

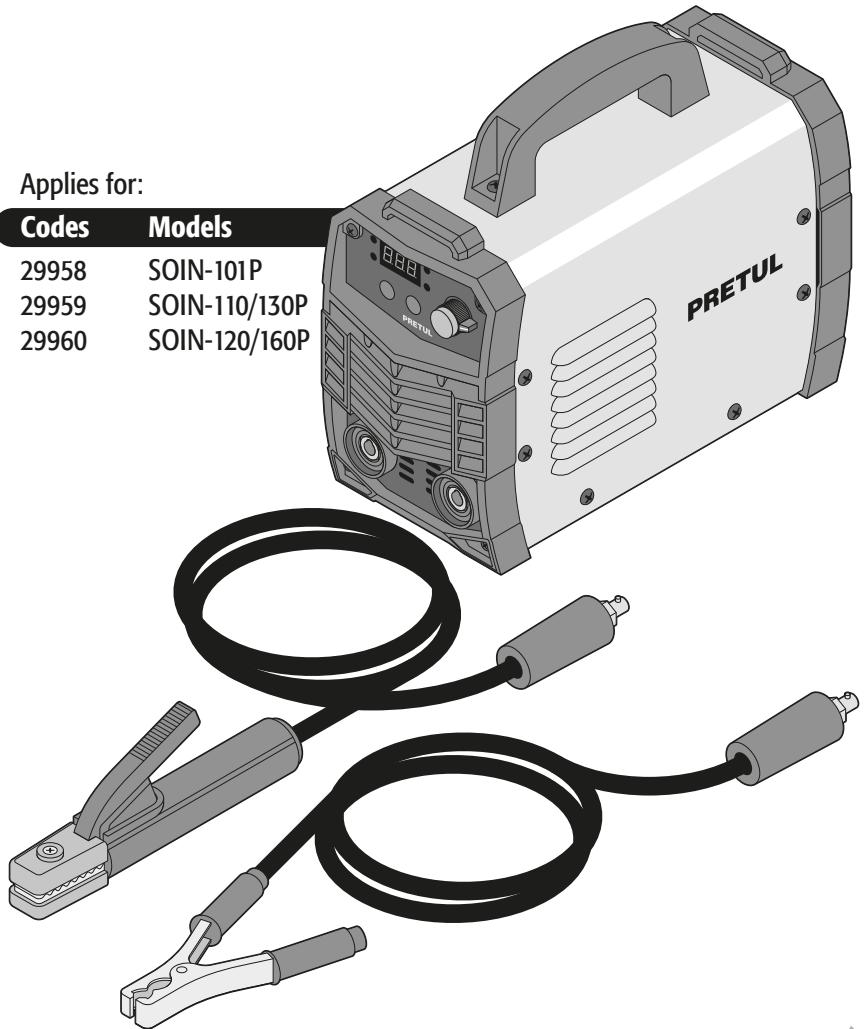
Manual

Inverter Welder

60%
Work Cycle

Applies for:

Codes	Models
29958	SOIN-101P
29959	SOIN-110/130P
29960	SOIN-120/160P

**CAUTION**Read this manual thoroughly
before using the tool.

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CAUTION

To gain the best performance of the tool, prolong the duty life, make the Warranty valid if necessary, and to avoid hazards of fatal injuries please read and understand this Manual before using the tool.

Keep this manual for future references.

The illustrations in this manual are for reference only. They might be different from the real tool.

Use and care recommendations

**THERMAL
PROTECT**

When the machine overheats, the termal protector will activate, turning the welder off and turning the LED light ALARM on. Let the welder cool for 15 minutes and turn it back on.

It is recommended to use a **12 AWG** extension cord and connect it to an **INDEPENDENT CHARGING CENTER**.

Perform periodic **MAINTENANCE** to your machine. (Page 11)

	SOIN-101P	SOIN-110/130P	SOIN-120/160P
Codes •	29958	29959	29960
Description •	Inverter Welder		
Input Voltage •	127 V~ / 50 Hz - 60 Hz	127 V~ / 220 V~ / 50 Hz - 60 Hz	
Rated Input Capacity •	3.5 kVA	3.9 kVA / 5.2 kVA	4.8 kVA / 6.8 kVA
Open Circuit Voltage •	69 V c.c.		127 V~ - 80 V c.c. 220 V~ - 70 V c.c.
Power Factor •	$\text{COS } \varphi = 0.73$		
Current Range •	20 A - 100 A	20 A - 110 A / 20 A - 130 A	20 A - 120 A / 20 A - 160 A
Rated Duty Cycle •	60% 6 minutes' work per 4 minutes' rest. Output values specified are with a 68°F. Temperatures higher than the work cycle may be reduced.		
Electrode •	SMAW: 3/32" - 1/8" TIG: 0.040"	SMAW: 3/32" - 1/8" - 5/32" TIG: 0.040"	SMAW: 3/32" - 1/8" - 5/32" TIG: 0.040" - 0.062"
Dimension •	11.8" x 4.7" x 9"		
Weight •	6.3 lb	7.2 lb	7.4 lb
Insulation •	Class I	IP Grade •	
Conductors •	SOIN -101P: 14 AWG x 3C with 221 °F insulation temperature SOIN -110/130P & SOIN-120/160P: 12 AWG x 3C with 221 °F insulation temperature		

Power cord grips: Type "Y".

Build quality: Basic insulation.

Thermal insulation on motor winding: Class H

⚠️ WARNING Avoid the risk of electric shock or severe injury. When the power cable gets damaged it should only be replaced by the manufacturer or at a  **TRUPER®** Authorized Service Center. The build quality of the electric insulation is altered if spills or liquid gets into the tool while in use. Do not expose to rain, liquids and/or dampness.

⚠️ WARNING Before gaining access to the terminals all power sources should be disconnected.



Power Requirements

⚠️ WARNING If faults or breakdowns happen. Ground connection offers a trajectory with minimum resistance for electric power. It reduces the risk of electric shock. This tool is built with a power cable with an earth conductor and a plug with ground connection. The plug shall be connected into a power outlet installed and grounded according to all local codes.

⚠️ WARNING Do not modify the plug supplied. If the plug cannot be fitted to the socket, have a qualified electrician to install the suitable socket.

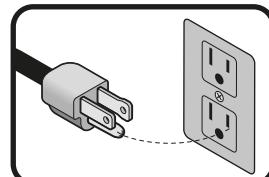
- When using the welder together with more tools using the same ground connect those in parallel, never connect a series.

⚠️ CAUTION • The gauge of the ground conductor cable shall not be of a smaller gauge than the power supply cable.

⚠️ CAUTION • Connection to the power supply shall only be carried out by a professional electrician.

⚠️ CAUTION • Double check the input connection voltage stipulated in the welder nameplate matches the power supply voltage.

⚠️ CAUTION • The power supply cord shall meet the following requisites:



Switch	$\geq 30\text{ A}$
Fuse (Work Rated Current)	30 A (*)
Electric Wire	$\geq 2.5\text{ mm}^2$

• If extensions between the welder and the work piece are needed, the soldering cable gauge shall be increased to keep the welder energy output with a potential drop not higher than 4 V

* The current for fuse fusion is double of its rated current.

⚠ WARNING! Read carefully all safety warnings and instructions listed below. Failure to comply with any of these warnings may result in electric shock, fire and / or severe damage. Save all warnings and instructions for future references.

Work area**Keep your work area clean, and well lit.**

Cluttered and dark areas may cause accidents.

**Never use the tool in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**

Sparks generated by power tools may ignite the flammable material.

**Keep children and bystanders at a safe distance while operating the tool.**

Distractions may cause loss of control.

**Electrical Safety****The tool plug must match the power outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.**

Modified plugs and different power outlets increase the risk of electric shock.

**Avoid body contact with grounded surfaces, such as pipes, radiators, electric ranges and refrigerators.**

The risk of electric shock increases if your body is grounded.

Do not expose the tool to rain or wet conditions.

Water entering into the tool increases the risk of electric shock.

Do not force the cord. Never use the cord to carry, lift or unplug the tool. Keep the cord away from heat, oil, sharp edges or moving parts.

Damaged or entangled cords increase the risk of electric shock.

When operating a tool outdoors, use an extension cord suitable for outdoor use.

Using an adequate outdoor extension cord reduces the risk of electric shock.

If operating the tool in a damp location cannot be avoided, use a ground fault circuit interrupter (GFCI) protected supply.

Using a GFCI reduces the risk of electric shock.

Personal safety**Stay alert, watch what you are doing and use common sense when operating a tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.**

A moment of distraction while operating the tool may result in personal injury.

Use personal protective equipment. Always wear eye protection.

Protective equipment such as safety glasses, anti-dust mask, non-skid shoes, hard hats and hearing protection used in the right conditions significantly reduce personal injury.

**Prevent unintentional starting up. Ensure the switch is in the "OFF" position before connecting into the power source and / or battery as well as when carrying the tool.**

Transporting power tools with the finger on the switch or connecting power tools with the switch in the "ON" position may cause accidents.

Remove any wrench or vice before turning the power tool on.

Wrenches or vices left attached to rotating parts of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times.

This enables a better control on the tool during unexpected situations.

Dress properly. Do not wear loose clothing or jewelry. Keep hair, clothes and gloves away from the moving parts.

Loose clothes or long hair may get caught in moving parts.

**If you have dust extraction and collection devices connected onto the tool, inspect their connections and use them correctly.**

Using these devices reduce dust-related risks.

Power Tools Use and Care**Do not force the tool. Use the adequate tool for your application.**

The correct tool delivers a better and safer job at the rate for which it was designed.

Do not use the tool if the switch is not working properly.

Any power tool that cannot be turned ON or OFF is dangerous and should be repaired before operating.

Disconnect the tool from the power source and / or battery before making any adjustments, changing accessories or storing.

These measures reduce the risk of accidentally starting the tool.

**Store tools out of the reach of children. Do not allow persons that are not familiar with the tool or its instructions to operate the tool.**

Power tools are dangerous in the hands of untrained users.

Service the tool. Check the mobile parts are not misaligned or stuck. There should not be broken parts or other conditions that may affect its operation. Repair any damage before using the tool.

Most accidents are caused due to poor maintenance to the tools.

**Use the tool, components and accessories in accordance with these instructions and the projected way to use it for the type of tool when in adequate working conditions.**

Using the tool for applications different from those it was designed for, could result in a hazardous situation.

Service**Repair the tool in a TRUPER® Authorized Service Center using only identical spare parts.**

This will ensure that the safety of the power tool is maintained.

Safety Warnings for Inverter Welders

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Protection Equipment for Welding

- ⚠ WARNING** • Wear a welding mask to protect eyes and face when soldering. Assure the mask protective glass shade is adequate for the soldering process to carry out.
- ⚠ CAUTION** • Wear leather gloves specially made for welding as well as leather dungarees and gaiter.
- Wear robust clothing and long sleeves made of fire-resistant materials such as wool or leather.
 - Use special screens or curtains to insulate the work place from passersby, to protect them from sparks, flares and slag originated by the soldering process.
 - Benches and work tables where work pieces shall rest, must have orifices or slots that can easily let through residues originated by the soldering process.



Prevent Electric Shock

- ⚠ CAUTION** • Verify there is a safe connection for the input and output cables. They shall be correctly insulated and the connections in good repair (check and eliminate any possibility of electric shock).
- ⚠ CAUTION** • Double check the welder is plugged to a reliable ground connection.
- ⚠ CAUTION** • Do not expose the welder to rain or humidity.
- ⚠ CAUTION** • The user shall be insulated from the work piece and ground connection stepping onto insulating and dry mats.
- ⚠ DANGER** • For any reason touch the two poles in the welder circuit (welding stick and work piece).
- ⚠ WARNING** • Do not try to adjust the welder current when carrying out a soldering job.
- ⚠ CAUTION** • Connect the ground clamp to the work piece as close as possible to the welding zone. This prevents the current to flow long distances and eliminate the possibility of short circuit.
- ⚠ WARNING** • The work piece shall make contact with the ground connection clamp before operating the welder. Do not disconnect until finishing welding because it can lead to an electric discharge and severe injury.
- ⚠ WARNING** • Disconnect the welder from the power supply before carrying any maintenance jobs.



Fire Prevention

- ⚠ CAUTION** • Have always handy a fire extinguisher in good conditions.
- ⚠ WARNING** • There shall not be flammable or explosive materials in the work area (no less than 36'). Do not carry out soldering jobs where the sparks can reach or fall onto flammable or explosive materials.
- ⚠ WARNING** • Soldering sparks may cause explosion or fire.



Prevent Health Risks

- ⚠ WARNING** • Vapor and gases produced while soldering is dangerous to your health. Work in well ventilated areas or with adequate ventilation systems.
- ⚠ WARNING** • Do not breath in smokes and gasses emanated from the soldering process. Keep your head away from vapors.
- ⚠ DANGER** • If ventilation is poor use an adequate autonomous breathing device because the gases generated when soldering may displace air and cause a fatal accident.
- ⚠ CAUTION** • Do not operate the welder near de-greasing agents, cleaning products or aerosol containers. Heat and radiation from the welding process may react to those vapors forming toxic gases.
- ⚠ CAUTION** • Avoid soldering metals covered in lead, zinc or cadmium. Those materials generate toxic gases. Otherwise, remove the covering from the welding area. Make sure the work area is well ventilated or wear an adequate autonomous breathing device.



Prevent Injuries and Accidents

- ⚠ WARNING** • Risks of electric shock:

An electric shock coming from the soldering electrode may cause death. Do not weld under rain or snow. Do not touch the electrode with your bare hands. Do not wear damp or damaged gloves. Personal protection against electric shock: insulation from the work piece. Do not open the equipment enclosure. Do not weld on top of drums or any closed container.

⚠ WARNING • Risks generated by the welding arc: Radiation coming out from the arc may burn eyes and damage skin. Wear face mask and protection glasses. Wear hearing protection and protective clothes that protect skin up to the neck. Wear full-body protective clothes.



⚠ WARNING • Risk induced by electro-magnetic fields: Welding current produces electro-magnetic fields. Do not use this power source if having a medical implant. Never roll up the welding cable around your body. Set together and parallel both welding cables so the fields of each cable counteract.



⚠ WARNING • Do not use the welder power source to de-ice pipes.

⚠ CAUTION • Never allow unexperienced people to dismantle or regulate the welder.

⚠ WARNING • Double check that the operator and the welder are away from the sparks and residues trajectory originated by the soldering process.

• The welder shall be operated in a place protected from sun and rain. Away from places where violent vibrations are present.

• Store the welder in a place free of humidity with a range of temperature from -13 °F to 131 °F

⚠ CAUTION • The welder power source base should be tilted at a maximum of 10° to avoid tipping.

• There shall be a 11.8" space around the welding machine to allow good ventilation.

⚠ WARNING • Range of ambient temperature when welding 14 °F to 104 °F

⚠ CAUTION • Double check no foreign metal piece is inside the welder.

⚠ WARNING • Any problem with the welder that cannot be fixed by the operator making the adjustments needed for a good welding job shall be carry out in a **TRUPER®** Authorized Service Center. For any reason try to open the welder housing to carry out any type of maintenance.

Use of Compressed Gas Cylinders

⚠ WARNING • Compressed gas cylinders are widely used in many welding processes. If not stored, handled, inspected and used adequately compressed gas cylinders may be fatal. Can explode or turn into missiles, drawing such force they can even break brick walls.

⚠ CAUTION • Inspect the cylinders. Look for external corrosion, indentation, lumps, holes of wells. If in doubt about any imperfection observed is acceptable for those guidelines, stop using the cylinder. Consult the gas safety page before using it.

⚠ CAUTION • Many compressed gases not only represent a physical hazard but also dangerous to your health. Be sure you learn the danger to your health and how to be protected. Always follow the use and handling caution measures provided in the safety page.

⚠ CAUTION • Never set the cylinders next to heat or flame or where they can be part of an electric circuit. Do not use them as a source of ground during the electric welding process.

⚠ WARNING • Wear safety glasses and a protective mask when connecting and disconnecting regulators and lines to the cylinder.

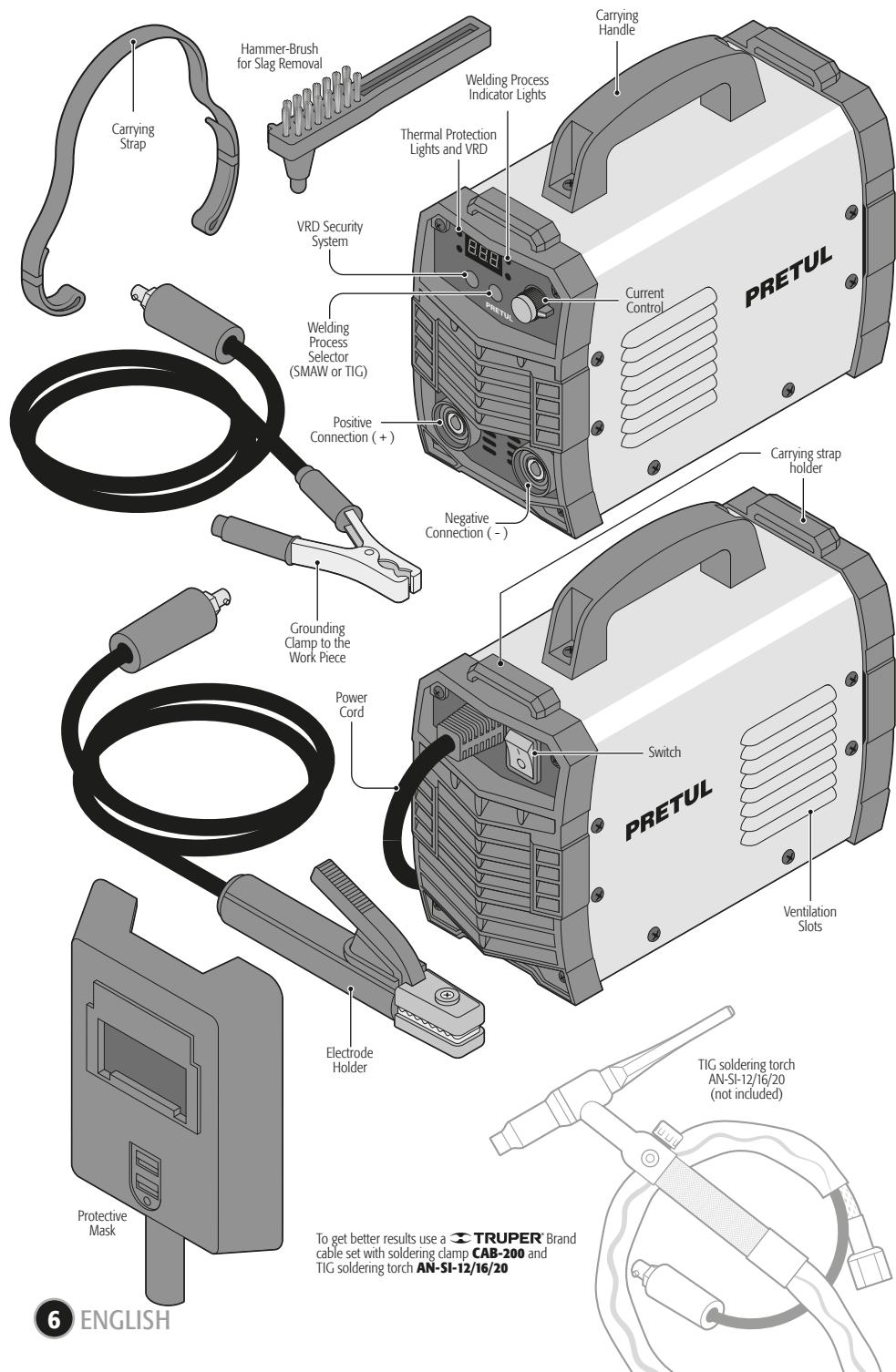
⚠ CAUTION • Close the cylinder valve to release pressure before removing the regulator and when not in use. Cylinders shall be stored with a visible identification and with the pressure valve cap fitted.

⚠ CAUTION • Purge the gas passage before using a new cylinder. Stand to one side of the cylinder valve, never face up. Open and close the valve quickly to expel any foreign particles that may be lodged in the valve before attaching the gas regulator to the cylinder.

• Adjust the pressure appropriately so as not to waste gas. If regulators indicate extreme pressure, correct immediately.

⚠ CAUTION • Purge the entire system after each use. DO NOT disconnect equipment with cylinder valves open. • In case of leak, move cylinder to open area and report immediately to your Supervisor or Civil Protection.

ENGLISH



To get better results use a  TRUPER® Brand cable set with soldering clamp CAB-200 and TIG soldering torch AN-SI-12/16/20

Installation (SMAW)

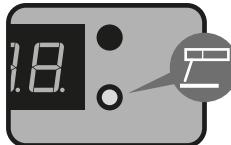
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Connections

⚠ CAUTION To prevent an electric shock, the user must see the information in "Power Requirements" in page 3 and 5.

- The fast connections of the electrode holder and the ground clamp are inserted and turned one quarter of a turn in a clockwise direction in the outlets set in the front panel to secure perfectly.
- Press the process selector to set the welder working in SMAW mode (coated electrode).

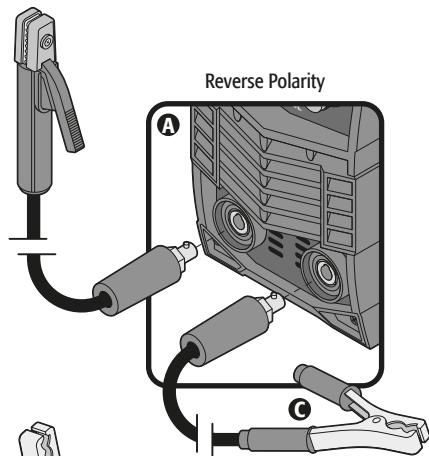
⚠ NOTE The upper LED in the selector will light on.



Reverse Polarity (A)

- Connect the grounding clamp cable to the negative (-) output clamping screw of the welder.
- Connect the grounding clamp (C) to the work piece.
- Connect the electrode holder cable to the positive (+) output clamping screw of the welder.

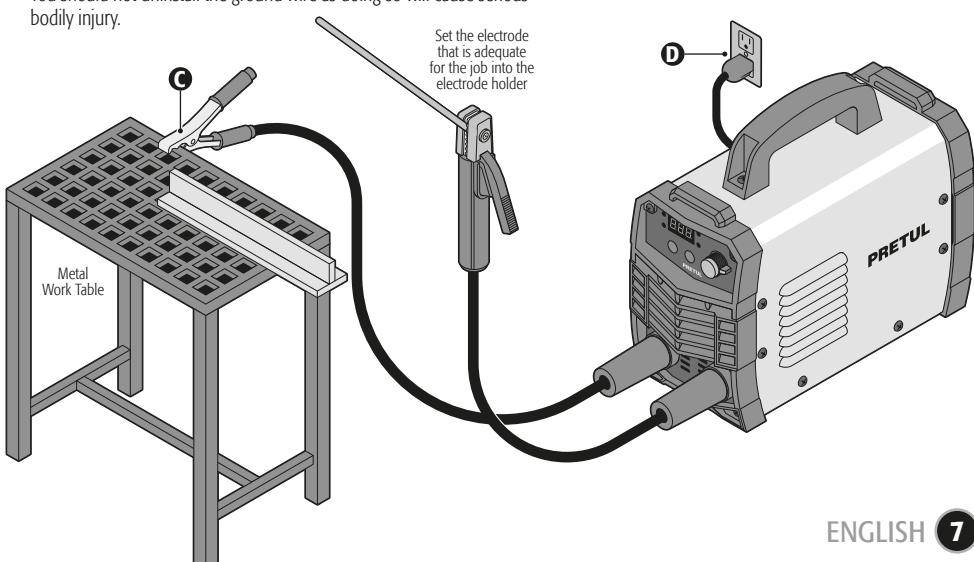
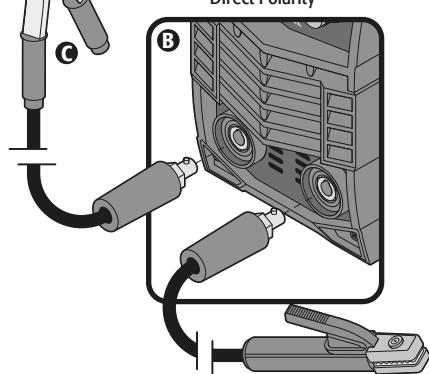
This configuration generates more heat in the electrode, which produce more penetration with basic electrodes, making it ideal to weld thick pieces.



Direct Polarity (B)

- Connect the grounding clamp cable to the positive (+) output.
 - Connect the grounding clamp (C) to the work piece.
 - Connect the electrode holder cable to the negative (-) output.
- This configuration generates more heat in the work piece, thus producing less malformation in the work piece and narrower joints making it ideal for thin pieces.
- Connect the power cable (D) to the power network to the work voltage (127 V~/220 V~). **⚠ NOTE** The welding automatically detects the working voltage (it is not necessary to make any type of connection).

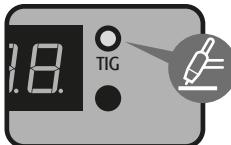
⚠ CAUTION Before using the welder it must be properly grounded. You should not uninstall the ground wire as doing so will cause serious bodily injury.



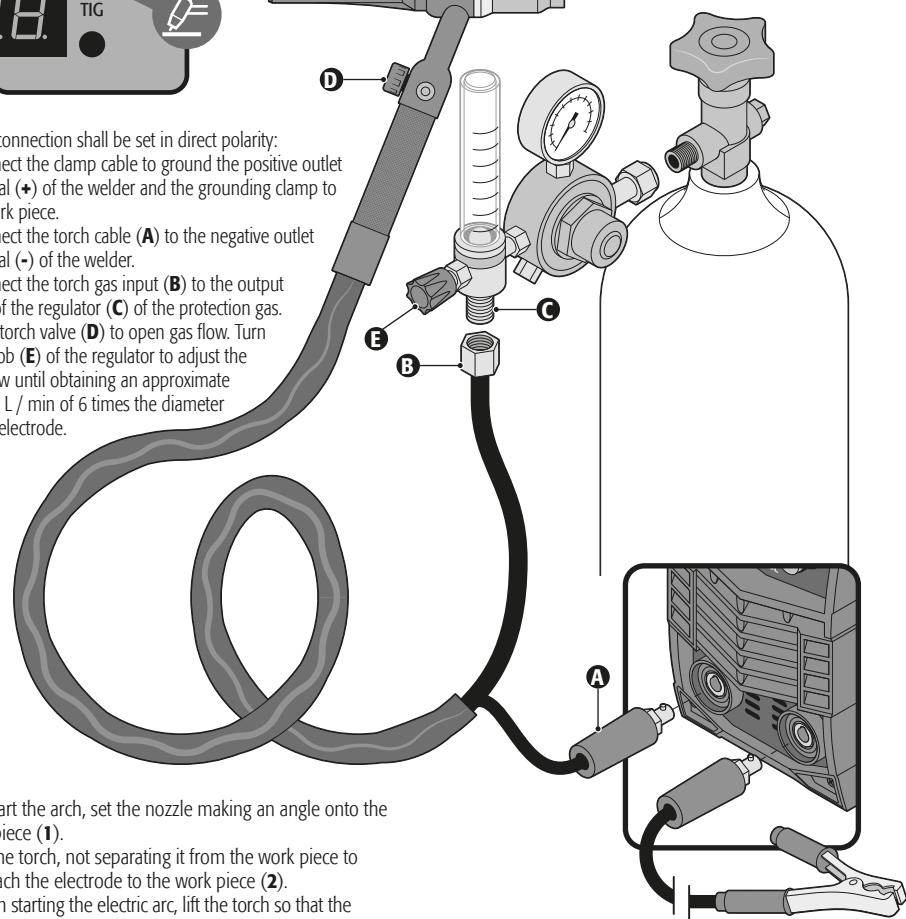
TIG Connection

- This inverter welder can also be used for TIG welding, a high-quality welding process with non-consumable tungsten electrodes and arch protected with inert gas like argon gas o helium.
- TIG welding is ideal to weld stainless steel, iron and copper.
- With this process, a AN-SI-12/16/20 torch and a can of protective gas are required (not included).
- Press the process selector to make the welder into the TIG mode. (Tungsten electrode).

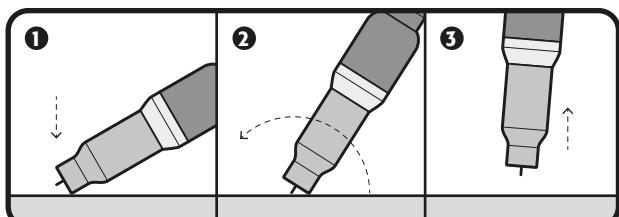
⚠ NOTE The upper LED of the selector will light up.



- The connection shall be set in direct polarity:
- Connect the clamp cable to ground the positive outlet terminal (+) of the welder and the grounding clamp to the work piece.
- Connect the torch cable (A) to the negative outlet terminal (-) of the welder.
- Connect the torch gas input (B) to the output valve of the regulator (C) of the protection gas.
- Turn torch valve (D) to open gas flow. Turn the knob (E) of the regulator to adjust the gas flow until obtaining an approximate flow in L / min of 6 times the diameter of the electrode.

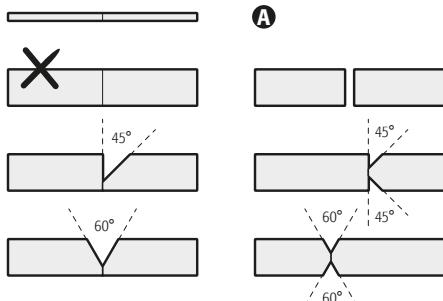


- To start the arch, set the nozzle making an angle onto the work piece (1).
- Lift the torch, not separating it from the work piece to approach the electrode to the work piece (2).
- When starting the electric arc, lift the torch so that the electrode tip is 0.08" away from the work piece (3) and start welding.
- It is advisable to keep the electrode 90° vertical during the welding to guarantee the protection of the gas.



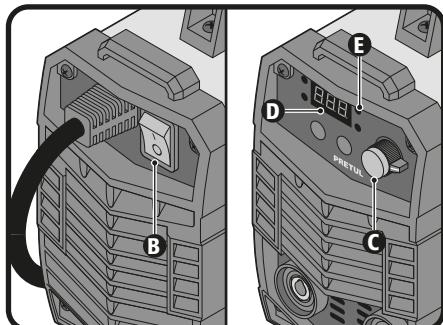
Preparation

- Only through experience, practice and care a good welding process can be guaranteed.
- The factors arousing in the welding process are many: current required, distance between the electrode and the work piece, speed and direction of the welding, thickness and type of material, position of the work piece and welding direction, and also, the gauge, material and covering of the electrode. Thus, it is advisable that before carrying out a weld, try to practice in scrap material to determine which are the specific requirements for the job ahead.
- The area in the work pieces where the weld is to be applied shall be clean, free of oxidation and paint.
- The joints between sheets with calibers larger than 1/8" shall be beveled so the weld will be adequate (A).



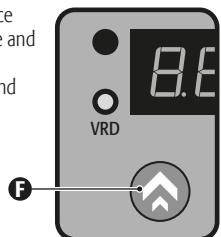
Welding

- Set the switch (B) in the ON position I.
- Adjust the current control adjustment (C) until reaching the adequate arch current and intensity suitable for the job. Current is indicated in the panel screen (D).
- Hold the electrode holder or torch in the most comfortable position possible. Be aware that during the welding process, the angle, movement and distance with regards to the work piece shall be constant and uniform.
- Aim the electrode tip towards the joint to be welded to generate the electric arc and be able to start welding.
- Once the arch is ON start welding, keeping always the electrode tip 0,08" away from the work piece. If welding with the electrode onto the work piece, it could stick and the weld would have a poor quality.
- In the event of overheating, the welder will stop working and the two thermal protection indicating lights (E) will be ON. Do not turn OFF the welder. Wait for the indicator lights turns OFF to use it again.



VRD security system

- Activate the VRD (Voltage Reduction Device) system by pressing the button (F) to reduce voltage during the bait phase to prevent possible discharge to the operator.
- It is recommended to activate it in risky situations, such as when welding in confined spaces, wet environments, working in heights and in mining industry.
- When the VRD system is activated it is necessary to force contact between the electrode and the workpiece for up to two seconds to generate the arc and start welding.



Slag Removal

- Upon finishing the welding job, use a wire brush to remove slag from the welding joint surface.
- CAUTION** • Wait until the slag has cooled down and hardened to be able to remove it.
- When hitting or brushing slag to remove it, there can be particles shooting out. Wear eye protection and keep bystanders away.



Electrode Replacement

SMAW:

- When the electrode has burned 0.4" to 0.7" from the electrode holder, replace it with a new one to be able to keep on welding.

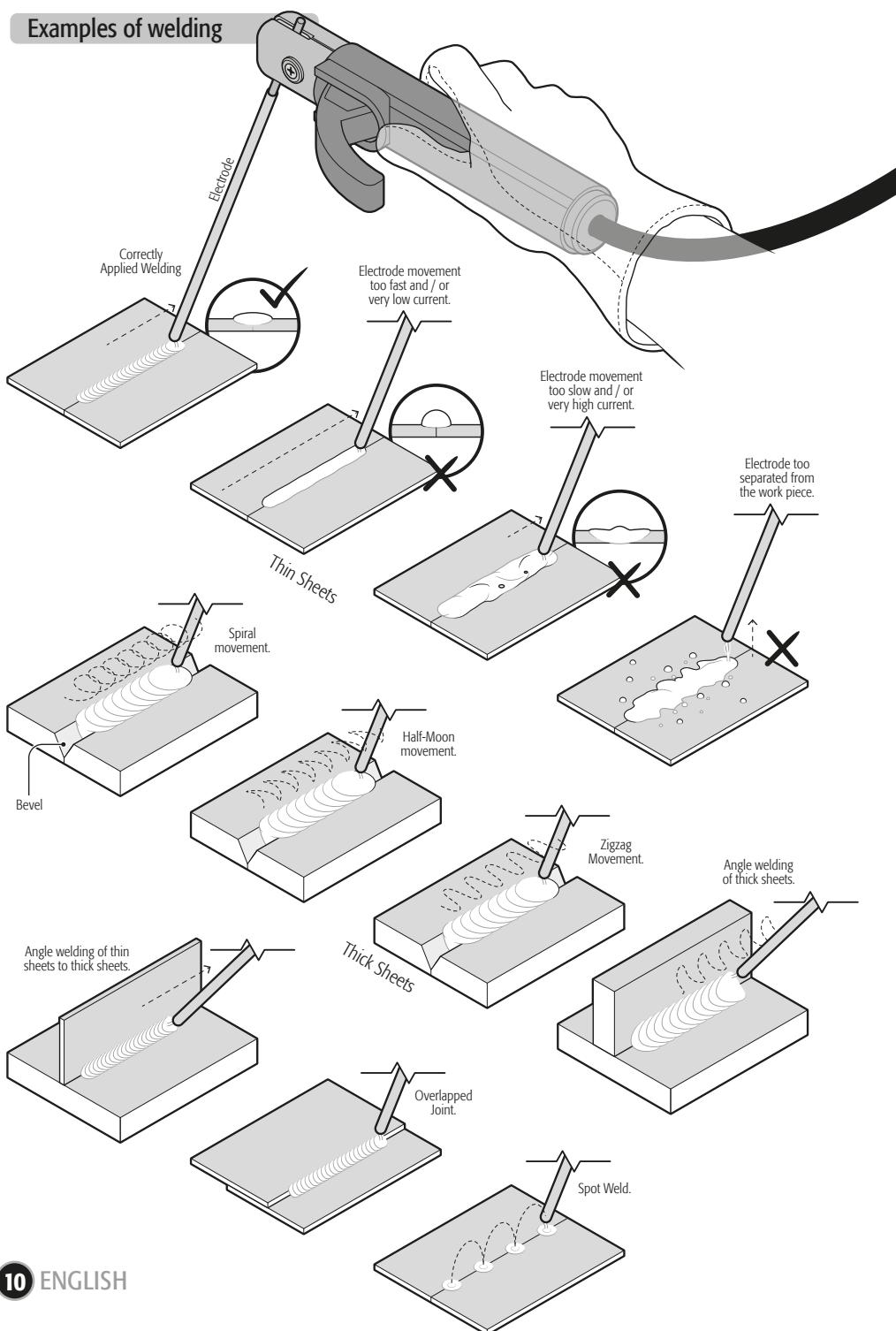
- CAUTION** • The electrode burns in high temperatures. Do not try to handle the electrode remains with your hand. Put the remains in a metal container.
- Open the electrode holder tong to hold the uncovered end of the new electrode. Do not hold the electrode in the covered part.

TIG:

- Tungsten electrodes shall be sharpened to guarantee the weld quality in a longitudinal direction.
- The tungsten electrode tip gets deformed due to the heat. Therefore, when the tip is not showing an angle, it is recommended to sharpen it again.

Welding Current (A)	Electrode Angle
20	30°
20 - 100	60° - 90°
100 - 200	90° - 120°

Examples of welding



- The correct use and regular cleaning extend the useful life of the welder.

CAUTION • Only qualified personnel shall carry out repairs. We recommend visiting a  **TRUPER** Authorized Service Center to repair your welder, get supplies or accessories.

Regular Maintenance

- Clean dust from the welder with compressed air. If there is too much dust present, clean immediately. Under normal conditions clean once a year. If the welder is exposed to a lot of dust, cleaning should be carried out every three months.
- Altogether with cleaning make a checkup to assure there are no loose parts or components in the welder.
- Keep the welder wiring in good repair.
- The plug shall be checked before each use.

Storage

- In the event the welder will be stored a long period of time, keep it in a dry, well ventilated place to prevent humidity getting inside, or to generate rust or toxic gas. Storage temperature vary between -13 °F to 131 °F and relative humidity shall not be over 90%.

Troubleshooting

Problem

Cause

Solution

The thermal protection light is ON.

- The welder has no adequate ventilation.
- Environment temperature is too high.
- The welder has been used longer than the recommended work cycle.

- Keep the welder least 11.8" away from any walls at to allow air circulation.
- The welder will recuperate once the temperature gets back to the right range to operate.
- The welder will recuperate once the temperature gets back to the right range to operate.

The current adjusting control is not working.

- The potentiometer is broken.
- Faulty switch.
- Faulty fan.
- Fault in the connections.

- Go to a  **TRUPER** Authorized Service Center to replace the potentiometer.

The fan is not working or turns very slowly.

- Faulty switch.
- Faulty fan.
- Fault in the connections.

- Go to a  **TRUPER** Authorized Service Center to replace the switch.
- Go to a  **TRUPER** Authorized Service Center to repair the fan.
- Check all the connections.

There is no open circuit voltage.

- High Voltage, low voltage or one phase is missing.
- The welder is overheating.
- Faulty switch.

- The welder will recuperate once the temperature is back into the adequate range to operate.
- Go to a  **TRUPER** Authorized Service Center to replace the switch.

The electrode holder is too hot; connections + and - are hot.

- The electrode capacity is too low.
- The cable gauge is too small.
- Loose connections.
- More resistance between the electrode holder and the cable.

- Replace the electrode holder with another one with more capacity.
- Replace the cable with another one within the requirements (see page 3).
- Clean the rust accumulation and tighten the connections.
- Clean the rust accumulation and tighten the connections.

Energy source is off.

- The welder is hover-heated.

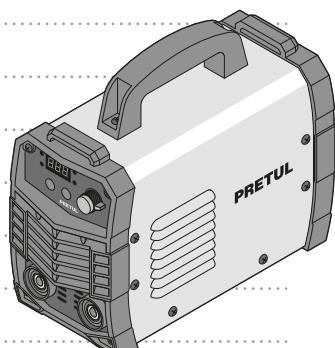
- There is no fault. It is normal that power supply gets cut when the welder goes above its normal working temperature. Wait until the temperature is back to the adequate working range to turn it on again.

Big splash.

- The connection of Output is wrong.

- Exchange the Output line.

If after all the recommended actions have been carried out the problems persist, contact a  **TRUPER** Authorized Service Center.



Authorized Service Centers

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In the event of any problem contacting a Truper Authorized Service Center, please see our webpage www.truper.com to get an updated list, or call our toll-free numbers **800 690-6990** or **800 018-7873** to get information about the nearest Service Center.

AGUASCALIENTES **DE TODO PARA LA CONSTRUCCIÓN**

GRAL. BARRAGÁN #1201, COL. GREMIAL, C.P. 20030,
AGUASCALIENTES, AGS. TEL.: 449 994 0537

BAJA CALIFORNIA **SUCURSAL TIJUANA**

AV. LA ENCANTADA, LOTE #5, PARQUE INDUSTRIAL EL
FLORIDO II, C.P. 22244, TIJUANA, B.C.
TEL.: 664 269 5100

BAJA CALIFORNIA SUR **FIX FERRETERÍAS**

FELIPE ÁNGELES ESQ. RUIZ CORTÍNEZ S/N, COL. PUEBLO
NUEVO, C.P. 23670, CD. CONSTITUCIÓN, B.C.S.
TEL.: 613 132 1115

CAMPECHE **TORNILLERÍA Y FERRETERÍA AAA**

AV. ÁLVARO OBREGÓN #324, COL. ESPERANZA
C.P. 24080 CAMPECHE, CAMP. TEL.: 981 815 2808

CHIAPAS **FIX FERRETERÍAS**

AV. CENTRAL SUR #27, COL. CENTRO, C.P. 30700,
TAPACHULA, CHIS. TEL.: 962 118 4083

CHIHUAHUA **SUCURSAL CHIHUAHUA**

AV. SILVESTRE TERRAZAS #128-11, PARQUE INDUSTRIAL
BAFAR, CARRETERA MÉXICO CUAUHTÉMOC, C.P. 31415,
CHIHUAHUA, CHIH. TEL.: 614 434 0052

CIUDAD DE MÉXICO **FIX FERRETERÍAS**

EL MONSTRUO DE CORREGIDORA, CORREGIDORA # 35,
COL. CENTRO, C.P. 06060, CUAUHTÉMOC, CDMX.
TEL.: 55 5522 5031 / 5522 4861

COAHUILA **SUCURSAL TORREÓN**

CALLE METAL MECÁNICA #280, PARQUE INDUSTRIAL
ORIENTE, C.P. 27278, TORREÓN, COAH.
TEL.: 871 209 68 23

COLIMA **BOMBAS Y MOTORES BYMTESA DE MANZANILLO**

BLVD. MIGUEL DE LA MADRID #190, COL. 16 DE
SEPTIEMBRE, C.P. 28239, MANZANILLO, COL.
TEL.: 314 332 1986 / 332 8013

DURANGO **TORNILLOS ÁGUILA, S.A. DE C.V.**

MAZURIÓ #200, COL. LUIS ECHEVERRÍA, DURANGO,
DGO.TEL.: 618 817 1946 / 618 818 2844

ESTADO DE MÉXICO **SUCURSAL CENTRO JILOTEPEC**

PARQUE INDUSTRIAL # 1, COL. PARQUE INDUSTRIAL
JILOTEPEC, JILOTEPEC, EDO. DE MÉX. C.P. 54257
TEL.: 761 782 9108 EXT. 5728 Y 5102

GUANAJUATO **CÍA. FERRETERA NUEVO MUNDO S.A. DE C.V.**

AV. MÉXICO - JAPÓN #225, CD. INDUSTRIAL, C.P. 38010,
CELAYA, GTO. TEL.: 461 617 7578 / 79 / 80 / 88

GUERRERO **CENTRO DE SERVICIO ECLIPSE**

CALLE PRINCIPAL MZ.1 LT. 1, COL. SANTA FE, C.P. 39010,
CHILPANCINGO, GRO. TEL.: 747 478 5793

HIDALGO **FERREPRECIOS S.A. DE C.V.**

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ROBLEDO, COL. CENTRO, C.P. 43600, TULANCINGO,
HGO. TEL.: 775 753 6615 / 775 753 6616

JALISCO **SUCURSAL GUADALAJARA**

AV. ADOLFO B. HORN # 6800, COL: SANTA CRUZ DEL
VALLE, C.P.: 45655, TLAJOMULCO DE ZÚÑIGA, JAL.
TEL.: 33 3606 5285 AL 90

MICHOACÁN **FIX FERRETERÍAS**

AV. PASEO DE LA REPÚBLICA #3140-A, COL.
EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA,
MICH. TEL.: 443 334 6858

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CAPITÁN ANZURES #95, ESQ. JOSÉ PERDIZ, COL.
CENTRO, C.P. 62740, CUAUTLA, MOR.
TEL.: 735 352 8931

NAYARIT **HERRAMIENTAS DE TEPIK**

MAZATLÁN #117, COL. CENTRO, C.P. 63000, TEPIK, NAY.
TEL.: 311 258 0540

NUEVO LEÓN **SUCURSAL MONTERREY**

CARRETERA LAREDO #500, 1B MONTERREY PARKS,
COLONIA PUERTA DE ANÁHUAC, C.P. 66052, ESCOBEDO,
NUEVO LEÓN, TEL.: 81 8352 8791 / 81 8352 8790

OAXACA **FIX FERRETERÍAS**

AV. 20 DE NOVIEMBRE #910, COL. CENTRO, C.P. 68300,
TUXTEPEC, OAX. TEL.: 287 106 5092

PUEBLA **SUCURSAL PUEBLA**

AV PERIFÉRICO #2-A, SAN LORENZO ALMECATLA,
C.P. 72710, CUAUTLA/CINGO, PUE.
TEL.: 222 282 8282 / 84 / 85 / 86

QUERÉTARO **ARU HERRAMIENTAS S.A. DE C.V.**

AV. PUERTO DE VERACRUZ #110, COL. RANCHO DE
ENMIEDO, C.P. 76842, SAN JUAN DEL RÍO, QRO.
TEL.: 427 268 4544

QUINTANA ROO **FIX FERRETERÍAS**

CARRETERA FEDERAL MZ. 46 LT. 3 LOCAL 2, COL. EIJDAL,
C.P. 77710 PLAYA DEL CARMEN, Q.R.
TEL.: 984 267 3140

SAN LUIS POTOSÍ **FIX FERRETERÍAS**

AV. UNIVERSIDAD #1850, COL. EL PASEO, C.P. 78320,
SAN LUIS POTOSÍ, S.L.P. TEL.: 444 822 4341

SINALOA **SUCURSAL CULIACÁN**

AV. JESÚS KUMATE SUR #4301, COL. HACIENDA DE LA
MORA, C.P. 80143, CULIACÁN, SIN.
TEL.: 667 173 9139 / 173 8400

SONORA **FIX FERRETERÍAS**

CALLE 5 DE FEBRERO #517, SUR LT. 25 MZ. 10, COL.
CENTRO, C.P. 85000, CD. OBREGÓN, SON.
TEL.: 644 415 2392

TABASCO **SUCURSAL VILLAHERMOSA**

CALLE HELIO LOTES 1, 2 Y 3 MZ. #1, COL. INDUSTRIAL,
2A ETAPA, C.P. 86010, VILLAHERMOSA, TAB.
TEL.: 993 353 7244

TAMAULIPAS **VM ORINGS Y REFACCIONES**

CALLE ROSITA #527 ENTRE 20 DE NOVIEMBRE Y GRAL.
RODRÍGUEZ, FRACC. REYNOSA, C.P. 88780, REYNOSA,
TAMS. TEL.: 899 926 7552

TLAXCALA **SERVICIOS Y HERRAMIENTAS INDUSTRIALES**

PABLO SIDAR #132, COL. BARRIO DE SAN BARTOLOMÉ,
C.P. 90970, SAN PABLO DEL MONTE, TLAX.
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VERACRUZ **LA CASA DISTRIBUIDORA TRUPER**

BLVD. PRIMAVERA. ESQ. HORTENSIA S/N, COL.
PRIMAVERA C.P. 93308, POZA RICA, VER.
TEL.: 782 823 8100 / 826 8484

YUCATÁN **SUCURSAL MÉRIDA**

CALLE 33 #600 Y 602, LOCALIDAD ITZINCAB Y MULSAY,
MPIO. ULMÁN, C.P. 97390, MÉRIDA, YUC.
TEL.: 999 912 2451

Codes	Models	Brand
29958	SOIN-101P	PRETUL®
29959	SOIN-110/130P	
29960	SOIN-120/160P	

Warranty. Duration: 1 year. Coverage: parts, components and workmanship against manufacturing or operating defects, except if used under conditions other than normal; when it was not operated in accordance with the instructive; was altered or repaired by personnel not authorized by **Truper®**. To make the warranty valid, present the product, stamped policy or invoice or receipt or voucher, in the establishment where you bought it or in Corregidora 35, Centro, Cuauhtémoc, CDMX, 06060, where you can also purchase parts, components, consumables and accessories. It includes the costs of transportation of the product that derive from its fulfillment of its service network. Phone number **800-018-7873**. Made in China. Imported by Truper, S.A. de C.V. Parque Industrial 1, Parque Industrial Jilotepec, Jilotepec, Edo. de Méx. C.P. 54257, Phone number 761 782 9100.



1
YEAR

Stamp of the business. Delivery date:

Sello del establecimiento comercial. Fecho de entregas:

AÑO



Garantía. Duración: 1 año. Cobertura: Piezas, componentes y mano de obra contra defectos de fabricación ofuncionamiento, excepto si se usó en condiciones distintas a las normales; cuando no fue operado conforme instrucciones, fue llevado o preparado por persona no autorizada por **Truper®**. Para hacer efectiva la garantía se presentó el producto, pieza sellada o ready o compoducte, en el establecimiento donde lo compró o en Cerrajería 35, Centro, Cuauhtémoc, CDMX 06000, donde también podrá adquirir partes, componentes, consumibles y accesorios. Incluye los gastos de transportación del producto que deviven de su cumplimiento de acuerdo con la legislación vigente. Tel. 800-018-7873. Made in/Hetido en China. Importador **Truper, S.A.** de C.V. Parque Industrial 1, Parque Industrial Jiutepec, Jiutepec, Edo. de Mex. C.P. 54257, Tel. 761 782 9100.

Código	Modelos	Marca	PRETUL®
29958	S0IN-101P		
29959	S0IN-110/130P		
29960	S0IN-120/160P		

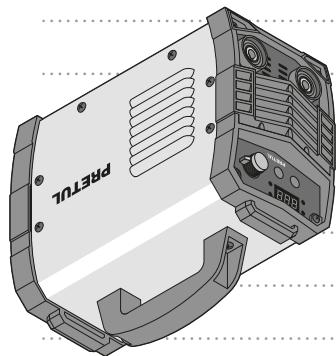
Póliza de Garantía

PRETUL®

En caso de tener algún problema para contactar un Centro de Servicio Autorizado Tupper® consulte nuestra página www.tupper.com donde obtendrá un listado actualizado, o llame al: **800 690-6990** ó **800 018-7873** donde le informarán cuál es el Centro de Servicio más cercano.

Centros de Servicio Autorizados

MEXICO TORREBLAS FIX FERRETERIA AV. MÁLAGA OBREGÓN #241, COL. ESPAÑA CP. 20030. CAZULINA TORREBLAS C.R. 20080 PUEBLA TEL.: 964 696 0573 BAJA CALIFORNIA SUR FIX FERRETERIAS FEDEBENES SRL CONSULTORES SA, COL. PUEBLO NUEVO LEÓN NAVARA HERMANNES DE TEPIC MZ.171171 COL. CENTRO, CP. 65000, TEPIC, NAY. TEL.: 755 52 9873 MORELOS FIX FERRETERIAS CAPITAN AVALIRAS #99, ESO. JOSE PEREZ, COL. CENTRO, CP. 6240, CUATRO MARES, MOR. TEL.: 755 52 9873 OAXACA FIX FERRETERIAS AV. DE MORENO MONTERRÍE #90, COL. CENTRO, CP. 68300. TUXTEPEC, OAX. TEL.: 287 606 3092 NUEVO LEÓN SCUSAL MONTERREY C.R. 2770 SAN LORENZO ALMECTLA, TEL.: 427 268 5544 QUINTANA ROO FIX FERRETERIAS CR. 7770 SAN PABLO DEL CARMEN, QR. TEL.: 984 267 7740 SINALOA SCUSAL CULIACÁN AV. JESÚS VILLENA SUR #430, COL. HACIENDA DELA MORA, CP. 80100, CULIACÁN, SIN. SONORA FIX FERRETERIAS SAN LUIS POTOSÍ, SL.P., TEL.: 444 822 4341 AV. UNIVERSIDAD #150, COL. EL PASO, CP. 78320, SAN LUIS POTOSÍ, SL.P., TEL.: 667 173 1593 / 173 8400 TELEFONO: 667 173 1593 / 173 8400 ESTADO DE MÉXICO SUCURSAL MEXICO CITY MAZATLÁN #200, LA MARÍA, DURANGO DCQ, TEL.: 81 32 1986 / 81 32 8044 MEXICO COL. MONTRÍO DE CORREGIDORA, CORREGIDORA #35, COAHUILA SUCURSAL TORREÓN AV. DEL MÉJICO, MEJIDIA #190, PARQUE INDUSTRIAL DE TORREÓN, C.P. 27224, TORREÓN, COAH. TEL.: 55 322 5031 / 55 22 4861 GUANAJAUTA SUCURSAL UNO EN MUNDO DE CLO AV. MÉJICO, APDO. 225, COL. INDUSTRIAL, C.P. 38010. GUERRERO CENTRO DE SERVICIO ELCISP CALLE PRINCIPAL #1, COL. SANITARIA, C.P. 39101. HIDALGO FEERRERIOS S.A. DE C.V. CHILPANCINGO, GRO., TEL.: 747 478 5793 JALISCO SUCURSAL GUADALAJARA VALLE, C.P. 46655 TAJAMULCO DE ZUNIGA, JAL. MICHOACÁN FIX FERRETERIAS AV. ALDOFO B. DE LA REPUBLICA #310-A, COL. EX-HACIENDA DE LA HUERTA, C.P. 58050, MORELIA. TEL.: 443 334 6888 TLAXCALA SERVICIOS Y HERMANOS INDUSTRIALES PBRDUELO, S.D.R. #123, COL. BARRIO DE SAN BARTOLOME, TEL.: 222 271 7520 VERACRUZ LASAS DISTRIBUIDORA TRUPER Blvd. RIVADAVIA ED. 50, HORNETS S/N, COL. TEL.: 782 823 8100 / 826 8484 YUCATÁN SUCURSAL MERIDA CALLE 33 #600 602, LOCALIDAD ITZINCAB Y MULSAY, TEL.: 999 12 2451 MPILO, UMAH, 2950, MERIDA, YUC.
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Notas

PRETUL®

Si los problemas persisten a pesar de realizar las acciones correctivas recomendadas, contacte a un Centro de Servicio Autorizado.

Chorro grande • La conexión de polaridad de salida no es correcta.

- La conexión de polaridad de salida no es correcta.
- Cambie la línea de salida.

adecuado de trabajo. Espera a que la temperatura regrese a su temperatura normal de trabajo. Esto es necesario para poder encenderla de nuevo.

La fuente de energía • La soldadora se ha sobrecalentado. • No hay falla. Es normal que el suministro de energía sea correcta.

• Limpie la acumulación de óxido y apriete las conexiones.

• Muy rara vez entre el porta • Limpie la acumulación de óxido y apriete las conexiones.

calientan. • Conexiones flojas. • Consulte la página 3).

Las conexiones + y - se • La medida del cable es muy pequeña. Remplace el cable por otro dentro de los requerimientos galvánica demasadas; • my bala.

El porta eléctrico es • La capacidad del porta eléctrico es • Reemplace el porta eléctrodo por otro de mayor capacidad.

■ TRUPER para remplazar el interruptor.

No hay tensión de • Tensión alta, tensión baja o falta una fase. • Interrupción descompuerto.

circuito abierto. • La soldadora es está sobrecalentando. • Recarga el rango adecuado para operar.

• Acuda a un Centro de Servicio Autorizado.

• Interruptor descompuerto.

funciona gira muy lentamente. • Ventilador descompuerto.

• Revise las conexiones.

• Falla en las conexiones.

• Acuda a un Centro de Servicio Autorizado.

• Interruptor descompuerto.

• Comience de nuevo.

• El potenciómetro está roto.

• Acuda a un Centro de Servicio Autorizado.

• Interruptor descompuerto.

• Comience de nuevo.

• La soldadora es utilizada para operar.

• La soldadora es preparada una vez que la temperatura regresa al rango adecuado para operar.

• La soldadora es preparada una vez que la temperatura regresa al rango adecuado para operar.

• La soldadora es utilizada para operar.

La luz de protección • La soldadora no cuenta con ventilación adecuada.

• Temperatura ambiente muy alta.

• Mantenga la temperatura ambiente muy alta.

Solución

Solución de problemas

Problema Causa

• Las terminales deben revisarse antes de cada uso.

• Mantenga los cables de la soldadora en buen estado.

• Junto con la limpieza se debe realizar una revisión para

realizarlo cada tres meses.

• Soldadora es expuesta a mucho polvo, la limpieza debe

realizarse cada tres meses.

• Se debe limpiar el polvo de la soldadora con aire

compresor. En caso de haber mucho polvo, la limpieza debe

realizarse limpiando. Baso condicionales normales se

requiere limpiar una vez al año, en caso de que la

limpiar de acuerdo a la tabla de servicio.

• Almacenamiento regular

Almacenamiento

Mantenimiento regular

• Almacenamiento regular para preparar la soldadora, adquirir suministros o accesorios.

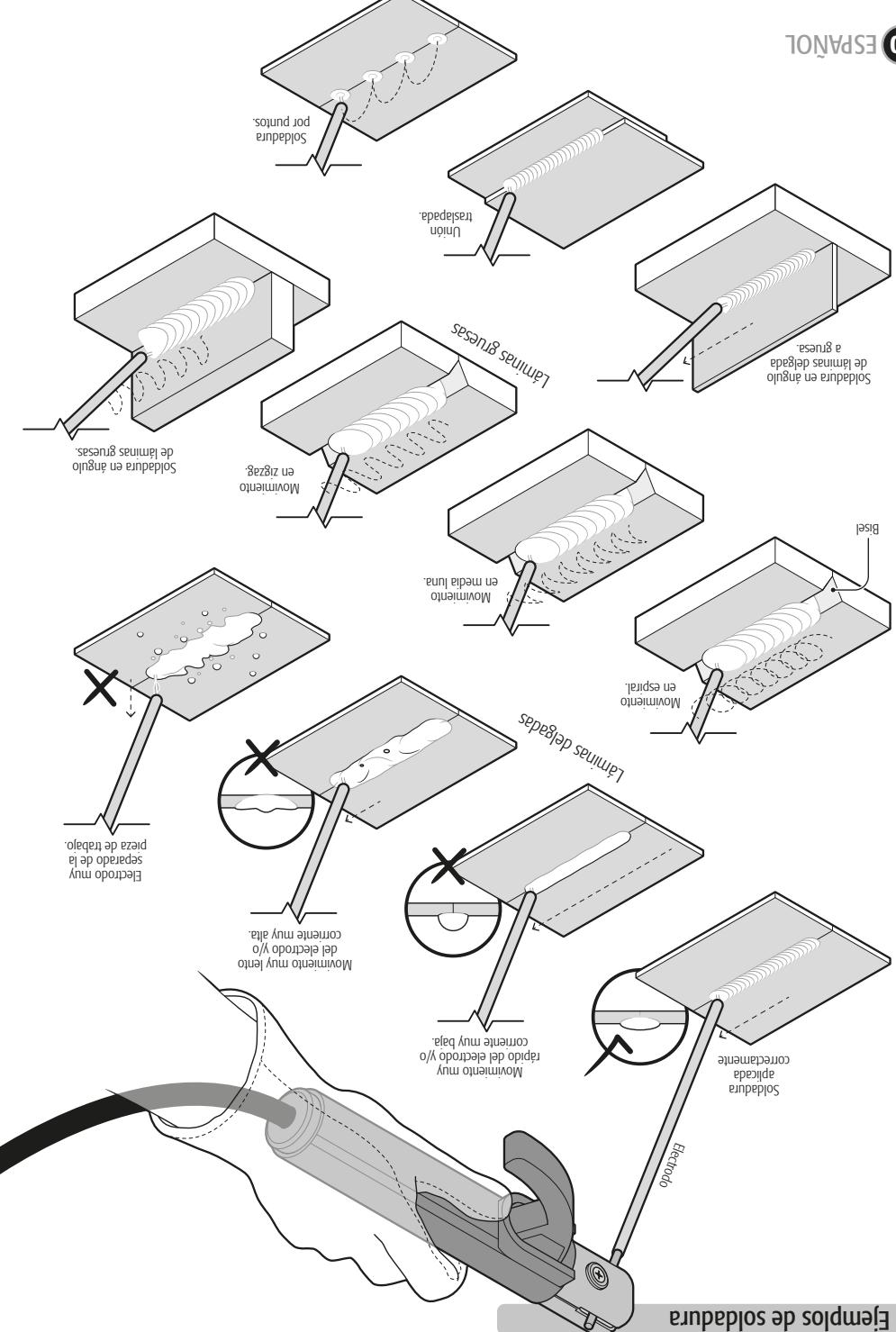
• Almacenamiento regular para preparar la soldadora, adquirir suministros o accesorios.

• El uso correcto y una limpieza regular prolongan la vida útil de la soldadora.

• Almacenamiento regular para preparar la soldadora, adquirir suministros o accesorios.

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• El uso correcto y una limpieza regular prolongan la vida útil de la soldadora.



Ejemplos de soldadura

Puesta en marcha

90° - 120°

60° - 90°

30°

100 - 200

20 - 100

20

Corriente de soldadura (A) Ángulo de electrodo

- La punta del electrodo de tungsteno tiene una forma de cono que la hace ideal para soldar en ángulos.
- Los electrodos de tungsteno deben ser utilizados para garantizar la calidad de la soldadura en su dirección longitudinal.
- TIG:

soporta el electrodo por la parte recubierta. No se requiere un nuevo portafusible si se reutiliza. Los electrodos nuevos tienen una forma de cono que la hace ideal para soldar en ángulos.

A ATENCIÓN

• El electrodo es quemado a alta temperatura.

- Cuando el electrodo se ha consumido de 1 cm a 2 cm para poder seguir soldando.
- SMAW:

Reemplazo de electrodo



- Al quitar o retirar la escoria para retirar el electrodo y endredarlo, utilice un cepillo de alambre para retirar la escoria de la superficie del cordón de soldadura.
- Al terminar el trabajo de soldadura, utilice un cepillo de escoria para limpiar el portafusible.

A ATENCIÓN

• Espera que la escoria se haya quemado para los y mantener a las personas alejadas.



- Al quemar el trabajo de soldadura, utilice un cepillo de escoria para limpiar el portafusible.

Retiro de escoria

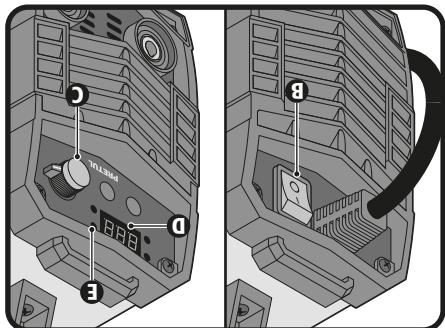


VRD

- Active el sistema VRD para reducir la tensión durante la fase de cebado y así evitar una posible descarga al operador.
- Se recomienda activarla en situaciones de riesgo, como humedos, tabiques en altura y en ambientes que realicen soldadura en espacios confinados, en lugares donde se realizan trabajos de soldadura.

- Active el sistema VRD (Voltage Reduction Device) para reducir la tensión durante la fase de cebado el botón (F) para reducir la tensión durante la fase de cebado y así evitar una posible descarga al operador.

Sistema de seguridad VRD



apaguen para volver a utilizar.

• En caso de sobrecalentamiento del procesador térmico (E) se encenderá la luz indicadora Y.

• Una vez que el dispositivo se enfria se apagará la luz indicadora Y.

• La punta del electrodo se enfriará a 2 mm de la pieza de trabajo. Si

seempre la punta del electrodo contiene una soldadura, mantenga el dispositivo lejos de la pieza de trabajo.

• Durante el trabajo del electrodo hay que tener en cuenta que el dispositivo se enfrie antes de trabajar.

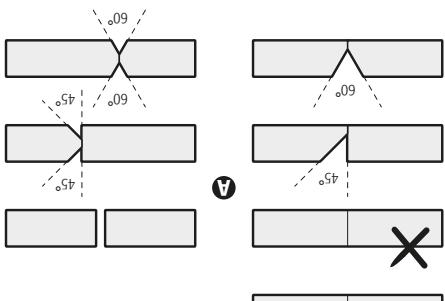
• Siempre el dispositivo de trabajo, moviendo la sonda con respecto a la pieza de trabajo, el dispositivo se enfriará más rápidamente.

• La punta del electrodo o sonda de trabajo se enfriará más rápidamente.

• Algunas de las características de control de la sonda (G) han sido actualizadas.

• Coloque el interruptor (B) en posición de encendido (I).

Soldadura



deben de ser biseladas para que la soldadura sea adecuada (A).

• Las uniones entre láminas con ángulos mayores de 1/8" (3 mm) deben de ser limpias, libres de óxido y pulidas.

• El área de las piezas de trabajo donde se aplica la soldadura requiere un espacio de alrededor de 1/8" (3 mm).

• Pueden ser biseladas para eliminar cualquier salvo que realice el trabajo de soldadura.

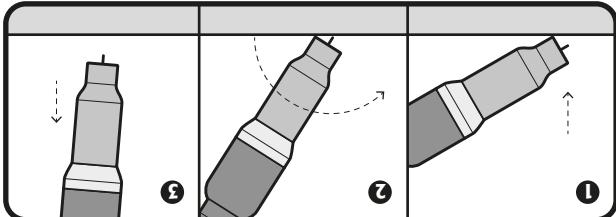
• Los electrodo de soldadura deben de ser pulidos y limpios.

• Solo con experiencia práctica y cuidado se puede garantizar un

Preparativos

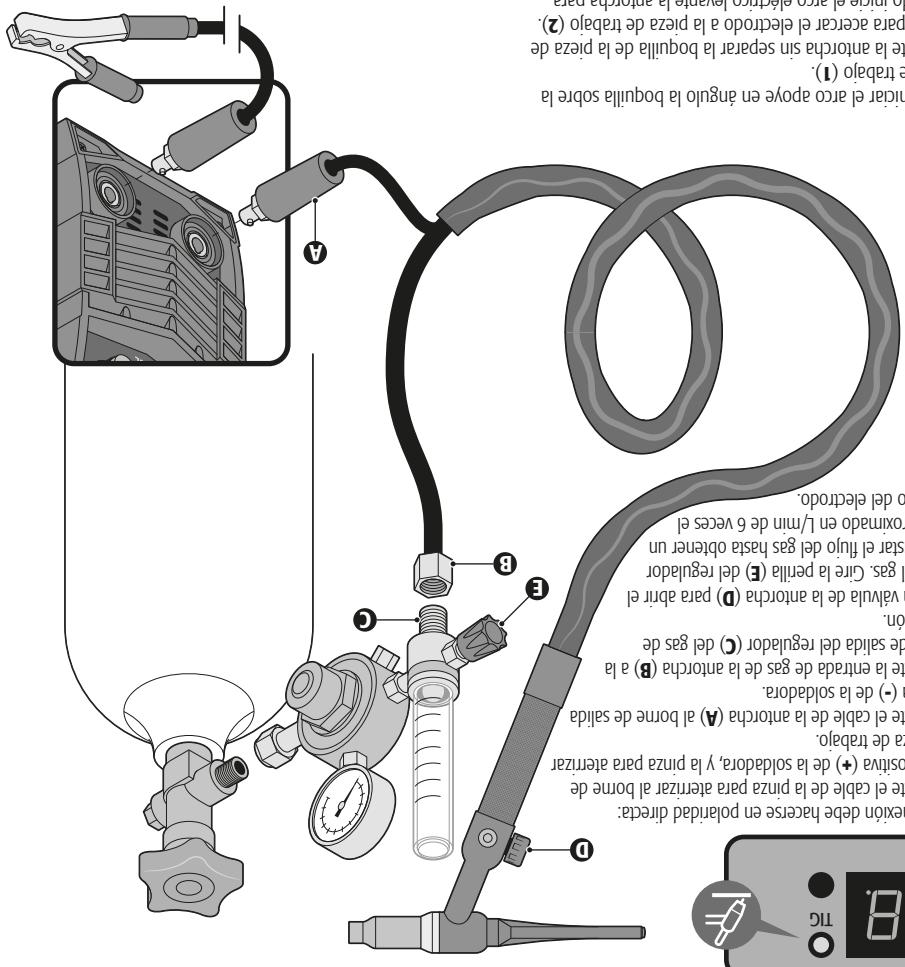
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Puesta en marcha



- Se recomienda mantener el tubo de gas alineado a 90° vertical durante el soldadura para garantizar la protección del gas.
- Se recomienda mantener el tubo de gas alineado a 90° vertical durante el soldadura para garantizar la protección del gas.
- Se recomienda mantener el tubo de gas alineado a 90° vertical durante el soldadura para garantizar la protección del gas.

- Cuando inicie el arco eléctrico levante la antorcha para traspasarla separar el arco eléctrico a la pieza de trabajo (2).
- Levante la antorcha sin separar la boquilla de la pieza de trabajo (1).
- Para iniciar el arco apoye en ángulo la boquilla sobre la pieza de trabajo (1).



- Gire la válvula de la antorcha (D) para bajar el diámetro del electrodo.
- Pase del gas. Gire la perilla (E) del regulador para ajustar el flujo aproximado en l/min de 6 veces el diámetro del electrodo.

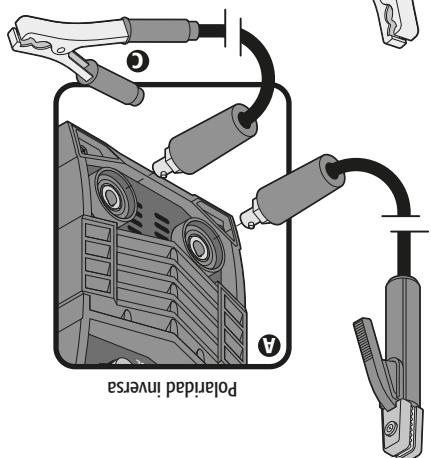
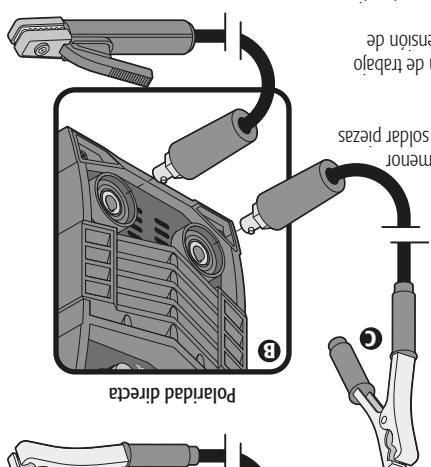
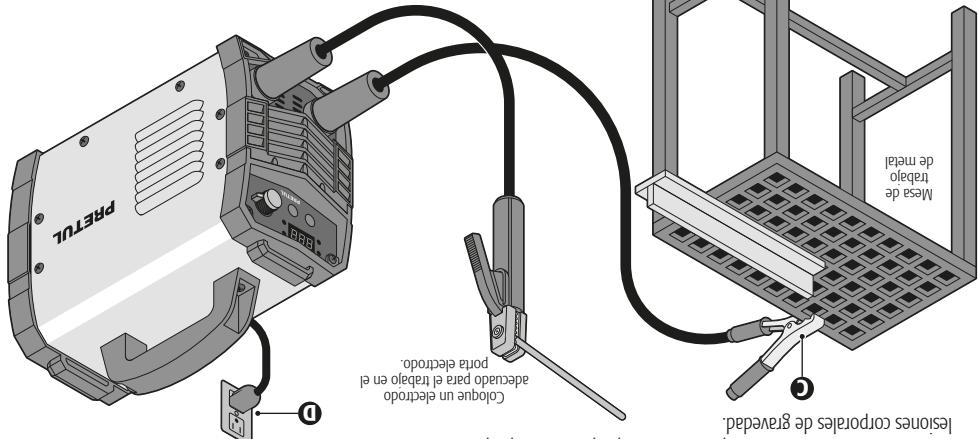
- Gire la válvula de la antorcha (D) para bajar el diámetro del electrodo.
- Conecte la entrada de gas de la antorcha (B) a la válvula de salida del regulador (C) del gas de protección.
- Conecte la entrada de la antorcha (A) al borne de salida negativa (-) de la soldadora.
- La conexión debe de la pinza para aterrizar al borne de salida positiva (+) de la soldadora.

- A NOTA** • Para este proceso se requiere una antorcha AN-SI-17/16/20 y un tanque o latón de gas de protección no inflamable.
- La soldadura TIG es ideal para soldar acero inoxidable, hierro y cobre.
 - La soldadura TIG es ideal para utilizar para soldadura TIG: proceso de soldadura de muy alta calidad con electrodos de tungsteno no consumibles y arco protegido por gas inerte como argón o helio.
 - Esta soldadura inversora puede ser utilizada también para soldadura TIG: proceso de soldadura de muy alta calidad con electrodos de tungsteno no consumibles y arco protegido por gas inerte como argón o helio.

Conexión TIG

Instalación (TIG)

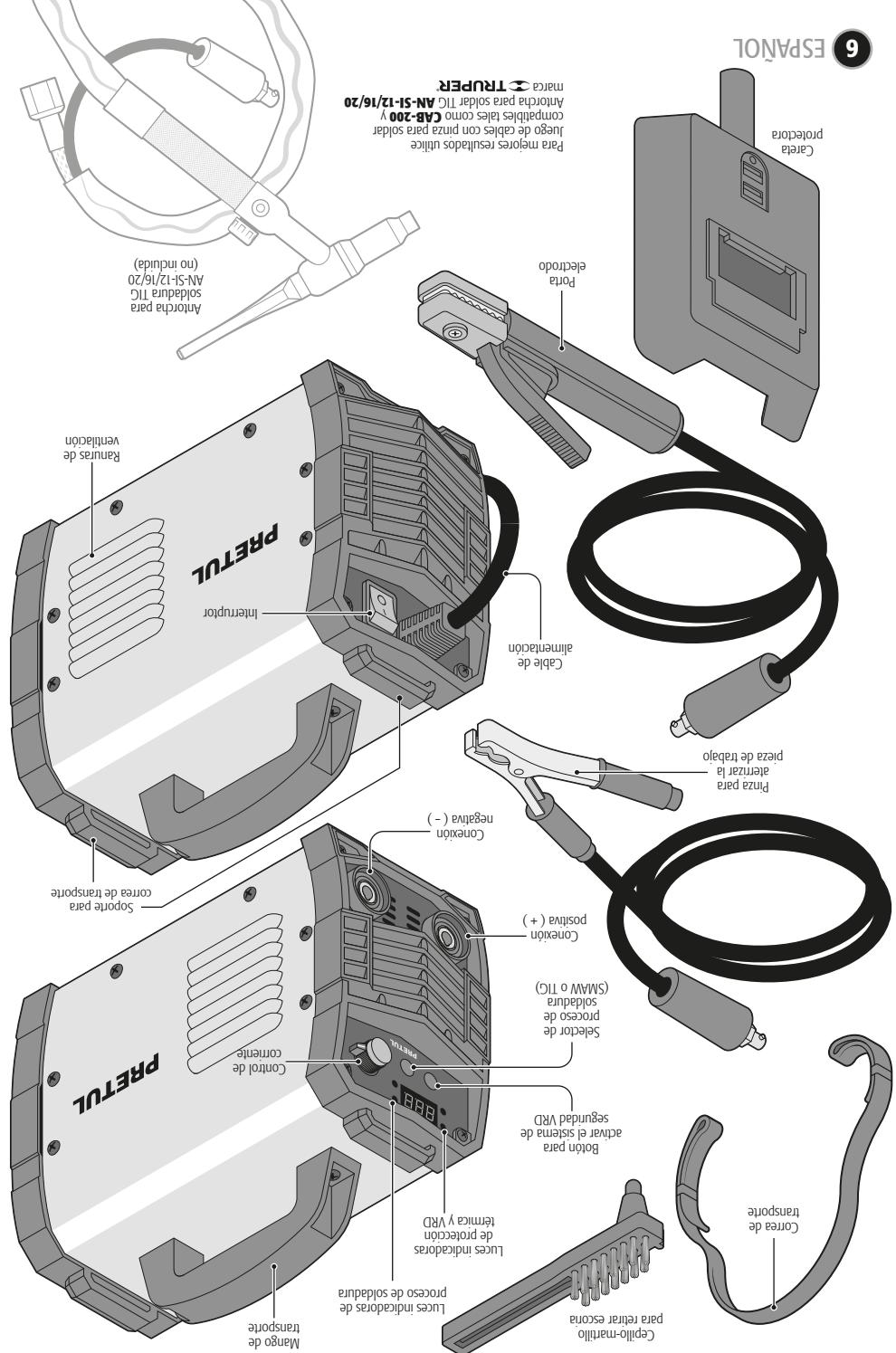
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A. ATENCIÓN Para evitar descargas eléctricas es necesario conectar la información de la sección "Reducir riesgos de electrocución" en las páginas 3 y 5.

- Las conexiones triples del porta electrodo y la placa para quemador deben ser seguras en los insertos y garantizar un cuarto de vuelta en sentido contrario.
- Los cables de las salidas del panel frontal para quemador deben durar horas en las salidas del panel frontal para quemador bien.

Conecciones



Partes

PRETUL®

con una calida potencia no mayor a 4 V
soldar para mantener la salida de energía de la soldadora
pieza de trabajo se debe aumentar el calibre del cable de
• En caso de requerir extensiones entre la soldadora y la

* La comisión de usos del fusible es el doble de su corriente nominal.

Fusible (Corriente nominal de trabajo) 30 A (*)

Alambre eléctrico 2,5 mm²

Interruptor 30 A

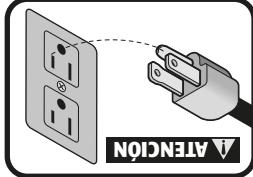
A ATENCIÓN • El calibre del cable del suministro eléctrico debe cumplir con los siguientes requisitos:
la soldadora, conducta con voltagen de suministro eléctrico.

A ATENCIÓN • Confirme siempre que el voltaje de conexión de entrada, estipulado en la placa de información de

A ATENCIÓN • La conexión a la red debe realizar por un profesional en electricidad.

A ATENCIÓN • El cable del cable conductor de tierra no puede ser menor que el cable de suministro eléctrico.

• Si utiliza la soldadora junto a más herramientas con la misma tierra conectadas en paralelo, nuncas en serie.



la salida, adquiera la salida apropiada instalada por un electricista calificado.

A ADVERENCIA No modifique la clavija provista. Si la clavija no ajusta a la salida, adquiera la salida apropiada instalada por un electricista calificado.

acordeo con todos los códigos locales.

debe estar conectado a tierra y debe cumplir con conexión a tierra. La clavija

debe sufrir una desagüe eléctrica. Esta herramienta se adapta con un cable

de extensión que tiene un conductor a tierra y una entrada de recubrimiento de resguardo

trayectoria con resistencia mínima para la conexión eléctrica, lo que reduce el riesgo

de descargas eléctricas. Si la conexión a tierra provee una

• **A ADVERENCIA** En el caso de fallas o averías, la conexión a tierra prueba de

descarga.

A ADVERENCIA Algunos accesorios de líquidos durante su operación. No se expone a la lluvia, agua o humedad.

La constucción del aluminio de esta herramienta es adecuada para aplicaciones

servicios autorizados. • **TRUPER**, con el fin de evitar daños irreversibles, lo que reduce el riesgo

de descargas eléctricas. Si la conexión a tierra provee una conexión de tierra

• **A ADVERENCIA** Si el cable de alimentación se daña, este debe ser reemplazado por el fabricante o centro de

Requerimientos eléctricos

A ADVERENCIA Algunos accesorios de líquidos durante su operación. No se expone a la lluvia, agua o humedad.

• **TRUPER**, con el fin de evitar daños irreversibles, lo que reduce el riesgo

de descargas eléctricas. Si la conexión a tierra provee una conexión de tierra

• **A ADVERENCIA** La clase de conexión de la herramienta es: Aluminio básico.

El cable de alimentación tiene sujetacables tipo: Y

La clase de aislamiento térmico de los devanados: Clase H

La clase de conexión de la herramienta es: Aluminio básico.

• **CONDUCTORES** SODIN-110/130P & SODIN-120/160P: 12 AWG x 3C con temperatura de aislamiento de 105 °C

• **ALAMINETO** PE50 • 2,9 kg | Clase I | Grado IP • IP21S

• **MEDIDAS** 30 cm x 12 cm x 23 cm

• **ELECTRODO** SWAW 2,5 mm - 3 mm TIG 1 mm SWAW 2,5 mm - 3 mm - 4 mm TIG 1 mm - 1,6 mm

Los valores de solda especializada están dados a una temperatura de 20 °C. A temperaturas mayores se obtiene una reducción.

• **CICLO DE TRABAJO NOMINAL** 6 min de trabajo por 4 min de descanso.

• **RANGO DE CORRIENTE** 20 A - 100 A | 20 A - 110 A / 20 A - 130 A | 20 A - 120 A / 20 A - 160 A

• **FACTOR DE POTENCIA** COS φ = 0,73

• **TENSIÓN DE CIRCUITO ABIERTO** 69 V CC | 127 V ~ - 80 V CC | 220 V ~ - 70 V CC

• **CAPACIDAD DE ENTRADA NOMINAL** 3,5 kVA | 3,9 kVA / 2,5 kVA | 4,8 kVA / 6,8 kVA

• **VOLTAGE DE ENTRADA** 127 V ~ / 50 Hz - 60 Hz | 127 V ~ / 220 V ~ / 50 Hz - 60 Hz

• **DESCRIPCIÓN** Soldadora inversora

• **CÓDIGO** 29958 | 29959 | 29960 | SODIN-110/130P | SODIN-120/160P

PRETUL®

Especificaciones técnicas

Δ Realice **MANTENIMIENTO** periódico a su máquina (página 11).

Δ Se recomienda utilizar una extensión calibre **12 AWG** y conectar en un **CENTRO DE**

PROTECCIÓN apagando la soldadora y encendiendo la luz LED de ALARMA. Deje enfilar la soldadora por 15 minutos y vuelve a encenderla.

RECOMENDACIONES DE USO Y CUIDADOS

14	Poliza de Garantía
13	Centros de Servicio Autorizados
12	Notas
11	Solución de problemas
11	Mantenimiento
9	Puesta en marcha
8	Instalación (TIG)
7	Instalación (SMAW)
6	Partes
5	Soldadores de Seguridad para uso de
4	Advertencias de Seguridad para uso de
3	Requerimientos eléctricos
3	Especificaciones técnicas

ATTENCIÓN

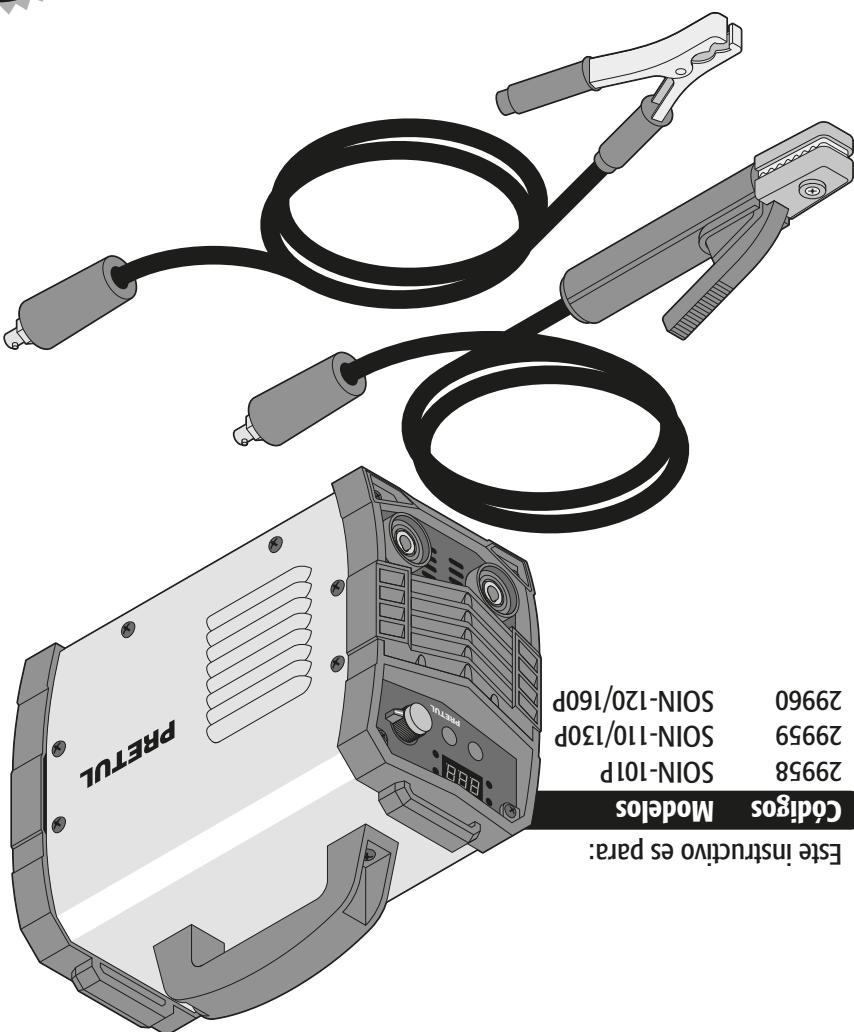
Indice

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Lea este instructivo por completo
antes de usar la herramienta.

ATENCIÓN



29958 SOTIN-101P
29959 SOTIN-110/130P
29960 SOTIN-120/160P

Códigos Modelos
Este instructivo es para:

Ciclo de trabajo

60%

PRETUL®

Soldadora inversora

Instructivo de