

# VULKAN DEHORNER

## INSTRUCTIONS FOR USE

### SAFETY PRECAUTIONS

- These instructions must be read carefully before the device is used.
- Your Vulkan Dehorner is a quality tool, not a toy. Please keep it out of the reach of children.
- Your Vulkan Dehorner contains pressurised butane gas. Keep away from direct heat and out of direct sunlight. Dehorners which have visible damage must not be operated, on any account. The assembly and set-ups, which were carried out by the manufacturer, must not be modified. It is dangerous to carry out any unauthorised constructional modifications on the device, to remove parts or to use other parts other than those permitted by the manufacturer.
- **DO NOT** puncture the body of your Vulkan De-Horner tool and do not place it in a fire or near a naked flame.
- **DO NOT** use in confined spaces. **Ensure work area is adequately ventilated.**
- **DO NOT** drop or cause hard shocks to unit or expose to temperatures in excess of 50°C (120°F).
- When you fill or operate your Vulkan Dehorner, ensure that you are not near other naked flame or combustible materials.
- Before filling with butane gas, ensure that your Vulkan Dehorner is switched off.
- For best results, use only branded quality butane gas. **Vulkan Gas Tools recommend Ronson Gas.**
- If the tool is found to be leaking, switch off and place in an open, well-ventilated area until empty. Return to purchase outlet.
- Point your Vulkan Dehorner away from your body and face when igniting or filling.
- After ignition, the head of your Vulkan Dehorner becomes hot very quickly; do not touch with unprotected fingers.
- Ensure that the head of your Vulkan Dehorner is cool before removing or replacing it.
- **DO NOT** leave your Vulkan Dehorner unattended while it is in the operating mode.
- When using as a Dehorner wear safety gloves at all times.

### FILLING

- Ensure your Vulkan Dehorner is switched off. Remove end Cap.
- Hold your Vulkan Dehorner vertically with the head pointing downwards and the **GAS REFILL VALVE** uppermost.
- Introduce the adapter of the **GAS REFILL** cylinder into the **GAS REFILL VALVE** and press the cylinder vertically downwards. If you hold the Vulkan tool up to a bright background you can observe the fill level through the **TRANSLUCENT GAS TANK** As soon as the unit is full, liquid gas will overflow from the **GAS REFILL VALVE**. Leave for 3 minutes to stabilise.

### OPERATING

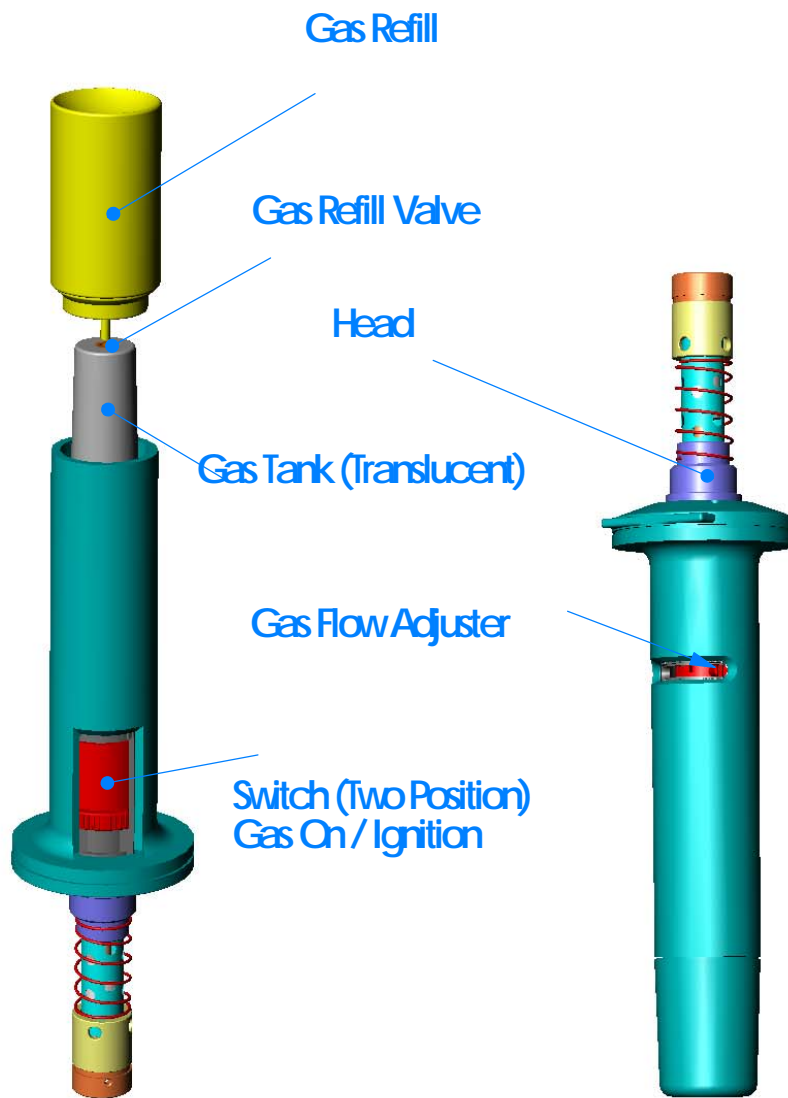
- Point the head of your Vulkan tool away from your face and body.
- Ensure that the Max/Min **GAS FLOW ADJUSTER** is positioned at the max. position of its travel
- Push the on/off **SWITCH** forward until you can hear gas being released to the head.
- Push the 'on/off' **SWITCH** to the end of its travel. This will ignite the gas.
- Release **SWITCH** back to 'gas on' position. Ignition of the gas is confirmed when an orange glow can be seen.
- Maximum gas usage is 12g/h.
- To switch off and stop the gas flow, push the 'on/off' **SWITCH** down (away from the head) this will stop the supply of gas to the head.

### NOZZLE MAINTENANCE

**Refer to Nozzle Maintenance (.pdf) information**

### ADJUSTING GAS FLOW

**Refer to Adjusting Gas Flow (.pdf) information**



## FAULT FINDING (DEHORNER)

Fault	Cause	Action
Does not ignite.	Tank empty.	Refill tank.
Does not ignite.	Adjuster incorrectly set.	Refer to ( Adjust Gas Flow) Instructions
Does not ignite.	Loose ceramic.	Tighten ceramic by hand.
Does not ignite.	Clogged nozzle.	Refer to ( Nozzle Maintenance) Instructions
Head does not heat up.	Catalyst used up.	Replace with new Head.
Tip ignites but gas flow is not smooth.	Soldering Iron too cold	Warm Gas Tank in hand.
Gas flow appears to be pulsing, not smooth.	Gas setting too high.	Refer to ( Adjust Gas Flow) Instructions
Reduced gas flow at maximum setting.	Vapour pressure is too low.	Refer to ( Adjust Gas Flow) Instructions

### HINT:

Some of the above symptoms may occur if your Vulkan Dehorner has been stored in very cold conditions or if you have just filled the unit with Butane Gas.

Before igniting, warm the GAS TANK by removing end cap from your Vulkan Dehorner and holding GAS TANK in your hand in an upright position for approx. 2 minute.