

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, AND CAUTIONS. USE THIS 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.**

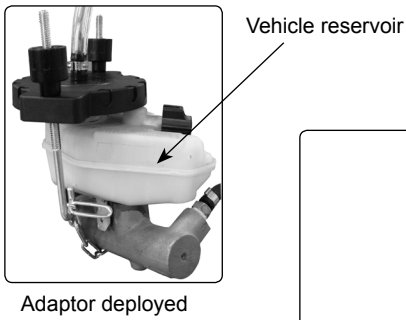
**1. SAFETY INSTRUCTIONS**

- ❑ **WARNING!** Familiarise yourself with the application and limitations, as well as any potential hazards, of this product. Ensure that Health and Safety, local authority and general workshop practice regulations are adhered to when using.
- ✗ **DO NOT** use pressure reservoir, or its ancillaries if damaged.
- ✗ **DO NOT** use the pressure reservoir to perform a task for which it is not designed.
- ✗ **DO NOT** allow untrained persons to use the pressure vessel.
- ✗ **DO NOT** use when tired or under the influence of drugs, alcohol or intoxicating medication.
- ✓ Use approved parts and approved spare parts only.
- ✓ Maintain in a good and clean condition for the best and safest performance.
- ✓ Ensure that the ignition key of the vehicle being worked on is removed, to prevent inadvertent engine cranking.
- ✓ If the vehicle to be worked on is raised, ensure that it is adequately supported with axle stands or ramps and wheel chocks.
- ✓ Wear approved eye protection. A full range of personal safety equipment is available from your Sealey dealer.
- ✓ Wear suitable clothing to avoid snagging. Do not wear jewellery and tie back long hair.
- ✓ 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.

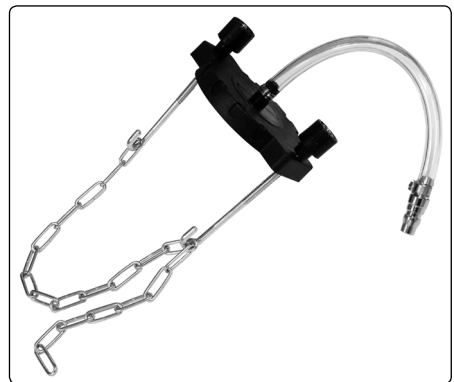
- Brake Fluid Precautions**
- ✓ Always read and comply with the warnings on the brake fluid container.
  - ✓ Wear eye protection and keep skin contact to a minimum. If brake fluid enters eyes rinse with plenty of water and seek medical advice. If swallowed seek medical advice immediately.
  - ❑ **WARNING!** Brake fluid is flammable - keep away from sources of ignition, including hot surfaces e.g. exhaust manifold.
  - ❑ **WARNING!** Brake fluid will damage paintwork. Any spillage should be flushed with water immediately.
  - ✓ Always read and comply with the warnings on the brake fluid container.
  - ❑ **WARNING! DO NOT pollute the environment by allowing uncontrolled discharge of fluids.** Dispose of waste liquids in accordance with local authority regulations.
  - ✓ After use, clean equipment and store in a cool, dry, childproof area.

**2. INTRODUCTION**

One man brake and clutch bleeding the professional way, requiring no external power source, simply fill reservoir and pump. The reservoir capacity of 2.5ltr enables an entire system flush in one fill without the risk of running the reservoir dry. A pressure range of 0- 28psi (0-1.9bar) makes the unit suitable for use with ABS systems. Fitted with a Ø42mm cap and 90° elbow connector which is suitable for most European models. For other applications order optional Ø42mm Straight Adaptor - Model No. VS820SA or Universal Adaptor - Model No. VS820UA.



Brake and clutch bleeding system-Model No VS820.V4



Universal Adaptor - Model No. VS820UA.



Straight Adaptor - Model No. VS820SA.

### 3. OPERATION

Use your bleeder only as directed. Read these directions completely before starting. The apparatus is intended for use only by individuals experienced with bleeding and servicing hydraulic systems. If you are unsure about your ability or experience, consult a trained professional. Always follow vehicle manufacturer's directions when bleeding hydraulic systems.

- 3.1. Ensure that the bleeder is clean and free from debris and old hydraulic fluid.
- 3.2. Remove hydraulic fluid reservoir cap from the vehicle. If old fluid is contaminated, syphon it off and refill reservoir with fresh fluid. **DO NOT** pump contaminated fluid through the hydraulic system.
- 3.3. Firmly attach the bleeder cap to the vehicle fluid reservoir, ensuring that the gasket seats properly and is not worn or cracked.
- 3.4. Tighten pump cap onto empty bleeder and pressurise to 10 psi (0.7bar). Check for leaks at the fluid reservoir and at the bleeder fluid hose connections. If reservoir cap or hose connections are leaking, release accumulated pressure in the bleeder reservoir by gently unscrewing the pump cap. **DO NOT** remove the cap before depressurising the bleeder reservoir. Reattach the bleeder reservoir cap or tighten hose connections and once again pump the tank to 10 psi (0.7bar) and check for leaks.
- 3.5. If no leaks are found, gently unscrew pump cap and add up to 1.25 litre of new hydraulic fluid from a sealed container. Use only the type of hydraulic fluid recommended for your vehicle.
- 3.6. Tighten the pump cap and pressurise the bleeder to the level recommended in the vehicle service manual. **DO NOT** exceed 20psi (1.4bar). Higher pressures may damage your vehicles hydraulic system and could result in serious injury.
- 3.7. Determine the correct brake bleeding sequence from your vehicles service manual. Attach bleed tube to bleed valve at the first cylinder to be bled, open end in a suitable fluid receptacle. Open bleed valve and bleed until fluid runs clear and free of bubbles. Tighten bleed valve to the torque specified in your vehicle service manual.
- 3.8. Repeat on each bleed valve. Pump additional pressure into bleeder if necessary.
- 3.9. If fluid remains in the bleeder reservoir when finished, tip the tank away from fluid pick up tube and open bleed valve closest to the master cylinder. Allow air to flow into fluid reservoir until fluid level falls just to the maximum fill level on your reservoir. Close the bleed valve and tighten to specified torque.
- 3.10. When complete, release pressure by slowly loosening the pump cap. Remove the cap from the fluid reservoir, taking care to avoid spilling any fluid that remains in the tube.
- 3.11. Replace fluid reservoir cap on your vehicle, checking that the fluid level is at the maximum level indicated on the vehicle reservoir.
- 3.12. Before driving your vehicle, carefully check for leaks and test for proper brake operation.
- 3.13. **DO NOT** store hydraulic fluid in bleeder. Always dispose of excess fluid properly in accordance with local authority regulations.



#### **Environmental Protection.**

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.

**Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to [www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or phone 01284 757500.**

**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 will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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