

## WARNINGS - SAFETY RULES

### GENERAL ADVICE



These instructions must be read and understood before any operation. Any modification or maintenance not indicated in the manual must not be undertaken. Keep this instruction manual for future reference.

The manufacturer cannot be held responsible for any damage to persons or property resulting from use which does not comply with the instructions in this manual.

In the event of any problem or uncertainty, consult a qualified person to ensure correct handling of the installation. These instructions cover the equipment as delivered. It is the responsibility of the user to carry out a risk analysis in the event of failure to comply with these instructions.

### WELDING FUMES AND GASES



The fumes, gases and dusts emitted by welding are hazardous to health. Sufficient ventilation must be provided, and an air supply is sometimes necessary. A fresh air mask can be a solution if ventilation is inadequate. Check that the extraction system is effective by checking it against safety standards.

Caution Welding in small spaces requires supervision from a safe distance. In addition, soldering certain materials containing lead, cadmium, zinc or mercury, or even beryllium, can be particularly harmful.

Cylinders must be stored in open or well-ventilated premises. They should be kept upright and secured to a support or trolley. Do not weld near grease or paint.

### ELECTRICAL SAFETY



The electrical network used must be earthed. An electric shock can cause a serious direct or indirect accident, or even death.

Never touch live parts inside or outside the live current source (cables, electrodes, arms, gun, etc.) as these are connected to the welding circuit. Before opening the welding current source, disconnect it from the mains and wait 2 minutes to allow all the capacitors to discharge.

If the cables, electrodes or arms are damaged, they must be replaced by qualified and authorised personnel. Size the cable cross-section to suit the application. Always use dry clothing in good condition to insulate yourself from the welding circuit. Wear insulated footwear, whatever the working environment.



#### **Warning! Very hot surface. Risk of burns.**

- Hot parts and equipment can cause burns.
- Do not touch hot parts with bare hands.
- Wait for parts and equipment to cool before handling them.
- In the event of burns, rinse with plenty of water and consult a doctor immediately.

### RISK OF FIRE AND EXPLOSION



The welding area must be completely protected, with flammable materials at least 11 metres away. Fire-fighting equipment must be present in the vicinity of welding operations.

Beware of hot material or sparks being projected, even through cracks, as these can be a source of fire or explosion. Keep people, flammable objects and pressurised containers at a safe distance.

Do not weld in closed containers or tubes, and if they are open, empty them of all flammable or explosive materials (oil, fuel, gas residues, etc.). Grinding operations must not be directed towards the welding current source or towards flammable materials.

**PERSONAL PROTECTION AND PROTECTION OF OTHERS**

Resistance welding can be dangerous and cause serious injury or death. It is intended for use by qualified personnel who have received appropriate training in the use of the machine (e.g. bodybuilder training).

Welding exposes people to a dangerous source of heat, sparks, electromagnetic fields (take care if you have a pacemaker), risk of electrocution, noise and gaseous emissions.

To protect yourself and others, follow the safety instructions below:



To protect yourself from burns and radiation, wear cuffless, insulating, dry, fireproof clothing in good condition that covers the whole body.



Use gloves that guarantee electrical and thermal insulation.



Use welding protection and/or a welding bonnet with a sufficient level of protection (variable depending on the application). Protect your eyes during cleaning operations. Contact lenses are particularly forbidden.

It is sometimes necessary to delimit areas with fireproof curtains to protect the area from splashes and incandescent waste. Inform people in the welding area to wear appropriate clothing to protect themselves.



Use noise-cancelling headphones if the welding process reaches a noise level above the authorised limit (the same applies to anyone in the welding area).

Keep hands, hair and clothing away from moving parts (fan, electrodes, etc.).  
The manufacturer cannot be held responsible in the event of an accident.



Parts which have just been welded are hot and can cause burns when handled. When servicing the gun, make sure it is sufficiently cold by waiting at least 10 minutes before servicing. The cooling unit must be switched on when using water-cooled pliers to ensure that the liquid cannot cause burns.

It is important to secure the work area before leaving it in order to protect people and property.

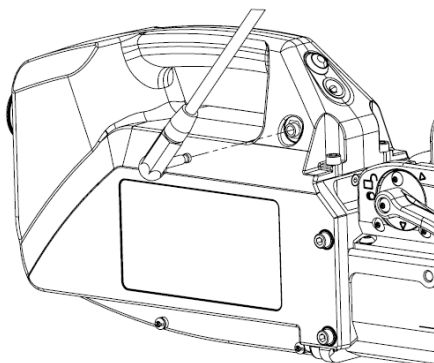
## DESCRIPTION - PRODUCT OPERATION

The gun can be used to weld in normal or manual mode:

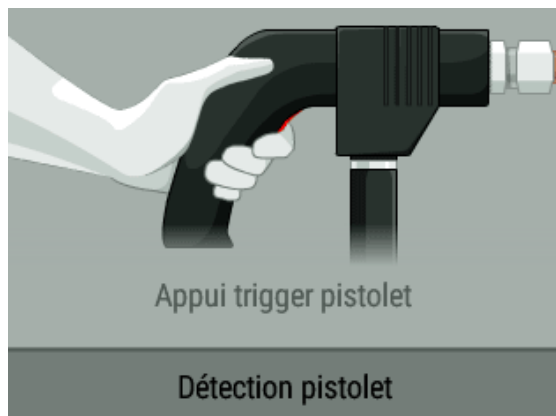
- In Normal mode, the gun will be limited to sheet metal with a maximum thickness of 1.5 mm. The gun can be used with the following tools: single-point, star, impact, shrink-fit heater, stud, rivet, nut, knurl.
- In Manual mode, the maximum current allowed will be 8 kA for a period not exceeding 500 ms.

### USE

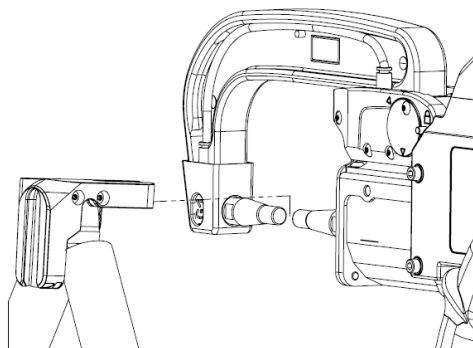
Machine running, connect the gun control cable to the jack on the handle of the gun.



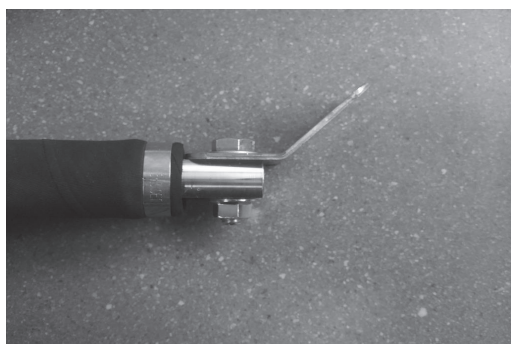
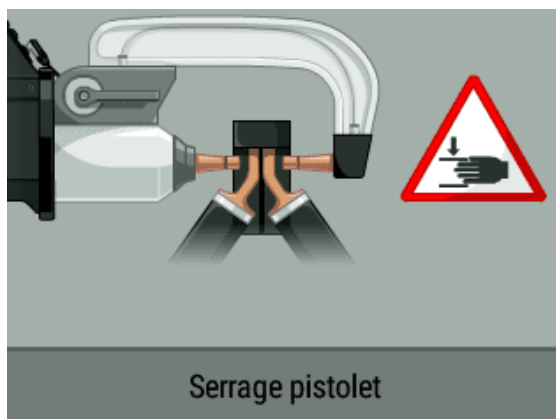
A message appears on the screen asking you to press the gun trigger.



Fit the gun manifold.



Press the trigger until the gun locks.



- Check that the screw connecting the pad to the cable lug is tight.
- Firmly attach the earth pad as close as possible to the area to be welded.
- In the case of single-spot gun welding, always place the earth pad on the sheet that is not in contact with the welding electrode (so that the current passes through both sheets to be welded).
- Weld starting from the point furthest away from the earth, then move towards it.

**Note:** It is recommended to use a G1 arm to obtain the best performance from the Quick Fix single-point gun.