



## Shock Arrestor

PRODUCT CODE: SA1/2 (1/2" BSP)

## Instructions

### **Instructions to install the Mini Expansion Vessel Shock Arrestor 1/2" BSP into an existing plumbing system:**

Turn off the main water supply to the plumbing system.

Locate the appliance causing the water hammer and determine the best location to install the Mini Expansion Vessel Shock Arrestor - 1/2" BSP. The device should be installed as close as possible to the appliance causing the water hammer.

Use a pipe cutter or hacksaw to cut the existing pipe at the location where the Mini Expansion Vessel Shock Arrestor - 1/2" BSP will be installed. The cut should be made in a straight line and should be clean and free of burrs.

Once the pipe is cleanly cut and deburred, an adapter for a 1/2 inch BSP fitting should be secured to the pipe. Ensure a tight, leak-free connection by applying pipe thread tape or sealant on the threads. The Mini Expansion Vessel Shock Arrestor can then be carefully screwed into the fitted adapter.

Install the device into the cut pipe section. The device should be installed in the correct orientation (either vertical or horizontal) as specified by the manufacturer. Make sure that the device is securely fastened and that the connection is tight.

Turn the main water supply back on and check for leaks. If there are any leaks, turn off the main water supply and tighten the connection.

Adjust the pre-charge pressure of the Mini Expansion Vessel Shock Arrestor - 1/2" BSP to the specified range (3 to 3.5 bar) using a pressure gauge and a suitable pump.

Turn on the appliance causing the water hammer and check for any signs of water hammer. The Mini Expansion Vessel Shock Arrestor - 1/2" BSP should help to reduce or eliminate the water hammer.

Check the device periodically for leaks and damage, and adjust the pre-charge pressure if necessary.

If the Mini Expansion Vessel Shock Arrestor - 1/2" BSP does not effectively reduce or eliminate the water hammer, consult with a qualified plumber or technician to determine other possible causes and solutions.

Following these instructions should allow for a proper installation of the Mini Expansion Vessel Shock Arrestor - 1/2" BSP into an existing plumbing system. As always, it is important to follow the manufacturer's instructions and to exercise caution when working with plumbing systems.

When installing the Mini Expansion Vessel Shock Arrestor - 1/2" BSP, it is recommended to use a suitable thread sealant to ensure a tight and leak-free connection. However, it is important to choose a thread sealant that is compatible with the device and adheres to WRAS regulations.

According to the WRAS guidelines, the thread sealant used should be non-toxic and non-tainting, and should not affect the quality or safety of the drinking water supply. Additionally, the sealant should be suitable for use with the materials used in the device, which typically include brass or stainless steel.

One commonly used thread sealant that meets these requirements is PTFE tape, which is a thin, white tape made from polytetrafluoroethylene. PTFE tape is safe for use with drinking water and is compatible with brass and stainless steel fittings. It is also easy to apply and can help to create a tight, leak-free seal.

When using PTFE tape or any other thread sealant, it is important to follow the manufacturer's instructions and apply the sealant properly. This can help to ensure a secure and reliable connection that adheres to WRAS regulations and provides safe and reliable operation of the Mini Expansion Vessel Shock Arrestor - 1/2" BSP.



**TFC GROUP**

**Mini Expansion Vessel Shock Arrestor SA1/2**



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TFC GROUP, TOWER HOUSE, VALE RISE, TONBRIDGE, KENT TN9 1TB

Tel: 01732 351680 Fax: 01732 354445 [www.tfc-group.co.uk](http://www.tfc-group.co.uk)

Prepared for TFC Group By: M. Edmonston

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