

Updated 27.12.2017



A world Leader brought to you by weldclass!

- Jackson Safety: One of the longest-standing and most respected global brands in welding protection
- By Kimberly Clark... a 20 billion dollar global company with over 55,000 employees
- Balder Technology: First ever to achieve 1/1/1/1 optical rating, providing amazing clarity of vision. Exclusive to the Jackson WH70 series.
- 5 Year Warranty: The best welding helmet warranty world wide!



Exceptional Workplaces*









Updated 27.12.2017

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

5 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





Light





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 rigorus and demanding level of certification.

TIG Optimised down to 1ampThe Ultimate TIG Welder's Helmet!



level is adjusted via external controls)





Updated 27.12.2017

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 1/1/1/1 Rating! See previous page for details

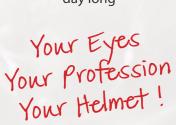






Jackson '375' Headgear Comfortable, robust, easy to adjust. Precision **Engineered Components** for smooth operation & firm latching in the up or down postion

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







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







Highest possible rating for air particle purity inside the

helmet, achieving 99.8% purity (≤0.2% inward leakage)

Updated 27.12.2017

Jackson WH70 GDS Welding Helmet - Respiratory Version

TH3 Rating

Superior European Quality & Reliability

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

Safety & Comfort

WH70 GDS Helmet

See previous pages for details

High-Impact Rated

Tested & Conforms to AS1337.1 High-Impact

Lightweight & Well Balaced

Comfortable & eay 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



Hose Holder

Keeps hose secure & allows easy access to headgear adjustment knob

Adjustable Air Outlet Located directly in

Located directly in breathing zone.



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





Updated 27.12.2017

Jackson Airmax Elite Powered Air Respirator



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

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







Updated 27.12.2017

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

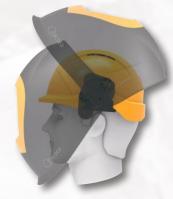
Light, Comfortable & Well Balanced Lightweight with Centre of gravity close to the head to prevent fatigue



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









Part No.DescriptionUnitKC-J5234/KHard-Hat with Adaptor KitKit

A professinal, High-Impact Helmet of Hard Hat nit Solution!





Jackson Magnification Lens Holder

- Takes standard 108x51mm magnification lenses
- Specifically designed for Jackson WH70 welding helmets
- Fits to inside of helmet
- Hinge & lock system holds mag lens firmly in desired position

Part No.	Description	Unit
KC-J9936	Mag Lens Holder	Each

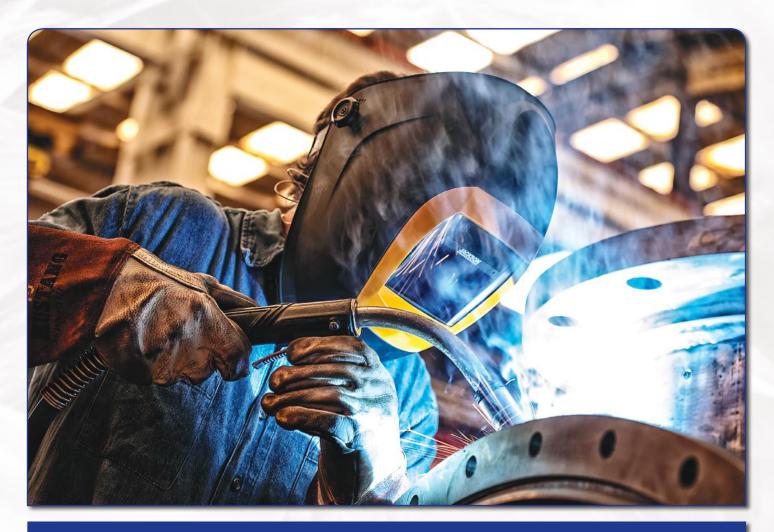








Updated 27.12.2017



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..."





Updated 27.12.2017

	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 @ 23oc
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	1/1/1/1 + 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 1/1/1/1 rating.
Warranty	5 years (on Auto darkening lens)
Temperature Range	Operating -10 to +60oc / Storage -10 to +40oc
Materials	Plastics: High class polyamide Optics: LC-Elements, Polarisers, Glass Electronics: Printed circuit board, solar panel Cover Lenses: Polycarbonate Face Seal (Respiatory Version): Fire retardant cotton
Also Known as	Welding Welders Helmet Mask Hood, Automatic Electronic Auto Darkening Self Darkening Automatic flash-over, Balder BH3





Updated 27.12.2017

Technical Data - Airmax Elite Respirator System			
Description	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*. 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. *Important: Refer to AS/NZS 1715 and EN 12941 and product manual for instructions on proper use and suitable applications.		
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-lon 14.4 V / 2.6 Ah		
Operating Time	On minimum flow rate (160L/min): 8-10 hours* On maximum flow rate (210L/min): 6-8 hours* *With a new filter and fully charged battery in a clean environment		
Charging Time	Less than 3 hours for full charge		
Partial Charging	Suitable for partial charging (will not affect battery charge memory). Approx 1 hour charge = 4 hours run time Approx 2 hour charge = 8 hours run time *With a new filter and fully charged battery in a clean environment, at 160L/min		
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 ex-tends 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-lon		
Use Limitations	 Must NOT be used: In atmosphere immediately hazardous to health &/or has oxygen content of less than 17% or contains unknown substances In confirmed spaces or unventilated areas such as tanks, pipes, etc Refer to instruction manual for other use limitations 		





Updated 27.12.2017

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

