

SAFE OPERATING PROCEDURE

Do not use this equipment unless you have been properly trained and instructed in its safe use and have been given prior permission.



A MASK MUST BE WORN WHEN EXCESSIVE AIRBORNE DUST IS CREATED



HEARING PROTECTION MAY BE REQUIRED FOR SOME OPERATIONS



SAFETY GLASSES MUST BE WORN AT ALL TIMES IN ADDITION TO A WELDING MASK



LOOSE OR LONG HAIR MUST BE CONTAINED. REMOVE EXPOSED RINGS OR JEWELLERY



STURDY FOOTWEAR WITH RUBBER SOLES MUST BE WORN



PROTECTIVE CLOTHING MUST BE WORN



A WELDING MASK WITH CORRECT GRADE LENS MUST BE WORN AT ALL TIMES WHILE



RESPIRATORY PROTECTION DEVICES MAY BE REQUIRED FOR SOME OPERATIONS

PRE-OPERATIONAL SAFETY CHECKS:

1. The task (e.g. Drawings, Instructions, Specifications etc.) is clearly understood.
2. Ensure the workspace is clear of grease, oil and an flammable materials.
3. Ensure the workspace is clean and there are no slip/ trip hazards present.
4. Always keep welding equipment, gloves and the work area dry to avoid electrical shocks.
5. Ensure electrode holder and work leads are in good condition.
6. Ensure that no other staff members are in the immediate area. Erect screens or curtains to protect others from flashes.
7. Ensure the fume extraction unit is on before beginning welding operations..
8. Never use faulty equipment, always report any suspected faulty equipment to the supervisor.
9. Ensure you are wearing the correct protective clothing, never use your bare hands to operate this equipment.

OPERATIONAL SAFETY CHECKS:

1. Keep welding leads as short as possible and coil them to minimise inductance.
2. Ensure that the electrode holder has no electrode in it before using the welding machine.
3. Ensure the current is correctly set according to the electrode selection.
4. Ensure your welding mask is down before commencing operation
5. When welding is finished or interrupted, remove electrode stub form the electrode holder and switch machine off.
6. Work cautiously to avoid flashes.

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HOUSE KEEPING

1. Switch off the machine and fume extraction unit once work is completed.
2. Remove electrode stub from the holder and switch off the power source.
3. Hang up welding gun and cables.
4. Leave the workspace in a safe, clean and tidy state.

POTENTIAL HAZARDS

- Electric shock
- Fumes.
- Radiation burns to eyes or body.
- Body burns due to hot or molten materials.
- Flying sparks.
- Fire.