



Technical Datasheet

RPB® Z3™ Welder

DESCRIPTION

The Z3 Welder is a powered and supplied air respirator for applications where there is a need for protection from airborne contaminants, and UV or IR, eye, face and head protection such as welding.

This respirator does not require face fit testing.

Type description

Loose fitting continuous flow supplied air respirator or powered air purifying respirator.

The Z3 offers a number of optional accessory items, including:

	Part #
Standard hard hat	S08
FM hard hat with speedy-loop	P2HN
FR breathing tube cover	04-854

Required components

- Z3 respirator headtop
- Face seal
- Breathing tube
- Flow control device and breathing airline, or RPB PAPR

Package numbers	Part #
Z3 Welder with PX4 Air® PAPR	13-109-FR
Z3 Welder with Constant Flow Valve	13-101

(additional configurations are available)

Application ranges (including but not limited to the following)

Welding, grinding, arc spray/metalization, plasma/oxy acetylene cutting, lancing and burning.



RPB Z3 Welder

APPROVALS & STANDARDS

ISO9001
CERTIFIED COMPANY

NIOSH
National Institute for
Occupational Safety and Health
PAPR & SAR Type C

ANSI
Z89.1
HARD HAT PROTECTION
Not all configurations conform to this standard.
Please visit rpb-safety.com for more details.
Z87+
EYE & FACE PROTECTION
Z87W
WELDING EYE PROTECTION

Protecting you for life's best moments.





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RPB® Z3™ Welder (continued)

REQUIRED COMPONENT OPTIONS

NIOSH approved breathing airlines - standard hose

Fitting type	Hose length	Part #
RPB	25ft breathing airline	NV2028
RPB	50ft breathing airline	NV2029
RPB	100ft breathing airline	NV2027
Schrader	25ft breathing airline	04-342-25
Schrader	50ft breathing airline	04-342-50
Schrader	100ft breathing airline	04-342-100
RZ	25ft breathing airline	04-352-25-RZ
RZ	50ft breathing airline	04-352-50-RZ
RZ	100ft breathing airline	04-352-100-RZ

Standard hoses maximum working length - 300ft
Max working pressure - 300psi

NIOSH approved breathing airlines - recoil hose

Fitting type	Hose length	Part #
RPB	15ft recoil hose*	04-412-15
RPB	25ft recoil hose*	04-412-25
Schrader	15ft recoil hose*	04-442-15
Schrader	25ft recoil hose*	04-442-25

Recoil hose maximum working length - 1 hose
Max working pressure - 300psi

CE & AS/NZS approved breathing airlines - standard hose

Fitting type	Hose length	Part #
CEJN	7.5m breathing airline	04-322-25
CEJN	15m breathing airline	04-322-50
CEJN	30m breathing airline	04-322-100

Max working length - 90m
Max working pressure - 20.7bar

Refer to instruction manual for more detail

Warranty

1 year for Z3 Weld Visor. 3 years for ADF lens.
Conditions apply, visit rpb.com/legal for full details.

REQUIRED COMPONENT OPTIONS

Fittings and couplers

NIOSH	RPB Quick Connect
	Schrader Twist Connect
	RPB RZ Quick Connect

Flow control devices

	Part #
C40™ Climate Control Device	03-501
Constant Flow Valve	03-101
Flow Control Valve	NV2016
PX4 Air® PAPR	03-901-FR
PX5® PAPR	03-801-FR

SPECIFICATIONS

Assigned Protection Factor

NIOSH	APF 1000+
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Operating temperature

14°F to 140°F / -10°C to 60°C

Storage temperature

14°F to 113°F / -10°C to 45°C <90%RH

Materials

Nylon	Injection molded parts
Polyurethane	Silencer foam
HDPE	Head suspension
Polycarbonate	Impact and protection lenses
FR Cotton	Face seal
Glass	ADF Lens

Weight

Z3 with ADF lens	1.7lbs / 771g
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ADF SPECIFICATIONS

Model	Ultra	Plus
Viewing Area (inches)	3.77 x 2.69	3.77 x 1.83
Weight	4.4oz	3.8oz
Open state shade	4	4
Closed state shade	9-13	9-13
Shade adjustment	Yes / internal	Yes / internal
Sensitivity adjustment	Yes / internal	Yes / internal
Delay adjustment	Yes / internal	Yes / internal
Grinding mode	No	No
Switching time at 23°C	0.15ms	0.15ms
Clearing time	0.1-1.0 s	0.1-1.0 s
UV / IR protection	UV16 / IR 16	UV16 / IR 16
Temperature range	14°F - 140°F	14°F - 140°F
TIG detection	Enhanced	Enhanced
Energy supplied	Solar cells / no battery charge	

LENS OPTIONS

Auto Darkening Lenses (ADF)	Part #
Plus Auto Darkening Lens	13-061
Ultra Auto Darkening Lens	13-062

Protective lenses (to protect ADF lens)	Part #
Front impact lens	13-052
Plus rear lens	13-053
Ultra rear lens	13-054

Magnifying lenses	Part #
1.0x	13-072-1
1.5x	13-072-1.5
2.0x	13-072-2
2.5x	13-072-2.5



Employers

Read the Z3 Welder and the flow control device instruction manuals and carry out the employer responsibilities.

Provide the manuals to all users.

Product users

Read the Z3 Welder and the flow control device instruction manual and follow the product user safety instructions.

Manuals are regularly updated.

Current version of manual and for other languages:

rpbafety.com/resources

Contact

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