

SOLDER CONNECTION

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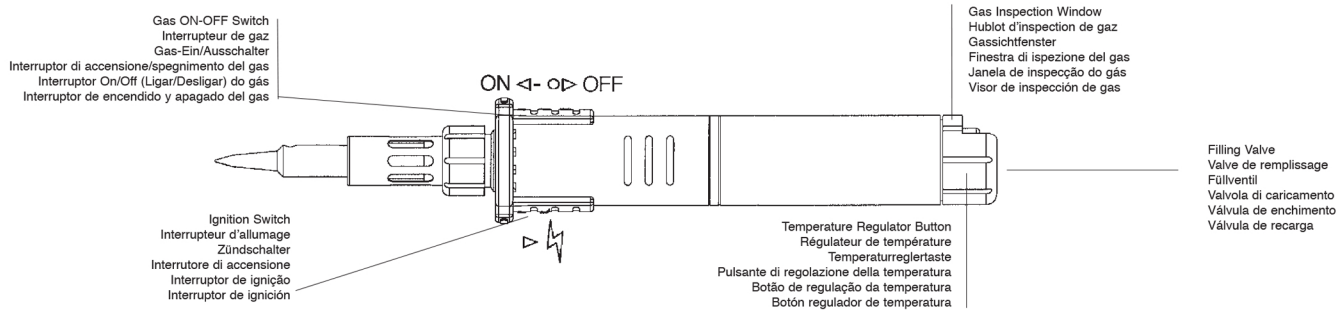
portasol*

Models

Super Pro / Pro II / Pro Piezo

- (GB) INSTRUCTIONS
- (F) MODE D'EMPLOI
- (D) GEBRAUCHSANLEITUNG
- (I) ISTRUZIONI PER L'USO
- (P) INSTRUÇÕES
- (E) INSTRUCCIONES

Fig. 1



GB - INSTRUCTION MANUAL

Contents

- 1.0 Warnings
- 2.0 Gas Filling
- 3.0 Ignition Sequence
- 4.0 Adjustments
- 5.0 Tip Replacement
- 6.0 Spare Parts Replacement

1.0 Warnings - General

- 1.1 Your unit contains flammable gas under pressure. Use with care.
- 1.2 Keep out of the reach of children.
- 1.3 Refill away from flame with Braun, Colibri, Ronson, Rowenta or other high quality Butane cigarette lighter fuel. No other fuel type should be used.
- 1.4 Excessive Gas flow, flaming or Catalyst pulsing red to black may occur when igniting or when the regulator is set too high. It is essential to ignite the iron with the tip pointing away from face and body.
- 1.5 Ensure flames are extinguished before putting down. **Caution:** Hot gases 580°C (1075°F) are emitted from the exhaust port. Do not leave unattended. If placing on surface, leave ports facing upwards and rest iron on the cap (Fig.A). (Super Pro & Pro II - Fig H)
- 1.6 Do not drop.
- 1.7 Do not use if unit is damaged
- 1.8 Do not expose to heat above +50°C (+120°F) and avoid prolonged exposure to the sun.
- 1.9 Do not puncture or incinerate (Fig G).
- 1.10 Do not refill, ignite or use near flame or combustible materials.
- 1.11 Do not replace cap without first switching off and ensuring tip has cooled.
- 1.12 Do not attempt to dismantle, readjust or repair. These products are not user serviceable.
- 1.13 Do not inhale vapours from fluxes, plastics, foams etc.
- 1.14 Dispose of in accordance with local regulations.
- 1.15 Transportation of Hazardous Materials Regulations forbid the carriage of butane or other flammable gas products on passenger aircraft. Do not pack this item, or any other flammable gas item, in any checked or carry-on baggage.
- 1.16 This product, when used for soldering and similar applications, produces chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

2.0 Gas Filling (Fig B)

- 2.1 Make sure the on/off switch is in the "off" position before filling.
- 2.2 Fill only in a well ventilated area.
- 2.3 Adaptors are not normally required when re-filling
- 2.4 To fill (Fig. B), hold unit vertically with the filling valve upwards. Push the gas re-fill cylinder down onto the filling valve. The flow of gas from the re-fill cylinder to the unit, depends on gravity.
- 2.5 Stop filling when gas spills from valve. Do not overfill.
- 2.6 Some liquid gas should be visible through the transparent section of the temperature regulator button; gas vapour alone will not generate sufficient pressure.

3.0 Ignition Sequence

- 3.1 The unit is ignited by a piezo-electronic system. The gas On/Off switch is marked 1-0. The ignition switch is marked with a "⚡" logo.
- 3.2 **Soldering, hot air, hot knife:** Fit tip of choice and secure with retention sleeve/collet. Turn temperature regulator button to Max. setting. Hold away from face and body and push the gas switch toward the tip, this will release the gas. "Click back" on piezo ignition switch and allow to return while still maintaining light thumb pressure on the switch, this enables the gas flow interrupt to extinguish the ignition flame, and allows the

catalyst to assume combustion control. Glowing catalyst, in the lower tip exhaust port/through hot air tip, will confirm correct operating mode.

- 3.3 **Flame (blow torch):** As 3.2 above except for **Pro Piezo**, set low to medium settings. Flame may "blow itself out" at high gas flow. N.B. Flame is difficult to see under certain lighting situations.
For Super Pro & Pro II: remove tip and tip retaining tube. Turn temperature regulator to mid setting. Turn gas on as in 3.2 above. "Click back" on piezo ignition switch and quickly release (the internal spring will provide sufficient speed). If the speed of return of the piezo switch is slowed slightly by finger pressure, the gas flow interrupt may extinguish the flame. Experience will dictate.

4.0 Temperature Adjustment (Fig C)

- 4.1 Tip temperature and gas flow can be adjusted by turning the temperature regulator button within the + / - range. Note: Range of squares on **Pro Piezo**, largest square is +, smallest is -.

5.0 Tip Replacement (Fig D/E)

- 5.1 **Caution:** allow to cool down completely. Tips are easily changed by unscrewing the retaining nut and sliding the tip, tube and nut, over the ignition assembly. Remove the tip and replace with new or alternate unit. Re-assemble in reverse order.(Fig. D)
Note: for **Super Pro & Pro II Blow Torch**, see 3.3 above.

6.0 Spare Part Replacement - Super Pro & Pro II only (Fig F)

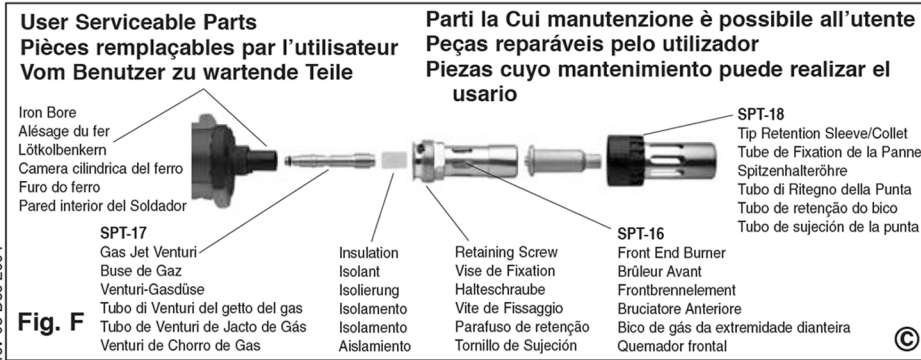
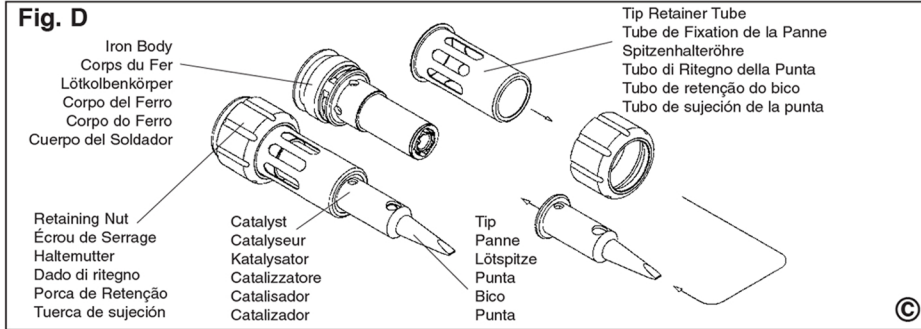
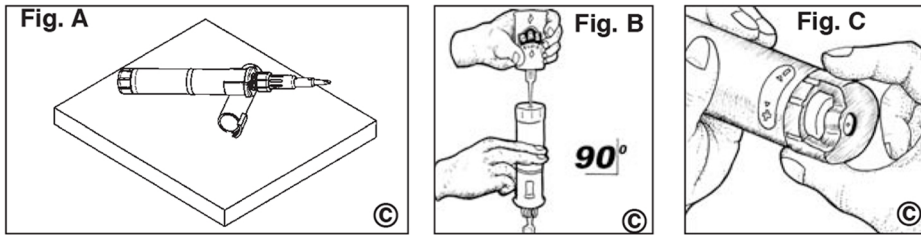
- Caution:** Allow iron to cool down completely. The gas switch must be in the "off" position. Remove the tip, tube and nut as in 5.0 above.
- 6.1 **Front end burner replacement** Remove the retaining screw using a 1.5mm (1/16") allen key. Note position of retaining screw relative to alignment mark on iron. Unscrew the front end burner using, if necessary, a 13mm (1/2") spanner, ensure old insulation is removed and fit new insulation onto gas jet venturi. Fit new burner tightening until the retaining screw holes are aligned - in line with alignment marks. Lock in place by re-engaging the retaining screw. Do not over-tighten.
- 6.2 **Gas jet venturi replacement** Remove front end burner as in 6.1 above. Remove gas jet venturi by pulling directly out from iron. Replace with new gas jet venturi, aligning its flats with the corresponding flat in the bore of the iron. Fit new insulation onto gas jet venturi ensuring, where applicable, that old insulation is removed from front end burner before replacing. Replace the front end burner as in 6.1 above

Technical Specification

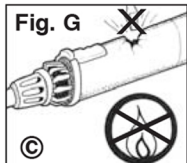
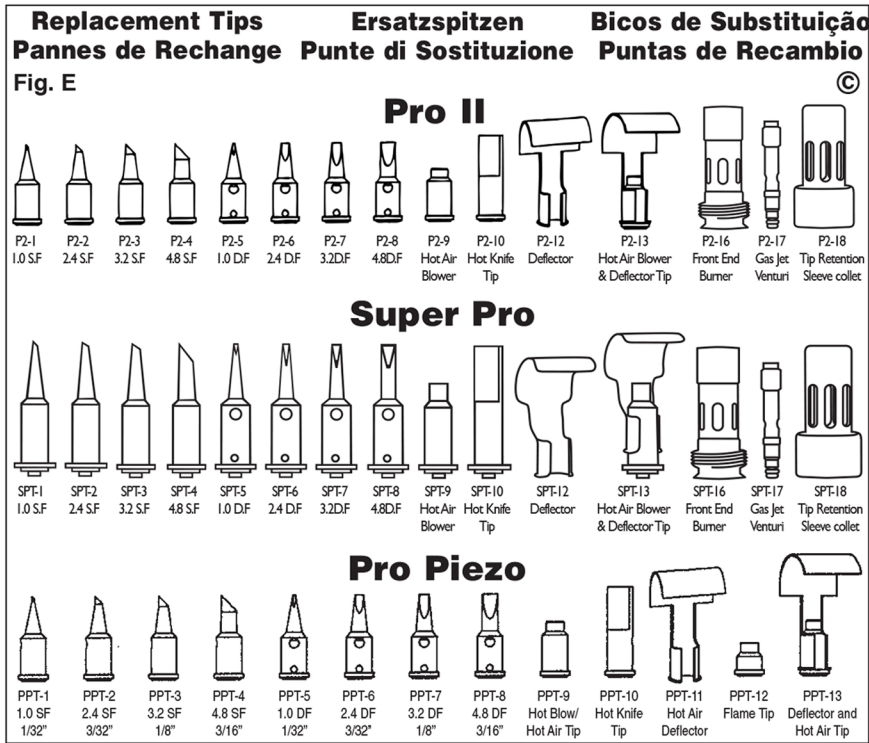
	Super Pro	Pro II	Pro Piezo
Length (with cap)	230mm	230mm	178mm
Weight(no gas, with cap & tip)	143g	126g	75g
Operating Time (depending on setting)	60 mins	60 mins	45 min
Tip temperature (up to)			
Soldering	580°C (1075°F)	580°C (1075°F)	580°C (1075°F)
Blow Torch	1300°C (2372°F)	1300°C (2372°F)	1300°C (2372°F)
Hot Air Tip	625°C (1157°C)	625°C (1157°C)	625°C (1157°C)
Hot Knife	580° C (1075°F)	580° C (1075°F)	580° C (1075°F)
Wattage (equiv.)	125W	125W	75W
Refill time (typical)	10 seconds	10 seconds	10 seconds
Gas refill type	Butane lighter fuel	Butane lighter fuel	Butane lighter fuel
Tip selection	12	12	13
Piezo ignitor	Yes	Yes	Yes
Ignitor life (typical)	50000 cycles	50000 cycles	50000 cycles
Safety cut-off switch	Yes	Yes	Yes
Temperature adjustable	Yes	Yes	Yes
Approval	TUV	TUV	TUV

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