



COOLING SYSTEM VACUUM PURGE & REFILL KIT

MODEL NO: **VS0046**

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 ear protection

1. SAFETY

- ✓ Ensure all workshop safety rules, regulations and conditions are complied with when using this tool.
- ❑ **WARNING!** Disconnect from the air supply before changing accessories or servicing.
- ✓ Maintain the equipment in good condition and replace any damaged or worn parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ❑ **WARNING!** Check that correct air pressure is maintained.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
- ✓ Wear approved safety eye and ear protection (available from your Sealey supplier).
- ✓ Keep this tool clean and in good working order for best and safest performance.
- ✗ **DO NOT** use the tool for a task it is not designed to perform.
- ❑ **WARNING! DO NOT** use the tool if it is damaged or thought to be faulty. Contact your local service agent.
- ✗ **DO NOT** drop, throw or abuse the tool.
- ✗ **DO NOT** carry the tool by the air hose, or yank the hose from the air supply.
- ✗ **DO NOT** operate if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** direct air from the air hose, at yourself or others.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ When not in use, disconnect from the air supply and store in a safe, dry, childproof location.
- ❑ **WARNING!** The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.

2. INTRODUCTION

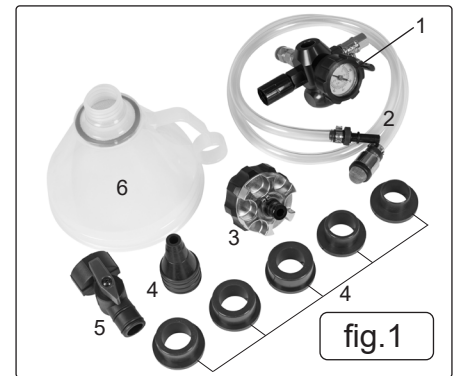
Eliminates the introduction of bubbles and airlocks into the cooling system and dramatically reduces system filling time. No more time-consuming cooling system bleeding and messy spills to clean up. Automatically conducts system leak test. Simple operation requires a workshop air supply and does not require a fiddly interchange of vacuum and fluid hoses. Refill the system by attaching the filler hose and opening the valve allowing your premixed coolant to flow into the system. The system can be filled manually via the funnel, which has a built-in shut-off valve that helps prevent airlocks. Supplied with a 1.25m filler hose, six reservoir adaptors 31, 35, 40, 42, 45mm, a cone adaptor and a storage case.

3. SPECIFICATION

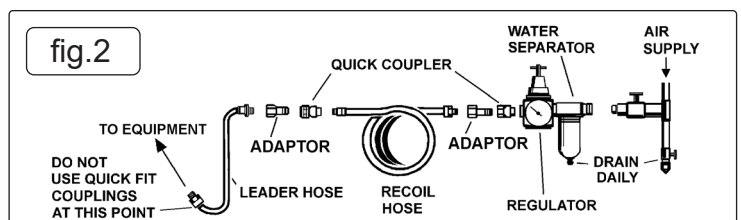
Model No:	VS0046
Air Inlet Size:	1/4" BSP
Fluid Hose Length:	1.25m
Nett Weight:	1.06kg

4. AIR SUPPLY

- 4.1. Recommended hook-up is shown in fig.2. Ensure that both coolant and vacuum taps are in the 'off' position (fully to the left or right) when connecting the air supply. Fig.1. Shows both taps in the open position (in-line with the outlet/inlet pipe).
- ❑ **WARNING!** Ensure that the air supply is clean and does not exceed 100psi. Too high an air pressure or unclean air will shorten the life of the filler due to excessive wear, and may be dangerous, causing damage and/or personal injury.
- 4.1.1. Drain the air tank on the compressor daily.
- 4.1.2. Clean compressor air inlet filter weekly.



1	Gauge 0 to -1 Bar, 40mm Od, Rear Fitting.
2	Fluid Hose.
3	Funnel Adaptor.
4	Reservoir Adaptors (6pc set).
5	Ball Valve.
6	Funnel.



- 4.1.3. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose size should be ¼" I.D. And fittings must have the same internal bore.
- 4.1.4. Keep hose away from heat, oil and sharp edges. Check hose for wear and make certain that all connections are secure.

5. OPERATION

WARNING! Ensure that you read, understand and apply safety instructions before use.

5.1. PREPARATION.

- 5.1.1. Set vehicle heater control to 'On' and/or 'Hot'.
- 5.1.2. Drain and flush the coolant system.
- 5.1.3. Inspect all coolant system components and repair/replace any unserviceable items.
- 5.1.4. Prepare a suitable coolant mix (refer to the vehicle manufacturer's service manual). Mix 10% more than the system's volume, to ensure that the filler hose will always be submerged.
- 5.1.5. Connect the filler to the compressed air system, as described in Section 4.

5.2. SUCTION FILLING.

- 5.2.1. Raise the container of coolant level with the filling point. Insert the adaptor (using the appropriate rubber adaptor if required) to obtain a tight fit into the filler neck of the radiator (or header tank, if fitted). Use the extension pipe if required. Support the air line so that the filler is not pulled off-centre.
NOTE: On some vehicles fitted with an overflow tank, it may be necessary to clamp the overflow hose.
 - 5.2.2. Place the filler hose into the container of coolant. Ensure that the filter on the end of the hose remains submerged throughout the filling process.
 - 5.2.3. Check that the coolant tap is in the closed (fully to the right or left) position.
NOTE: During the following procedure the radiator hoses will collapse under the vacuum being generated - this is normal.
 - 5.2.4. Open the vacuum tap (middle position) and allow the air to evacuate until the gauge reads 50-60inHg.
 - 5.2.5. When the gauge is reading 50-60inHg and has stopped moving, close the vacuum tap, by pushing the lever fully to the left or right. Continue to check the gauge reading over the next 3 minutes. If the gauge reading drops there is a system leak which will require locating and rectifying before proceeding further.
 - 5.2.6. Apply a downward force during filling. Open the coolant tap fully and coolant will flow into the cooling system. For best results raise the coolant container above the level of the filler neck.
 - 5.2.7. When the gauge reads 0inHg, turn the coolant tap to the off position and remove the filler from the filling point. If necessary top up the coolant to the specified level and refit the pressure cap. The system is filled and free from air locks.
 - 5.2.8. Start the vehicle's engine and run until normal operating temperature is attained. Switch off the engine and allow it to cool. Top-up coolant if necessary using the funnel.
 - 5.2.9. It is advisable to now pressure test the system and to check the operation of the thermostat and cooling fan(s).
- WARNING!** Disconnect from the air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts.
NOTE: Use genuine parts only. Non genuine parts may be dangerous and will invalidate the warranty. Air supply faults may cause loss of power or erratic action. Reduced compressor output, excessive drain on the air line, moisture or restrictions in air pipes or the use of hose connections of improper size may reduce air supply.

6. MAINTENANCE

- 6.1. When not in use, disconnect the air supply from the filler.
- 6.1.1. Clean the filler with a slightly dampened cloth and store it in a safe, dry, childproof location.



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.



REGISTER YOUR PURCHASE HERE

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

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



sales@sealey.co.uk



www.sealey.co.uk