

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease, assume you have the wrong type of pump for the job. Ask at your local HSS Hire for advice.

Keep the equipment clean. You will find this less of a chore if you clean up regularly rather than wait until the end of the hire.

Handle hoses with care. Never lay them over sharp edges, where they could be walked on, or anywhere else that exposes them to the risk of damage.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves. **Protect this equipment from frost and freezing temperatures.**

Never pump anything other than clean water, never use it to pump dangerous or corrosive liquids.

Always de-pressurise the system following the recommended method. Releasing the pressure in any other way could cause the pump to lock up.

FINISHING OFF

To **release the pressure in the system**, open the shut off valve or the 'V2' valve.

Drain down the system being tested then disconnect the pump's pressure hose.

Finally, **coil the hose neatly in the box ready for return** to your local HSS Hire.

... have you been trained

The law requires that personnel using pipe testers must be competent and qualified to do so. Training available at HSS Training Solutions **0845 766 7799**



...any comments?

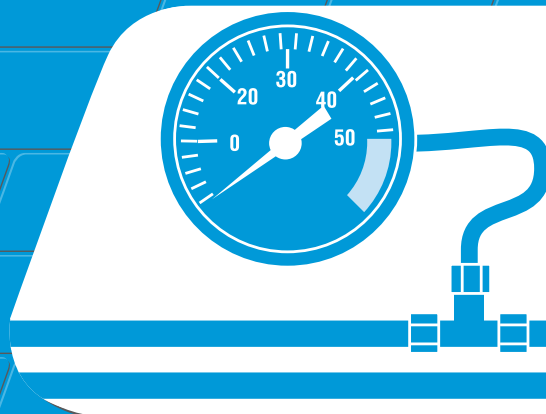
If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below
e-mail: safety@hss.com

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Web Site: <http://www.hss.com>

Operating & Safety Guide 748

HSS Hire



Manual Pipe Pressure Tester

For testing pressurised systems quickly and efficiently.





Code 68820

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire.

This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area.

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

User / Operator Warning

This machine is designed to test the water system on heating installations for leaks, using a pressure system. The installation must only be tested when fully charged with water, therefore all air in the system must be removed. Only qualified persons should use this equipment, as these instructions only cover setting up and using the pump. It is the hirers responsibility to ensure the pressure used is correct for the installation.

Check the equipment before use. If it shows signs of damage or excessive wear, return it.

GETTING STARTED

Un-coil the pressure hose then connect it to the system you wish to test.

Hose Sense

Ensure hoses are free from kinks and sharp turns that could impede the flow of the liquid through the system.

Dependent on model, release the pump handle by either unhooking it or removing its pin.

Fill the pump's reservoir with water, and open the shut off valve. Where the pump has 2 valves close the valve 'V2' (farthest from the pressure gauge) and open the 'V1' valve.

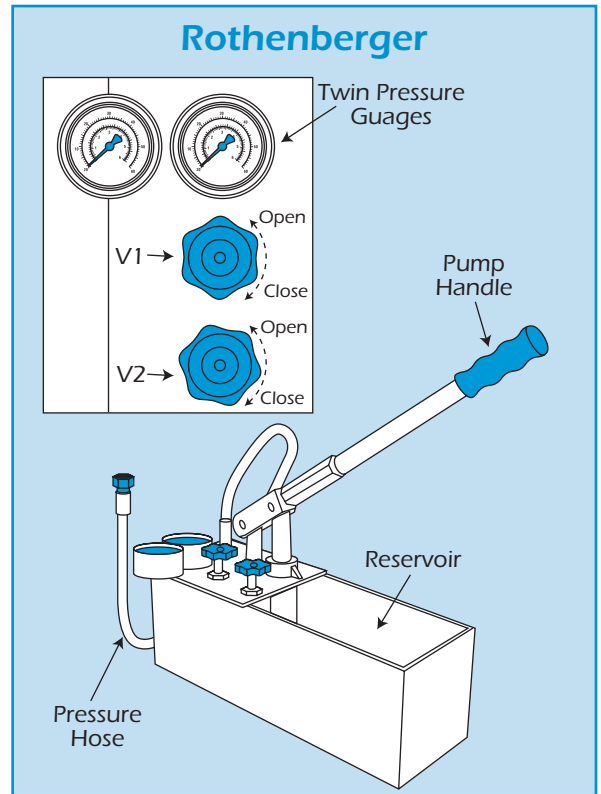
BASIC TECHNIQUES

Open a tap in the system to be tested in order to allow air to escape and pump the handle.

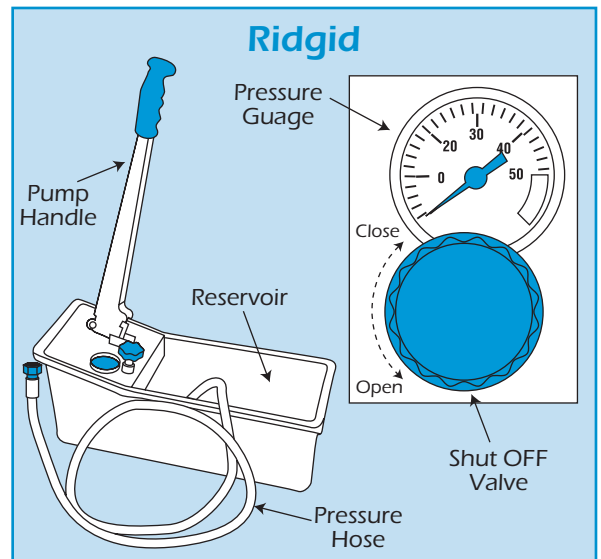
Fill the system with water and remove any trapped air, then close the systems tap.

Pump the system up to the desired test pressure.

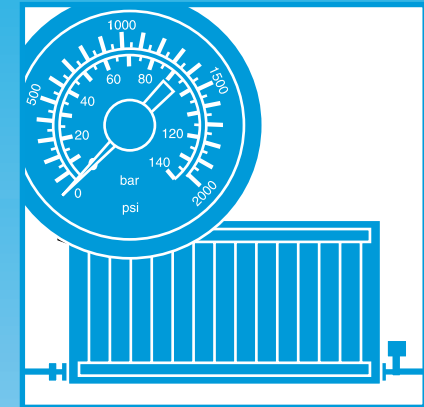
Once test pressure has been achieved, close the shut off valve or valve 'V1'.



Any pressure loss can now be read off the test pressure gauge. Where 2 gauges are fitted both must read the same pressure, if not, stop and contact your local HSS Hire for advice.



HSS Hire Shops

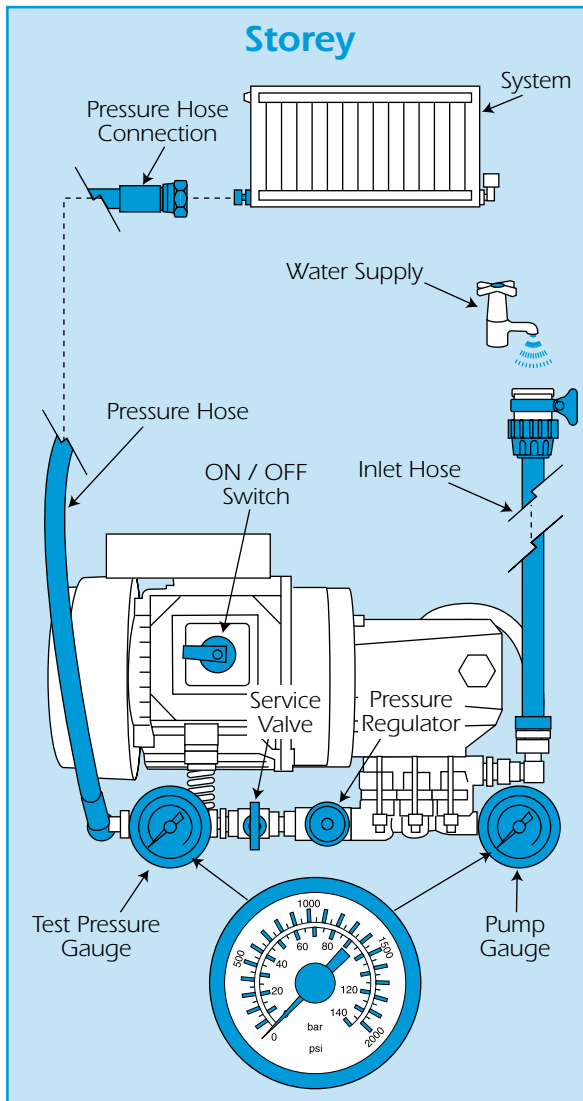


Electric Pressure Test Pump

This offers an ideal alternative to the hand operated model when testing larger or more highly pressurised systems quickly and efficiently.



Code 68832



Once test pressure has been attained, open the service valve, wait until both pump and test pressure gauges give identical readings then close the service valve and switch the pump OFF.

Any pressure loss can now be read off the test pressure gauge.

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease, assume you have the wrong type of pump for the job. Ask at your local HSS Hire Shop for advice.

Keep the equipment clean. You will find this less of a chore if you clean up regularly rather than wait until the end of the hire.

Handle hoses with care. Never lay them over sharp edges, where they could be walked on, or anywhere else that exposes them to the risk of damage.

When not in use, store the equipment somewhere clean, dry and safe from thieves. **Protect this equipment from frost and freezing temperatures.**

Never pump anything other than clean water, never use it to pump dangerous or corrosive liquids.

Be sure **never** to leave the pump running once test pressure has been attained. Switch it OFF.

Never run the pump dry, you will damage it.

Always de-pressurise the system following the recommended method. Releasing the pressure in any other way could cause the pump to lock up.

FINISHING OFF

To release the pressure in the system. Turn the water supply OFF then disconnect the hose to the water supply and direct it into a bucket or drain.

That done, open the service valve and wait until water stops flowing out.

Finally, disconnect the pressure hose and coil all hoses neatly in the pump box ready for return to your local HSS Hire Shop.

...any comments?

If you have any suggestions which would improve the information within this guide please fax your comments or write to the Product Manager at the address below
Fax: 0181-687 5001



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Web Site: <http://www.hss.co.uk>

GENERAL SAFETY



For advice on the safety and suitability of this equipment contact your local HSS Hire Shop.

This equipment has been designed to be used by an able bodied adult. If you suffer from either a temporary or permanent disability, you must seek expert advice before using this equipment.

Keep children, animals and bystanders away from the work area.

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

This equipment should only be used by a competent person who has read and understood these instructions.

  Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could get in the way of the work, tie back long hair.

Never carry, lift or pull the equipment by its power supply cable or hose, always use the handles on the box.

Check the equipment before use. If it shows signs of damage or excessive wear, return it.

ELECTRICAL SAFETY

The HSS Pressure Test Pump requires a 110v generated supply, or may be powered from the mains via a suitable 110v transformer.


Keep the Pumps power supply cable out of harm's way. Never run it over sharp edges, or where it could cause someone to trip.

Extension leads must be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

If the Pump fails, or if its power supply cable or plug is damaged, return it. Under NO circumstances must you use the pump or attempt to repair the damage yourself.

The pump is designed to be used with water, and is perfectly safe to do so provided the user ensures that its box and supply plug are kept dry at all times.

Using ordinary electrical equipment in very damp or wet conditions can be dangerous.

 To reduce the risk of electric shock, use a heavy duty RCD (Residual Current-Operated Device) available from your local HSS Hire Shop.

Ensure the pump is switched OFF before plugging into the power supply.

GETTING STARTED

Ensure any electrical equipment in the vicinity of likely leaks is switched OFF before conducting the pressure test.

User / Operator Warning

This machine is designed to test the water system on heating installations for leaks, using a pressure system. The installation must only be tested when fully charged with water, therefore all air in the system must be removed. Only qualified persons should use this equipment, as these instructions only cover setting up and using the pump. It is the hirers responsibility to ensure the pressure used is correct for the installation.

There are two models available from HSS Hire Shops. Both models work in exactly the same way except for the ON/OFF switch. Dependent on model, switch the pump ON by either pushing the ON/OFF switch on the side of the motor, or turning the ON/OFF switch on top of the motor housing to 'I'. To switch the pump OFF simply reverse the direction. Familiarise yourself with the switches and their location so that you can operate them quickly in an emergency.

Hose Sense

Ensure hoses are free from kinks and sharp turns that could impede the flow of the liquid through the system. The pump must never be allowed to run without a water supply.

Open the carry box and unpack the power supply cable, and both inlet and pressure hoses.

Connect the pump's inlet hose to the water supply then connect its pressure hose to the system you wish to test.

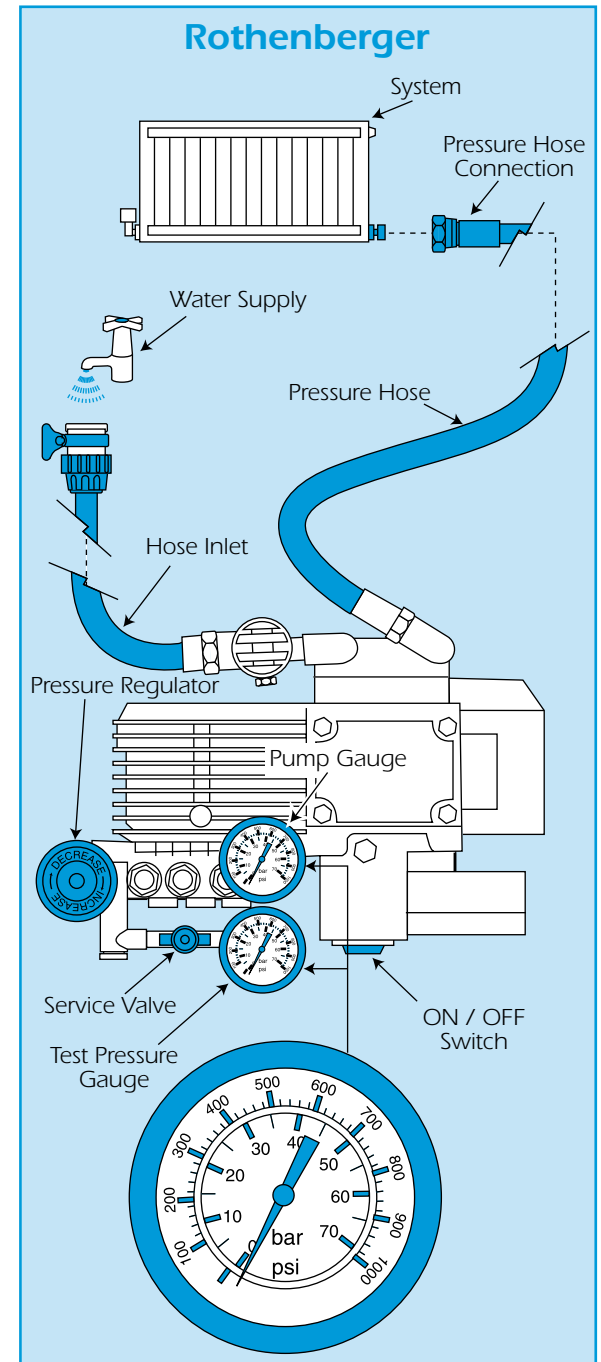
All that remains is to plug the unit into its power supply and switch the supply ON.

BASIC TECHNIQUES

Open a tap in the system to be tested in order to allow air to escape and switch the pump ON.

Fill the system with water and remove any trapped air, close the systems tap and turn the pump OFF.

Close the service valve, and switch the pump ON.



You can now Adjust the pressure regulator until the PUMP GAUGE reads the required test pressure. Turn this clockwise to increase the pressure, anti clockwise to decrease it.