PROPANE TORCH KIT

MODEL NO'S: **LPT7,LPT14**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

Refer to instruction manual

1. SAFETY

❑ **WARNING!** It is the user's responsibility to ensure the safe use of the blow torch. The following safety instructions are a guide only, and not an exhaustive list of potential hazards.
NOTE: The torch is for use with propane only.

✓ Check torch and hose are in good condition and not damaged. Take immediate action to repair or replace damaged parts.
✓ Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
✓ Use and store gas cylinders in accordance with all government and local authority regulations applicable to such items.
✓ Turn the gas cylinder tap on first, then the regulator, and finally the torch tap. Reverse procedure to shut off.
✓ Ensure nothing is standing or passing in front of the torch as the torch is ignited, and ensure you use a controlled source of ignition.
✓ Ensure continuous ventilation is provided to the torch operating area, and that the area is clean and tidy.
✓ The use of safety gloves is recommended. Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
✓ Always keep an appropriate fire extinguisher at hand.
✓ Ensure there are no non essential persons in the working area.
× **DO NOT** point torch at yourself or others. **DO NOT** leave torch lying unattended. Place in an appropriate holder when pilot only is operating, or to cool.
× **DO NOT** use torch near flammable material, liquids, solids, or gases, and materials that may be accidentally ignited i.e. wood, cloth, plastic etc.
× **DO NOT** point the torch at the gas cylinder or hoses, and **DO NOT** use the torch to remove any ice that may form on the gas cylinder.
× **DO NOT** heat items the substance of which (or surface residues) contain any materials that become hazardous when heated.
× **DO NOT** operate the torch when you are tired or under the influence of alcohol, drugs or intoxicating medication.
× **DO NOT** touch the torch or the work-piece until all parts have completely cooled.
× **DO NOT** allow untrained persons to ignite or use the torch.
× **DO NOT** leave the torch operating when unattended.
× **DO NOT** try to make the torch "nozzle hole" larger.
✓ Ensure the torch is correctly turned off when not in use.
❑ **WARNING!** If the torch is used for prolonged periods at maximum power, ice may form on the propane cylinder. This is due to excessive evaporation. In such a case **DO NOT** use the torch to de-ice the cylinder.

LPT14

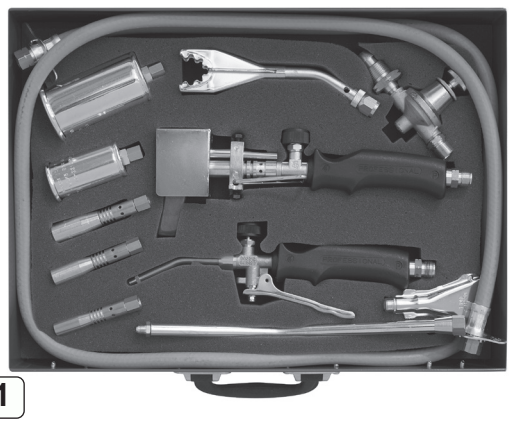

fig.1

LPT7

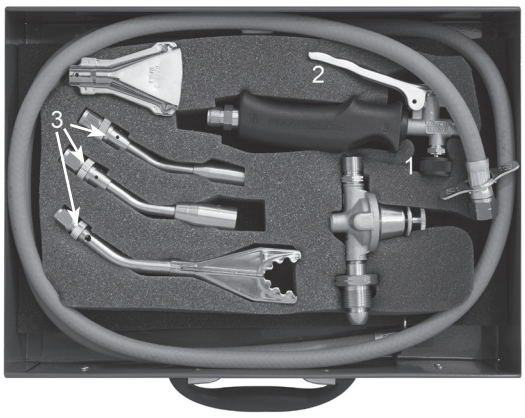

fig.2

2. INTRODUCTION

Suitable for heating and soldering. Control set includes gas valve and rapid flame control. Simply set the minimum flame level and by activating the rapid flame control, the intensity of the flame is instantly adjusted. Supplied with 2m rubber hose, propane regulator and selection of nozzles in metal storage case.

3. OPERATION

❑ **WARNING!** It is the user's responsibility to ensure the safe use of the blow torch.

3.1. **CONNECTING THE TORCH TO THE GAS CYLINDER. THE TORCH SHOULD ONLY BE USED WITH PROPANE GAS** and must be used in conjunction with the pressure regulator supplied. The torch will work with pressures between 1 - 7 Atm. See Table below for description of power/energy consumption.

3.1.1. Ensure that the rubber hose for connecting the torch to the regulator/gas cylinder is in good condition.

3.1.2. For LPT7 the burners connect directly to the torch. For LPT14 select either the short or long extension and connect it to the torch. Then select the desired burner for the task in hand and attach it to the torch (or extension) ensuring that the joints are properly seated and fully tightened.

3.1.3. Attach the regulator to the gas cylinder and connect the torch using the rubber hose ensuring that the hose connections are properly seated and fully tightened.

3.1.4. **LEAK TESTING** Before lighting the torch all connections must be leak tested using a thick soap solution such as washing up liquid or ideally a proprietary leak detection spray. Close the burner control on the torch. Open the gas cylinder tap and then the regulator. Spray every joint on the regulator, hose and torch with leak detection fluid and check for leaks. Tighten any joints as necessary and retest. If any joints still leak turn off the gas, disassemble and investigate. On LPT14 check condition of "O ring" seals. Do not proceed to lighting the torch until all joints are gas tight.

2.3. **IGNITION**

NOTE: Pilot light control. The burners on the LPT7 are fitted with a pilot light control in the form of a brass sleeve on the burner tube which will slide over the air inlet holes at the base of the burner stem (see fig.2.3.). This has the effect of turning a blue flame to a more visible yellow flame when only a pilot light is required. (Only the pipe heating burner on the LPT14 has this feature.)

3.1.5. Ensure that the burner control tap (fig.2.1.) is turned off.

3.1.6. Open the gas cylinder tap first and then screw the regulator tap downwards to open it.

3.1.7. Open the control tap (1) a small amount only until the gas can be heard escaping .

3.1.8. Draw your flame igniter up to the underside of the torch burner opening.

3.1.9. Once the torch "pilot"has ignited remove and extinguish the source of ignition.

3.2. **USING THE TORCH** If the flame is set for a yellow pilot light slide the pilot light sleeve away from the air inlet holes so that the flame burns blue.

3.2.1. For increased flame intensity depress the trigger. (fig.2.2.)

3.2.2. Release the trigger to return the flame to the "pilot" light.

3.2.3. Flame intensity can be controlled using the burner control tap (fig.2.1.). As the tap is opened up the flame gets larger. As the tap approaches fully open the trigger is overridden and only comes back into play again when the tap is partly closed.

3.2.4. Turn the control tap (1) off to extinguish the torch completely, and then turn the gas cylinder tap off.

4. MAINTENANCE

❑ **WARNING!** Before commencing service or maintenance turn all gas taps off and disconnect the torch from the gas supply.

NOTE: From time to time the burner nozzle and injector may require cleaning. Refer to relevant section below.

4.1. **LPT7 MAINTENANCE**

4.1.1. To dismantle the nozzle To dismantle the nozzle and injector from a burner insert a 4mm hex key into the hexagonal hole to be seen in the base of each burner stem. Unscrew the nozzle from the stem. Unscrew the injector from the nozzle using a 7mm socket or spanner. Wash the nozzle and injector carefully in petrol or similar cleaning fluid. Do not dislodge the filter gauze to be found in the base of the fine injectors. Blow out the injector with compressed air from the filter end only. WARNING! **DO NOT** clean the injector with a thin steel wire as this may enlarge the hole in the injector making it unsafe to use and invalidating your warranty. Reassemble ensuring that the loose connector nut is held in place by the injector/nozzle assembly.

4.2. **LPT14 MAINTENANCE**

The nozzle/injector assemblies are mounted at the base of each burner head and serve to connect the heads to the torch extensions. Unscrew the nozzle/injector from the burner head using a 13mm spanner. Unscrew the injector from the nozzle and proceed as above.

BURNER DIAMETER mm	POWER kW	CONSUMPTION gr/hr
10	1.4	100
14	1.7	120
17	2	140
20	2.1	150
25	3.7	265
35	6.3	450
45	19.5	1400
50	28	2000
60	35	2500
76	54	3850
45 TURBO	29.5	2100
50 TURBO	33	2350
60 TURBO	54	3850

ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

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Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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