



SMOKE DIAGNOSTIC TOOL - LEAK DETECTOR

MODEL NO: VS872

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



Wear eye protection



Wear a mask

1. SAFETY

- WARNING!** To prevent the risk of sparking, short circuit and possible explosion, **DO NOT** drop metal tools in the battery area, or allow them to touch the battery terminals.
- ✗ **DO NOT** cross-connect unit to battery. Ensure positive (RED) clamp is to positive terminal and negative (BLACK) clamp is to negative terminal.

1.2. GENERAL SAFETY

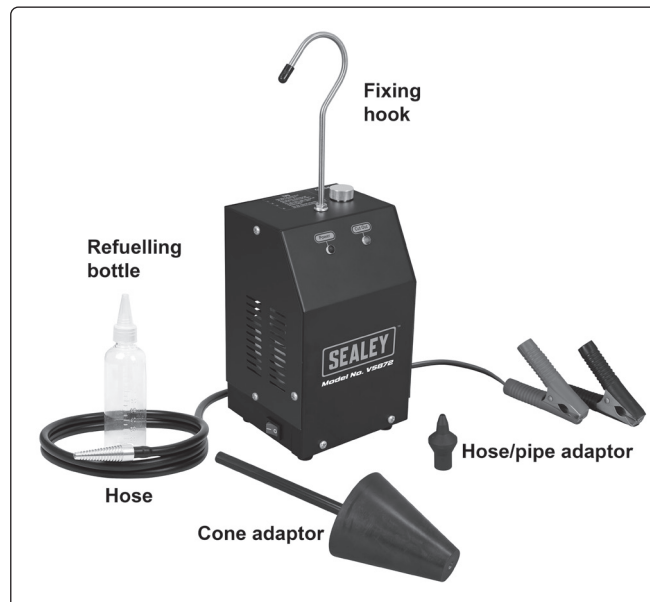
- WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using this unit.
- ✓ Use in conjunction with manufacturer's workshop manual and or information.
- ✓ Maintain this product in good working order and condition. Take immediate action to repair or replace damaged parts.
- ✓ Use approved parts only. Unapproved parts may be dangerous and will invalidate the warranty.
- ✗ **DO NOT** use to perform a task for which it is not designed.
- ✗ **DO NOT** allow untrained persons to use the unit.
- ✗ **DO NOT** use when tired or under the influence of drugs, alcohol or intoxicating medication.
- ✗ **AVOID** direct inhalation of smoke.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Ensure the work area has adequate lighting.
- ✓ Wear suitable clothing to avoid snagging. **DO NOT** wear jewellery, and tie back long hair. A full range of personal safety equipment is available from your Sealey stockist.
- WARNING!** Unit may get HOT!
- ✗ **DO NOT** remove filler cap when unit is ON.
- ✓ Keep unit upright at all times, to avoid oil leaking out.
- ✓ When not in use, clean unit and store in a safe, dry, childproof location.
- ✓ Ensure that mineral oil (baby oil) safety data sheet has been read, and that user understands the health risks involved and uses appropriate personal protective equipment.

2. INTRODUCTION

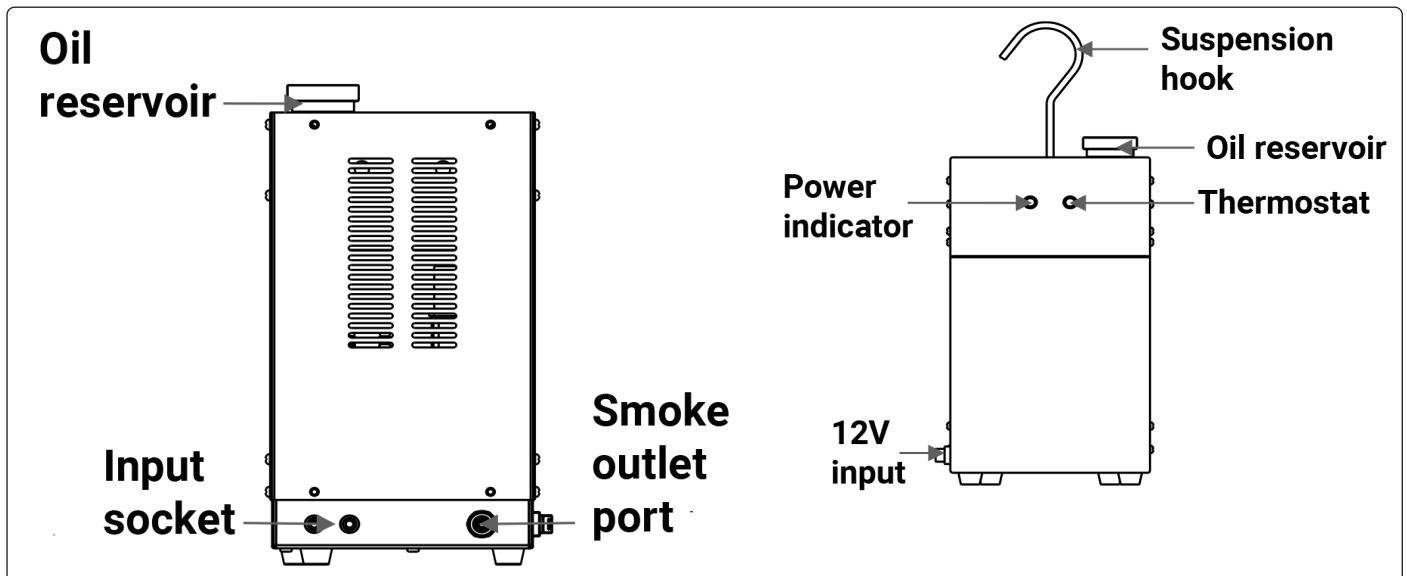
Allows the technician to pinpoint all manner of system leaks, including the air intake, cooling, evaporation, fuel, exhaust and vacuum systems. High smoke delivery for effective fault diagnoses. Fast and simple to use, maximising earning potential. Features single-button operation and auto-power-off. 12V battery connection. Accessories included are blanking cone, fixing hook, hose adaptor, hose and filling bottle. Uses mineral oil (not included).

3. SPECIFICATION

Model No: VS872
 Hose Length:..... 1650mm
 Weight:..... 1.56kg
 Maximum Input Pressure: 23psi
 Oil Reservoir Capacity: 30ml
 Output Pressure:..... 23psi
 Output Smoke:..... 8L/min
 Rubber Cone Sizes: Hose adaptor Ø5-27mm,
 Blanking cone Ø33-84mm



4. FEATURES



5. OPERATION

5.1. PREPARATION

- 5.1.1. Before filling with fresh oil, pour out the remaining oil in the detector.
- 5.1.2. Fill oil reservoir with 30ml, not over this amount.
- 5.1.3. Replace mineral oil regularly.
- 5.1.4. Types of oil permissible to use: Liquid paraffin, skin care glycerin or industrial glycerin, and baby oil.

NOTE: Make sure there is no water as a constituent of the oil, any sticky liquid is forbidden.

5.2. HOOK

- 5.2.1. Unit can be hung from the vehicle with the hook provided. Ensure lock nut is wound down enough to prevent the unit falling if it rotates.

5.3. OIL RESERVOIR

- 5.3.1. Total amount of oil must NOT exceed 30ml. Overfilling will result in insufficient internal heating and therefore poor smoke output.
- 5.3.2. Ensure sealing O ring remains in place.

5.4. THERMOSTAT INDICATOR LIGHT

- 5.4.1. Lights once up to temperature (producing smoke).

5.5. POWER INDICATOR LIGHT

- 5.5.1. Denotes 12V input connection.

5.6. POWER SWITCH

- 5.6.1. When 12V power is connected, press the On/Off switch, and the power indicator light  lights up.

- 5.6.2. The smoke pump will operate as the unit is turned

5.7. SMOKE OUTLET PORT

- 5.7.1. Connect smoke outlet pipe.
- 5.7.2. Remove threaded collar and place over end of pipe.
- 5.7.3. Push pipe over the smoke outlet and screw on threaded collar.

5.8. OPERATION

- 5.8.1. After attaching desired accessory to the leak detector, fill oil reservoir (30ml in first instance) and unit will work for approximately 15 minutes.

× **DO NOT** overfill.

- 5.8.2. Attach smoke detector accessory to desired part of the vehicle's engine etc. Block the 'end' of the pipe.

- 5.8.3. Connect 12V power to car's battery, (red clip positive, black clip negative).

- 5.8.4. Turn on power switch, indicator light (see 5.6.1) illuminates.

- 5.8.5. Expected time for smoke to accumulate would be approximately 1 minute.

5.8.6. AFTER USE

- 5.8.6.1. Remove from power.
- 5.8.6.2. Clean rubber accessories, avoid contact with corrosive liquids such as petrol.
- 5.8.6.3. **Drain oil:** after each use, to prevent deposition of particles in the reservoir. Invert the unit to drain the remaining oil.

5.9. NOTES:

Only smoke test components that are not smoke sensitive.

× **DO NOT** run the unit for more than 8 minutes. If the unit exceeds this time limit it will power off automatically. In this condition wait for the unit to restart.

6. MAINTENANCE

- 6.1. With use the oil will oxidise and deteriorate. Change oil regularly.
- 6.2. Empty old oil from reservoir before refilling.
- 6.3. Keep unit clean with a soft dry cloth.
- 6.4. Store in a dry, child free place.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way.

Contact your local solid waste authority for recycling information.



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.

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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