded High-Impact Grinding Visor	
AIR-CL	AirShield® Visor 2-Pack	
AIR-WHA-04	Adapter to attach ArcOne® welding helmet to AirShield® using 04-HG	
AIR-WHA-10	Adapter to attach ArcOne® welding helmet to AirShield® using 10-HG	AIR-SH
AIR-HEL	AirShield® Replacement Shell	AirShield®
2CL-PC	Modern Design Polycarbonate Injection Molded - Clear for Flip (each) - 406 x 229 x 1.5 mm	7 0
2CL-PC-50	Modern Design Polycarbonate Injection Molded - Clear for Flip 50-Pack - 406 x 229 x 1.5 mm	
2DGN-PC	Modern Design Polycarbonate Injection Molded - Dark Green for Flip (each) - 406 x 229 x 1.5 mm	
2DGN-PC-50	Modern Design Polycarbonate Injection Molded - Dark Green for Flip 50-Pack - 406 x 229 x 1.5 mm	
168CL-PC	Modern Design Polycarbonate Injection Molded - Clear (each) - 400 x 203 x 1.5 mm	
168CL-PC-50	Modern Design Polycarbonate Injection Molded - Clear 50-Pack - 400 x 203 x 1.5 mm	
168DG-PC	Traditional Design Polycarbonate Injection Molded - Dark Green (each) - 400 x 203 x 1.5 mm	
168DG-PC-50	Traditional Design Polycarbonate Injection Molded - Dark Green 50-Pack - 400 x 203 x 1.5 mm	
168IR3-PC	Traditional Design Polycarbonate Injection Molded - IR3 (each) - 400 x 203 x 1.5 mm	
168IR3-PC-50	Traditional Design Polycarbonate Injection Molded - IR3 50-Pack - 400 x 203 x 1.5 mm	
168IR5-PC	Traditional Design Polycarbonate Injection Molded - IR5 (each) - 400 x 203 x 1.5 mm	
168IR5-PC-50	Traditional Design Polycarbonate Injection Molded - IR5 50-Pack - 400 x 203 x 1.5 mm	



BG2 Shown with 2DGN



BG1 Browguard with 168 Visor



168IR5-PC



2CL-PC Clear Visor



2DGN-PC
Dark Green Visor





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