



# 5PC COOLING SYSTEM PRESSURE TEST KIT

MODEL NO: **VS0033**

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 instructions



Wear eye protection



Wear protective gloves

## 1. SAFETY

- WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.
- ✓ Read instructions thoroughly to ensure safe and effective use.
- ✓ **IMPORTANT!** Read instructions in conjunction with vehicle or equipment manufacturer's workshop manual.
- ✓ Maintain the apparatus in good condition (use an authorised service agent). Before each use check condition of each component. If any component is damaged, replace immediately. Use genuine parts only. Unauthorised parts may not function correctly and will invalidate the warranty.
- ✓ Use in a suitable work area. Keep area free from unrelated materials and ensure that there is adequate lighting.
- WARNING!** Always wear approved eye (or face) and hand protection when pressure testing.
- ✓ Keep children and unauthorised persons away from the working area.
- ✗ **DO NOT** operate the pressure tester when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** clean the equipment with solvents or other harsh chemicals.
- ✗ **DO NOT** use the pressure tester for any purpose other than that for which it is designed.
- ✓ When not in use return parts to the case, and store it in a safe, dry, childproof location.

## 2. INTRODUCTION

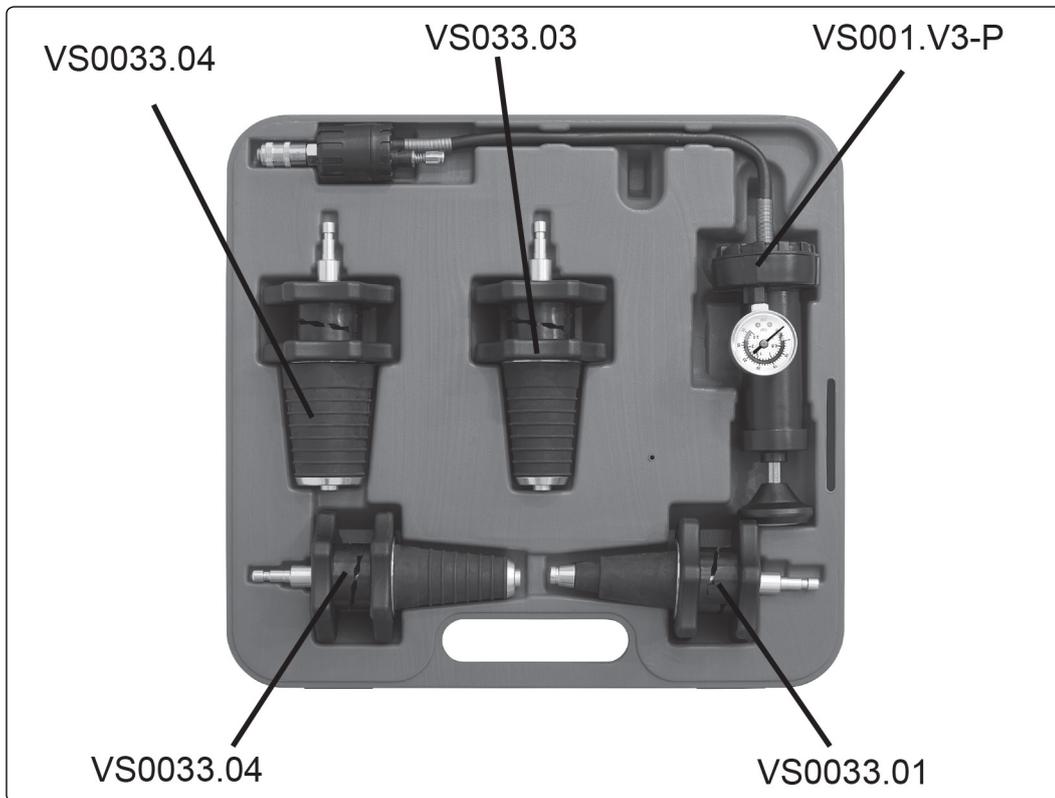
Capless tester uses cone adaptor system to seal and pressurise the cooling system. Adaptors may be used to replace both screw and bayonet type cap fittings. Kit includes pump with gauge and four system adaptors for use on a wide range of vehicle applications.

## 3. SPECIFICATION

Model No:.....VS0033  
Nett Weight: .....2.84Kg

## 4. CONTENTS

Part	Description
VS0033.01	Cone adaptor 17-24mm
VS0033.02	Cone adaptor 28-31.5mm
VS0033.03	Cone adaptor 37-39.5mm
VS0033.04	Cone adaptor 47-48.5mm
VS001.V3-P	Pressure hand pump

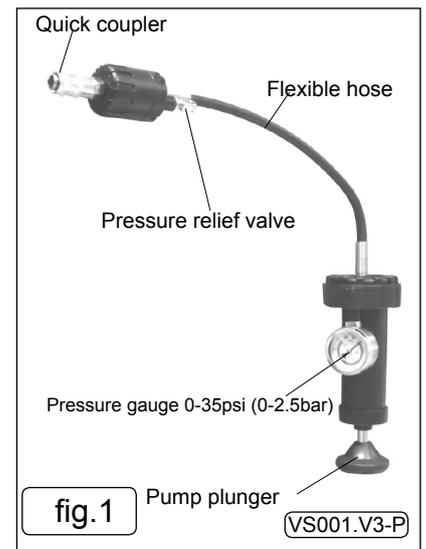


## 5. OPERATION

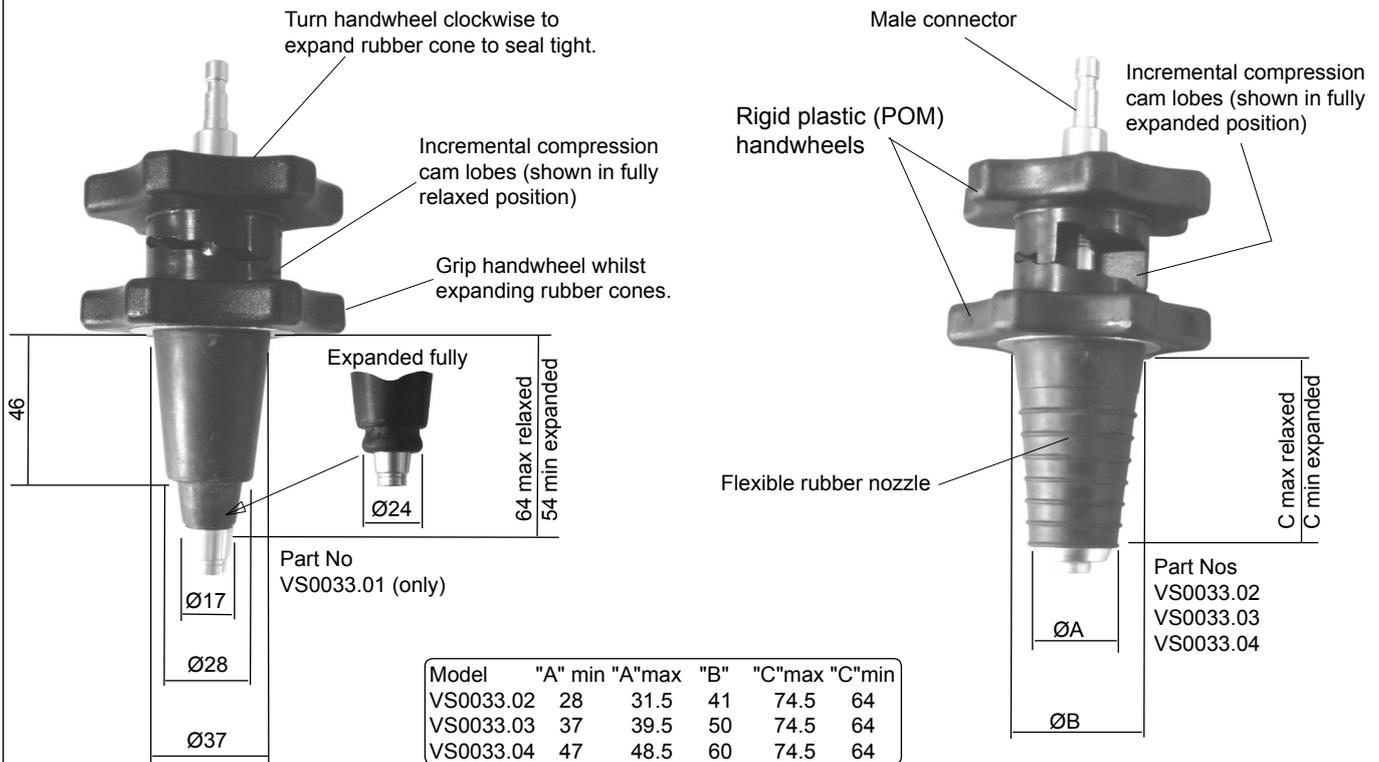
- 5.1. Follow the manufacturer's instructions for removal of filler cap, use a thick cloth or gloves and arm protection if the system is known to be hot and or under pressure.
- 5.2. Select the correct adaptor by first measuring or gauging by eye the filler neck diameter.
- 5.3. Ensure the sealing conical nozzle is in its "relaxed" condition by visually inspecting the hand wheel incremental cam lobes. The gap between handwheels will be at their closest.
- 5.4. Insert the conical nozzle end of adaptor and ensure a partial seal.
- 5.5. Adjust seal compression integrity by gripping the handwheel nearest the nozzle and rotating the top handwheel clockwise until an adequate seal is obtained. Resistance will increase with seal compression via the incremental cam lobes.
- 5.6. Attach the quick coupler of the pump hose on to the conical adaptor (fig.1).

**NOTE!** Due to the design of the internal pump seal, a vigorous pumping action is required to activate the seal and pressurise the system. A light or slow pumping action will prove ineffective. The larger the air space within the cooling system being tested, the more vigorous the initial pumping should be. By filling the cooling system and therefore reducing the airspace within, less effort will be needed to pressurise it.

- 5.7. Pump the system until the pressure gauge indicates approximately 15 psi.
- 5.8. If gauge pointer remains stationary for one minute it will indicate that the cooling system is in good working order.
- 5.9. If the pointer falls, it indicates that the system has a leak resulting in loss of pressure.
- 5.10. Check the system for water leaks and, if located, repair accordingly.
- 5.11. If there is pressure loss but no external water leakage check condition of the head gasket.
- 5.12. Re-test to ensure the repaired system is in good working order.
- 5.13. Once the test is complete, release the air pressure by depressing the spring loaded pressure relief valve (fig.1).
- 5.14. Disconnect the quick coupler (fig.1).
- 5.15. Remove the conical adaptor assembly by firstly gripping the handwheel nearest the nozzle and secondly relaxing the seal compression by rotating the top handwheel counter clockwise fully up to mechanical stop.



## Conical expanding adaptors



## 6. MAINTENANCE

- 6.1. Always keep the rubber cones clean and free of oil and grease. Clean them regularly with a non-aggressive cleaner, ensuring dry before storage.
- 6.2. In order to preserve elasticity, **DO NOT** expose rubber cones to sunlight over an extended period of time.



### 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.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



01284 703534



sales@sealey.co.uk



www.sealey.co.uk