

... World's Best Vision



A world Leader brought to you by weldclass!

- **Jackson Safety:** One of the longest-standing and most respected global brands in welding protection
- **Balder Technology:** First ever to achieve 1/1/1/1 optical rating, providing amazing clarity of vision. Exclusive to the Jackson WH70 series
- **3 Year Warranty:** On the auto-darkening lens



Jackson WH70 - Electronic Lens with Balder Technology

Balder® Technology

World-leading auto-darkening technology.
Developed & Manufactured in Europe since 1979

1/1/1/1

World's best optical rating*

* Best possible rating under EN379 standard. Balder technology is first ever to achieve this

3 Year Warranty

World-leading reliability

Low-Profile External Controls

No need to remove or lift the helmet to adjust settings

- SHADE ADJUSTMENT 6-8 for Oxy or Plasma, 9-13 for Welding
- GRIND MODE FUNCTION
- SENSITIVITY adjusts to suit almost any arc welding environment
- DELAY adjusts switching time from dark back to light state

Wide-View Lens with 1/1/1/1 Optical Rating

Superb clarity of vision in both light state and during welding

Other Brand



Light

Jackson WH70



Light/Grind Mode



Dark/Welding



Dark/Welding

100% Solar Powered, 100% Reliable

No batteries to replace, no on/off buttons, ready to weld at any time.

Balder® Solar technology powers the lens from the welding arc in any environment, regardless of ambient light level.

Dual Sensors + Intelligent Sensing Technology

Enhanced ability to distinguish between the welding arc and other light sources.

Ultra reliable switching, even in the trickiest situations such as low amp TIG, Aluminium welding, stainless welding, etc

Conforms to AS1338.1

& Certified to EN379 by DINPLUS; the most rigorous and demanding level of certification.

TIG Optimised down to 1amp

The Ultimate TIG Welder's Helmet!



Shade Range Selector

Select either 6-8 or 9-13 mode. (Shade level is adjusted via external controls)



Jackson WH70 GDS Welding Helmet

High-Impact Rated
Tested & Conforms to
AS1337.1 High-Impact

Superior European Quality & Reliability
For Welding Professionals & Workshops
that demand the Ultimate in Productivity,
Safety & Comfort

**Low-Profile External
Controls with Grind Mode**
No need to remove helmet
when adjusting settings.
Exceptional clarity of vision
eliminates need to flip up
helmet when grinding

**Fast & Easy Cover Lens
Replacement**



WF70 GDS Electronic Lens
1/1/1 Rating!
See previous page for details



Slim Profile
Ease of access in
confined areas



Jackson '375' Headgear
Comfortable, robust,
easy to adjust. Precision
Engineered Components
for smooth operation &
firm latching in the up or
down position

**Lightweight &
Well Balanced**
Comfortable &
Easy to Wear...
all day long



*Your Eyes
Your Profession
Your Helmet!*

Part No.	Description	Unit
KC-J9916	Helmet - WH70 GDS	Each



Jackson WH70 GDS Welding Helmet - Respiratory Version

Superior European Quality & Reliability

For Welding Professionals & Workshops that demand the Ultimate in Productivity, Safety & Comfort

TH3 Rating

Highest possible rating for air particle purity inside the helmet, achieving 99.8% purity ($\leq 0.2\%$ inward leakage)

WH70 GDS Helmet

See previous pages for details

High-Impact Rated

Tested & Conforms to AS1337.1 High-Impact

Lightweight & Well Balanced

Comfortable & easy to wear... all day long

Unique Face Seal System

Push face into seal, pull face out to remove. Ultra-comfortable, no hoods or strings. Quick & easy replacement

Integrated Duct System

Tidy, Compact, No loose parts

Low-Profile External Controls with Grind Mode

No need to remove helmet when adjusting settings. Exceptional clarity of vision eliminates need to flip up helmet when grinding

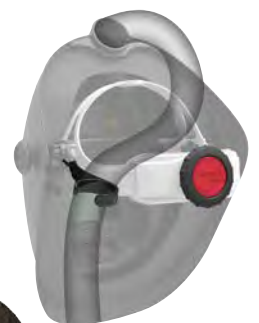


Hose Holder

Keeps hose secure & allows easy access to headgear adjustment knob

Adjustable Air Outlet

Located directly in breathing zone.



Jackson Airmax Elite Powered Air Respirator



Advanced Features, Simple to Operate

- Simple control with only one button
- Dual Airflow Settings (160 or 210 L/min)
- Automatic airflow control: Motor speed is electronically controlled to ensure constant flow rate regardless of the level of filter clogging or battery charge
- Audio, Visual and Vibrating Alarms indicate when battery charge &/or filter replacement is required

Heavy Duty Li-Ion Battery

Charging time of less than 3 hours, with up to 10 hours operating time

Slim, Lightweight & Comfortable

Low profile, only 980g, with ergonomic padded belt

Unique Dual-Filter System

Dual filters allow for a lower profile. Screw-in filter design ensures perfect seal every filter change

Jackson WH70 GDS Airmax - Complete Package

Package Includes

- Jackson WH70 GDS Air Helmet
- Jackson Airmax Elite Respirator
- Air Hose with Flameproof Cover
- Carry Bag

Tested & Conforms to;

- AS1716 - Respirator System
- AS1337.1 - Helmet (High-Impact)
- AS1338.1 - Welding Lens



For more info



Part No.	Description	Unit
KC-J5225/K	Helmet WH70 GDS Air + Airmax Elite System	Kit



Jackson Hard Hat System

Precision Engineered for Perfect Fit & Smooth Action

- Specifically designed for Jackson WH70 helmets
- Spring-Loaded Mechanism for Smooth Action & Positive Latching in raised or lowered position
- Firm Attachment, with Quick Release System to attach or detach helmet from hard hat

Light, Comfortable & Well Balanced
Lightweight with Centre of gravity close to the head to prevent fatigue



Easy to Fit

Remove existing Headgear, replace with Hard Hat adaptor kit

High Quality Hard-Hat
Ratched style Headgear for firm fit. Made in Europe & Conforms to AS1801



*A professional, High-Impact
Helmet & Hard Hat Solution !*

Part No.	Description	Unit
KC-J5234/K	Hard-Hat with Adaptor Kit	Kit

For more info





What Welders Say... Genuine WH70 Owner's Comments

"I found the helmet so clear I can see the weld pool and even watch for porosity or impurities. Watching the spatter spray off is cool too. I was used to just seeing blurs of light with my old helmet."

"I've had it for about 2 weeks and it's great. Best helmet I've worn.... Gotta love external controls and dials instead of buttons. I don't know how companies expect you to use buttons or tiny dials with gloves inside helmets..."

"As I do a lot of ID welding, I use the grind function on the helmet a lot. This is great to let me keep the helmet down so I don't get peripheral flashes, but can still clearly see around my work area. People think it's funny when they see me walking around the workshop with my helmet down so I don't see other welders arcs too."

"Jackson is one of the best I've seen! The three features that I found outstanding are; the Clarity of view is excellent (the best I have ever worked with), it was very Light as well so you could wear it all day and not really notice, and it also has the weld/grind switch feature on the outside of the helmet so even if you have welding gloves on you can change it over to grind only..."





Technical Data - Jackson WH70 GDS Helmet

Suitable Welding Processes	MIG, MMA/Stick & TIG (≥ 1 amp), Grinding, Plasma Cutting, Oxy Brazing & Cutting
Suitable Applications	Industrial fabrication, Part time & full-time welding, maintenance welding
Switching Speed	0.15 ms @ 230c
Arc Sensing	2 Sensors + Intelligent Sensing Technology
TIG Optimised	Yes. Suitable for low-amp TIG down to 1 amp
Pulse MIG Compatible	Yes
Power Supply	Primary Power: Solar Back-up power: Lithium battery (built in) Reliable switching in all conditions, due to exceptionally low power consumption and superior solar technology. Re-charging not required.
On / Off	Ready to use at any time, no switching required
Controls	Low Profile External Controls
Inactive Shade (Grind/Off)	Shade 4
Active Shade (Weld)	Externally Adjustable Dual Shade Range 6-8 (Oxy & Plasma) / 9 -13 (Welding)
Sensitivity	Externally Adjustable Low – High
Delay	Externally Adjustable 0.1–1.0 seconds
Grind Mode	Externally Switchable On/Off
Weight	Standard Version: 625g Respiratory Version: 790g (including air duct, not including hose)
Viewing Area	96 x 68.5mm
Magnification Lens Holder	Optional Mag Lens Holder Frame. Fits to inside of helmet & takes standard 108x51mm magnification lenses
Standards Compliance	Lens: AS1338 / CE EN379 – Certified by DINplus, Germany Helmet: AS1337:1 High Impact / CE EN 175 & DINplus – Certified by DIN Certo, Germany
Optical Rating / Technology	1/1/1 + Balder Technology Optical quality / Diffusion of light / Variation in luminous transmittance / Angle dependency For exceptional clarity of vision. Balder technology is first ever to achieve 1/1/1 rating.
Warranty	3 years (on Auto darkening lens)
Temperature Range	Operating -10 to +600c / Storage -10 to +400c
Materials	Plastics: High class polyamide Optics: LC-Elements, Polarisers, Glass Electronics: Printed circuit board, solar panel Cover Lenses: Polycarbonate Face Seal (Respiratory Version): Fire retardant cotton
Also Known as	Welding Welders Helmet Mask Hood, Automatic Electronic Auto Darkening Self Darkening Automatic flash-over, Balder BH3





Technical Data - Airmax Elite Respirator System

Description	<p>The JACKSON SAFETY AIRMAX ELITE system is for personal respiratory protection in dusty environments including areas with certain contaminants in the form of gases and vapours*.</p> <p>The belt mounted blower unit delivers air through a filter and via an air hose into the helmet. The supply of filtered air creates positive pressure inside the headpiece, which prevents external contaminated air from entering the user's breathing zone. The supply of clean air also ensures comfortable breathing without having to overcome the resistance of the filters.</p> <p>*Important: Refer to AS/NZS 1715 and EN 12941 and product manual for instructions on proper use and suitable applications.</p>
Air Flow / Controls	160 or 210 L/min with automatic/electronic airflow control to ensure constant flow rate regardless of filter clogging or battery charge level
Warning / Alarms	Visual, audible & vibration - when flow rate is below minimum 170L/min &/or when filter requires replacement &/or when battery requires charging
Battery Type	Replaceable & re-chargeable Li-Ion 14.4 V / 2.6 Ah
Operating Time	<p>On minimum flow rate (160L/min): 8-10 hours*</p> <p>On maximum flow rate (210L/min): 6-8 hours*</p> <p>*With a new filter and fully charged battery in a clean environment</p>
Charging Time	Less than 3 hours for full charge
Partial Charging	<p>Suitable for partial charging (will not affect battery charge memory).</p> <p>Approx 1 hour charge = 4 hours run time</p> <p>Approx 2 hour charge = 8 hours run time</p> <p>*With a new filter and fully charged battery in a clean environment, at 160L/min</p>
Charging Cycles	>500 charging cycles over life time of battery
Filter Type	P3 / P R SL
Protection Class	TH3 (99.8% Air particle purity / ≤0.2% inward leakage)
Filter Life	Will vary depending on many factors, including how much fume is generated in the working environment within a given time. Dual filter design & powerful motor extends filter life. Pre-filters should always be used and will extend filter life.
Noise Level	Max 70dB
Weight	Blower Unit Only: 980g / Blower Unit with Belt: 1250g
Belt Size	60 to 150cm circumference
Standards Compliance	AS1716 – Tested by Inspec UK / DIN EN 12941
Warranty	Blower Unit: 24 months / Battery: 6 months
Recommended Temperature	Operating +10 to +40oc / Storage -10 to +50oc
Recommended Humidity	Operating & Storage: 20-80% RH
Materials	Material/Plastics: PA, ABS, PU, PC, PES / Electronics: PC Board / Battery: Li-Ion
Use Limitations	<p>Must NOT be used:</p> <ul style="list-style-type: none"> • In atmosphere immediately hazardous to health &/or has oxygen content of less than 17% or contains unknown substances • In confined spaces or unventilated areas such as tanks, pipes, etc <p>Refer to instruction manual for other use limitations</p>



Spare Parts - Jackson WH70 GDS Helmet



Part No.	Description	Unit
KC-J9931	Clear Cover Lens - Outer	Pkt 10
KC-J9932	Clear Cover Lens - Inner 107x71mm	Pkt 10
KC-JLRF	Cover Lens Frame	Each
KC-J8570	Headgear	Each
KC-J9927	Auto-Darkening Cassette	Each
KC-J9933	Face Seal Flexi (Elasticised Style)	Each



Spare Parts - Airmax Elite Respirator System



Part No.	Description	Unit
KC-J5257	Main Filters (1pair)	Pair
KC-J5259	Pre-Filters - Standard (5pair)	Pkt 10
KC-J5276	Pre-Filters - Carbon / Odour (5pair)	Pkt 10
KC-J5262	Filter Cover Assy - 2 x Filter Cover, Spark Arrestor & Pre-Filter	Pair
KC-J5255	Air Hose with Flameproof Cover	Each
KC-J5256	Battery Charger	Each
KC-J5223	Battery Li-Ion 14.4V Heavy-Duty	Each
KC-J5254	Belt	Each

