

ARCMaster XC90F AIR WITH CYCLONE PAPR PRO KIT

ADVANCED WELDING FUME PROTECTION SYSTEM



The ARCMaster series gets a serious update with the XC90F AIR and the CYCLONE PAPR! Experience the highest level of respiratory protection against carcinogenic welding fumes at a reasonable price. Can be used for welding, cutting, grinding & sanding applications.

CYCLONE PAPR

- 3-Stage filtration system offers highest level of protection from harmful welding fumes.
- Comfortable waist belt and 4-point shoulder straps paired with the lightweight design offers all-day comfort to the welder.
- CYCLONE PAPR system is equipped with an automatic alarm system that alerts the welder when filters are clogged for peace of mind.
- The powerful turbo unit offers up to 10hrs of run time at a steady 170L/min or push it to full power for 6hrs at 230L/min.
- Very affordable wear spares and consumables that makes this unit one of the lowest to run and maintain PAPR kits on the market.

ARCMaster XC90F AIR

- Easiest to remove ADF in a flip welding helmet that makes changing cover lenses & batteries fast and easy.
- Features a **flip-lid** with **easy nod-down** design with a massive clear grinding visor to effortlessly switch between welding and grinding
- Experience a panoramic view of the weldment with one of the largest viewing areas (118 x 83mm = 99mm²) in a flip welding helmet and shade 5 passive side-windows.
- Comes with a Bluelight outer cover lens for improve visibility and reduced eye strain.
- 9 memory profiles can be manually set for various welding processes.
- Supplied standard with a super comfortable 5-Point Head Harness for all-day use.



UNMATCHED PRECISION WITH OptiShade TECHNOLOGY

Powered by a smart 5th sensor, OptiShade automatically adjusts shade level with razor sharp accuracy. No guesswork, just pure welding precision.



ENHANCED USER EXPERIENCE WITH GRADUAL MODE

Smoothly transition from dark to light state to minimise eye fatigue and enhance your comfort.

3 Stage Filtering

Offers highest level of protection against carcinogenic welding fumes



P3 PARTICULATE FILTER

Removes fine carcinogenic particles for clean, breathable air.

PREFILTER

Captures larger debris to prolong the P3 filter life.

SPARK ARRESTOR

Protects against fire hazards by blocking sparks.

COMPLETE KIT INCLUSIONS P/N: 45XC90F2AIR

ARCMaster XC90F AIR

Arcmaster XC90F AIR

Front Cover Lens (Spare x 2)

Rear Cover Lens (Spare x 2)

Grinding Lens

Helmet Carry Bag

Operating Manual



CYCLONE PAPR

Cyclone PAPR Blower Unit

Spark Arrestor

Prefilter

P3 Particle Filter

Waist belt with Shoulder Straps

Backpack to suit Cyclone blower unit

Expandable Breathing Hose 1.2m

Rechargeable 2.6Ah Li-ion Standard Battery x1, 5.2Ah Heavy Duty Battery x1

Standard Battery Charger

Flowmeter for Testing correct airflow



TECHNICAL SPECIFICATIONS

ARCMaster XC90F AIR

| | |
|----------------------|---|
| Viewing Area | 118mm x 83mm = 99mm ² |
| Arc Sensors | 5 |
| Approved to AS/NZS | AS/NZS 1337.1 & 1338.1 |
| ISO 16321 Rating | VI (Previously EN349: 1/1/1/1) |
| Shade Range | 4-8 / 9-14 |
| Grinding Shade (ADF) | 3 |
| OptiShade Technology | User Adjustable +/- 2 Shades |
| Gradual Mode | Yes (Dark to Clear) |
| Ultra View | Yes |
| Switching Speed | 0.1ms |
| Memory Mode | 9 Memory Profiles |
| Harness Points | 5 |
| Digital Controls | Yes |
| Impact Rating | High Impact |
| Battery | Solar Assist 2 x CR2032 (Replaceable Battery) |
| Weight | 900g |
| Warranty | 3 Years + 6 Months |



CYCLONE PAPR

| | |
|-----------------------------------|--|
| Particle Filter Type | P3 P RSL |
| Filter Class | TH3 (<0.2% inward leakage) |
| Airflow Rate | Variable speed: 170, 200, 230L/min |
| Standard Battery Specifications | Li-ion 14.8V x 2.6Ah = 38.48Wh |
| Standard Battery Run Time | >10hrs @170L/min, >6hrs @230L/min |
| Standard Battery Charging time | 2hrs |
| Battery Life | >500 Charging Cycles |
| Heavy-Duty Battery Specifications | Li-ion 14.8V x 5.2Ah = 76.96Wh |
| Heavy-Duty Battery Run Time | >20hrs 170L/min, >12hrs @230L/min |
| Heavy-Duty Battery Charging time | 4hrs - Standard charger 2hrs - Rapid Charger ¹ |
| Battery Life | <500 Charging Cycles |
| Warranty | Blower Unit - 1 Year Battery - 1 Year |

¹Rapid Charger is an additional accessory and is not recommended to use with Standard Battery. Not included in this kit.

LEVEL UP WITH ADDITIONAL ACCESSORIES INCLUDED WITH THE PRO KIT!



5.2Ah Li-ion Heavy-Duty Battery
P/N - 455409

Upgrade your battery life with the Heavy-Duty Battery and get up to 20hrs of run time. Effortlessly weld long hours with no down time!



Cyclone Backpack
P/N - 455403

Make long hours at the workshop comfortable with the Cyclone Backpack. With foam lined back panel and shoulder straps, the Cyclone Backpack offers superior weight distribution for ultimate all-day comfort

RECOMMENDED ACCESSORY



Heavy Duty Rapid Charger
P/N - 455417

Cut your charge time in half with our **2Hr Rapid Charger** !

| SPARE PARTS | UNIT OF MEASUREMENT | PART NUMBER |
|--|---------------------|-------------|
| Cyclone PAPR Blower Unit with Waist Belt and Shoulder Straps | EA | 455400 |
| Waist Belt and Shoulder Straps | EA | 455401 |
| Extendable Breathing Hose 1.2M | EA | 455402 |
| Cyclone Backpack | EA | 455403 |
| Spark Arrestor | 2Pc/Pk | 455404 |
| Prefilter | 5Pc/Pk | 455405 |
| P3 Particle Filter | EA | 455406 |
| 2.6Ah Standard Rechargeable Battery | EA | 455408 |
| 5.2Ah Heavy Duty Rechargeable Battery | EA | 455409 |
| Standard Battery Charger | EA | 455416 |
| Rapid Charger to suit Heavy Duty Battery | EA | 455417 |
| FR Head Guard Protection for XC10 AIR & XC90F AIR | EA | 455410 |
| Leather Neck Guard Protection for XC10 AIR & XC90F AIR | EA | 455411 |
| Spare Blower Unit Connection Clips | 2Pc/Pk | 455414 |
| Cyclone PAPR Spare Filter Cover - Grey | EA | 455415 |
| Front Cover Lens - Clear To Suit Arcmaster XC90F & XC90F AIR | 5Pc/Pk | WHCL124F |
| Front Cover Lens - Blue To Suit Arcmaster XC90F & XC90F AIR | 5Pc/Pk | WHCL124FB |
| Rear Cover Lens To Suit Arcmaster XC90F & XC90F AIR | 3Pc/Pk | WHCL101R |
| Sweatband To Suit Arcmaster XC90F & XC90F AIR | 2Pc/Pk | WHSB05 |
| 5-Point Head Harness Kit To Suit Arcmaster XC90F AIR | EA | WHHK05A |



**Arcmaster XC90F AIR with
Cyclone PAPR Pro Kit**
P/N: 45XC90F2AIR