



LOCKSMITHS

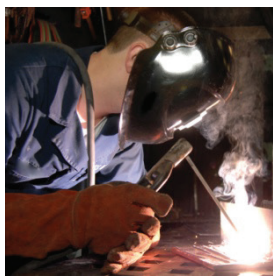
SAFE OPERATING PROCEDURE ELECTRIC WELDER

DO NOT use this equipment unless you have been instructed in its safe use and operation and given prior permission.

PERSONAL PROTECTIVE EQUIPMENT



 CLOSE FITTING PROTECTIVE CLOTHING MUST BE WORN	 WELDING MASK MUST BE WORN	 FOOT PROTECTION MUST BE WORN	 HAIR PROTECTION MUST BE WORN	 EYE PROTECTION MUST BE WORN	 OIL FREE LEATHER GLOVES AND SPATS MUST BE WORN WHEN WELDING	 SWITCH OFF WHEN NOT IN USE	 NO RINGS OR JEWELLERY TO BE WORN
✓	✓	✓	✓	✓	✓	✓	✓



- ✓ Ensure fume extraction unit is on before beginning welding operation.
- ✓ Ensure others are protected - close the UV curtain or erect UV safety screens.
- ✓ Ensure appropriate PPE is worn.
- ✓ Identify ON/OFF switch and emergency stop button (if applicable).

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Read Operators Manual and Risk assessment.
- ✓ Ensure the welder complies with relevant Australian Standards.
- ✓ Task (e.g. Drawings, instructions, specifications etc.) is clearly understood.
- ✓ Ensure the work area is clean and clear of grease, oil and any other flammable materials.
- ✓ Ensure no slip/trip hazards are present in workspaces and walkways.
- ✓ Keep the welding equipment, work area and gloves dry to avoid electric shocks.
- ✓ Ensure the gloves, welding gun/electrode holder and work leads are in good condition.
- ✓ Ensure the gloves are dry and free from holes to avoid electric shocks.

OPERATIONAL SAFETY CHECKS

- ✓ Keep welding leads as short as possible and coil them to minimise inductance.
- ✓ Ensure the electrode holder has no electrode in it before turning on the welder.
- ✓ Ensure current is correctly set according to electrode selection.
- ✓ Do not use bare hands and never wrap electrode leads around yourself.
- ✓ When welding is finished or interrupted, remove electrode stub from holder and switch off power source.

ENDING OPERATIONS AND CLEAN UP

- ✓ Close the shielding gas bottle valve and regulator.
- ✓ Ensure the welder and fume extraction are switched off.
- ✓ Hang up electrode holder and welding cables and leave the work area in a safe, clean and tidy state.

Date of last review	Name	Signature



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MAINTENANCE

- Maintenance must only be performed by qualified personnel in accordance with the Maintenance section of the Operators Manual.
- Ensure all equipment has been tested and tagged as per applicable state/territory regulations.
- This Safe Operating Procedure DOES NOT apply to any equipment that has been modified outside manufacturer's specifications.

POTENTIAL HAZARDS AND INJURIES

- Trips/slips with possible muscular skeletal injury
- Cuts & lacerations
- Electricity & electric shock
- Burns due to hot, molten materials
- Flying sparks
- UV radiation to skin & eyes
- Toxic fumes
- Fire

DON'T

- DO NOT operate equipment without wearing appropriate PPE.
- Use faulty equipment. Immediately report any suspect equipment & apply a DO NOT USE tag.



Date of last review	Name	Signature
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