

# VULKAN P100/P100K

## INSTRUCTIONS FOR USE

### 1.0 SAFETY PRECAUTIONS.

- 1.1 Your Vulkan Iron is a quality tool, not a toy. Please keep it out of the reach of children.
- 1.2 Your Vulkan Iron contains butane gas under pressure. Keep away from direct heat and out of direct sunlight.
- 1.3 DO NOT puncture the body of your Vulkan Iron and do not place it in a fire or naked flame.
- 1.4 DO NOT use in confined spaces.
- 1.5 DO NOT drop or cause hard shocks to unit or expose to temperatures in excess of 50°C (120°F).
- 1.6 When you fill or operate your Vulkan Iron, ensure that you are not near other naked flame or materials which are combustible.
- 1.7 Before filling with butane gas, ensure that your Vulkan Iron is switched off.
- 1.8 For best results, use only branded quality butane gas.
- 1.9 Point your Vulkan Iron away from your body and face when igniting or filling.
- 1.10 After ignition, the tip of your Vulkan Iron becomes hot very quickly, do not touch with unprotected fingers.
- 1.11 Ensure that the tip of your Vulkan Iron is cool before removing or replacing it.
- 1.12 DO NOT leave your Vulkan Iron unattended while it is in the operating mode.
- 1.13 In the event of leakage, place in an open well ventilated area, away from naked flame, until empty. Then return to purchase point.

### 2.0 FILLING

- 2.1 Ensure your Vulkan Iron is switched off.
- 2.2 Hold your Vulkan Iron vertically with the tip (A) pointing downwards and the filler-valve (B) uppermost.
- 2.3 Introduce the adapter of the gas refill cylinder into the filler valve (B) and press the cylinder vertically downwards. If you hold the Vulkan Iron up to a bright background you can observe the fill level through the translucent tank (C). As soon as the unit is full, liquid gas will overflow from the filler valve (B). **Leave for 3 minutes to stabilise.**

### 3.0 OPERATING

#### AS A SOLDERING IRON

- 3.1 Point the tip end of your Vulkan Iron away from your face and body. **Ensure that the blue max/min ± gas flow control (H) is positioned at the min. (-) position of its travel.**
- 3.2 Push the on/off slider switch (E) forward until you can hear gas being released to the tip.
- 3.3 Using the cap flint (F), aim the spark at the larger exhaust hole (G).
- 3.4 Ignition of the gas is confirmed when an orange glow can be seen.
- 3.5 Adjust gas flow control (H) to mid. position. This position will give satisfactory temperatures for most soldering jobs.  
gas usage 8g/hr
- 3.6 To switch off, push the 'on/off' switch (E) down (away from the tip) this will stop the supply of gas to the tip. Alternatively, replacement of the cap (K) will automatically push the on/off control to the 'off' position. When replacing the cap, ensure that it does not come into contact with the hot tip.

#### 4.0 AS A GAS TORCH TOOL

Remove the tip assembly (see 6.1/6.2 below), fit gas torch accessory VT-5 and tighten in place with collet, repeat operating actions 3.1- 3.3 above. The gas torch can be ignited by pushing the 'on/off' slider switch to the end of its travel and release switch to the 'on' position.

#### 5.0 AS A HOT AIR TOOL

- 5.1 Remove the tip assembly (see 6.1/6.2 below). Fit hot blow attachment VT-6 and tighten in place.  
Repeat ignition sequence (see 3.2/3.3)

#### 6.0 TIP REPLACEMENT

#### DO NOT FILE TIPS

- 6.1 Grip the collet (J) by hand and turn it anti-clockwise.
- 6.2 If the tip assembly is hot, remove it with smooth jaw pliers.
- 6.3 Place any hot tins into an open metal tray or similar to prevent damage to a surface or to the tip.

## 7.0 FAULT FINDING

### Fault

Does not ignite.

Tip ignites but glow is intermittent. Gas flow appears to be pulsing, not smooth, Tip does not heat up.

### Cause

Tank empty.  
Adjuster incorrectly set.  
Soldering Iron too cold

Gas setting too high

Used up catalyst.

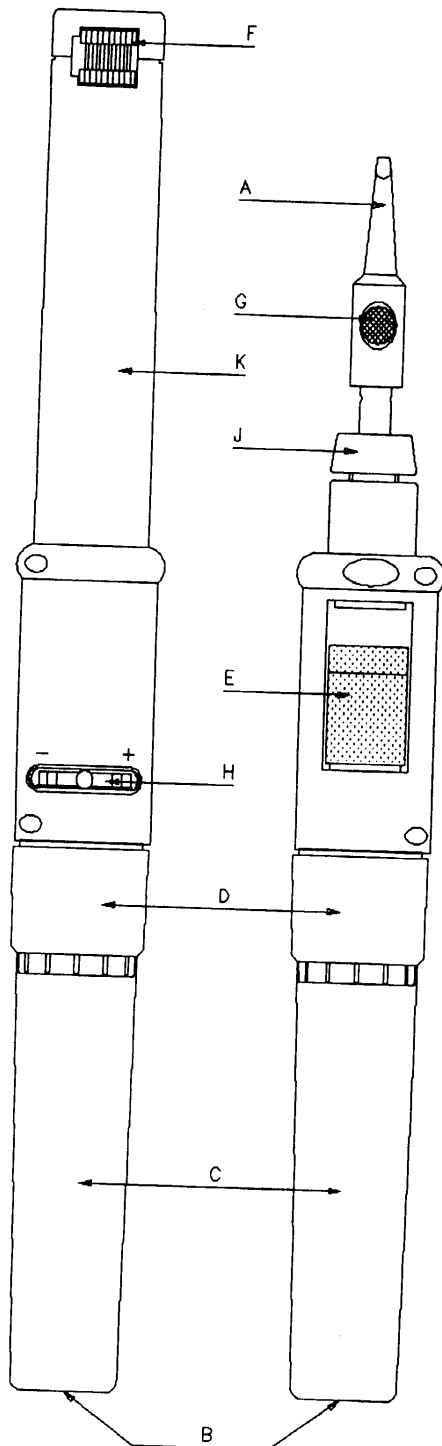
### Action

Refill tank.  
Set adjuster **(H)** to Min (-).  
Warm Gas Tank **(C)** in hand.

Reduce gas flow by adjusting towards (-) minus

Replace with new tip.

**HINTS:** Some of the above symptoms may occur if your Vulkan Iron has been stored in very cold conditions or if you have just filled the unit with Butane Gas. Before igniting, warm the Tank and Housing (C/D) of your Vulkan Iron in your hand, for about 1 minute.



## P-100

