

**stained glass window works- high power soldering
irons FP 100 CV & FP 150 CV**

These irons are ideal for professional work of leaded alloys or pure lead in making or repairing windows. They are made of first choice materials such as stainless steel, resistant materials engineering plastic and mica Madagascar.

Wire type: Ho5-RRF(resistant rubber and flexible). Allied to our knowledge, these characteristics give these irons, reliability and high performance. **POWER ON SECTOR 230V 50/60 Hz**

MASS:
350g with a curved copper tip Ø9.5 (FP 100CV)
500g with a curved copper tip Ø11.5 (FP150CV)
LONGUEUR: 340mm with tip (FP 100CV)
350mm with tip (FP 150CV)



USING OUR RP 500

Depending on the type of alloy used, or simply for reasons of energy conservation, it is interesting to adjust the tip temperature. For exemple, to TIFFANY works the alloy Sn40Pb60 melts at 240°C can be worked with a tip at 350 ° C while for the leaded stained glass that melts at 327 ° C, a minimum of 400 ° C is necessary.

Control the temperature, that is what makes our case RP 500 by regulating the power absorbed by iron:

BOX CONTROL WITH MICROPROCESSOR
PRECISION CONTROL OF ± 2%



The control is fully electronic and reliable. A microprocessor system was designed to give this body functions virtually equivalent to a system for thermally iron sensor incorporated.

The principle is to regulate in open-loop soldering irons from 30 to 400W at departure of the potentiometer located on the case-receptacle.

Depending on the position of the potentiometer, the iron is powered by waves trains to get the desired power.

The microcontroller, synchronized to the sector (which avoids parasitism) calculates the value of the power demand and optimizes the time it takes to achieve it.

With this integrated system of calculations, 100% of power is programmed at power up. Once the time elapses, the iron will resume his power (or percentage) record. This principle of operation occurs at start-up (cold iron) or each positive changement of the potentiometer (increased set point temperature). Similarly, if we decrease the temperature setpoint, the microprocessor calculates the time it takes to achieve it.

The power of iron will be completely stopped to allow the iron to reach more rapidly its value.

The Flashing light indicates in real-time that the iron is well powered.

(Do not use as dimmer)

CONFORM
TO EUROPEAN
STANDARDS



SEM offers a range of stations, irons and tips adapted to the work of stained glass (TIFFANY...)