

**Shock Arrestor SA1/2****Mini Expansion Vessel Shock Arrestor - Part Code SA1/2**

Description: The Mini Expansion Vessel Shock Arrestor SA1/2 is a compact and effective device designed to prevent water hammer in plumbing systems. The expansion vessel is pre-charged with air, which compresses when water flows into the vessel, creating a cushion of air that absorbs the pressure wave created when water flow is suddenly stopped. The device is suitable for potable water applications and has been approved by WRAS. It is easy to install with a Parallel 1/2" BSP connection and can be installed vertically or horizontally. The vessel has a capacity of 0.16 litres and a pre-charge of 3 to 3.5 bar. It has a maximum operating pressure of 10 bar and a diameter of 78mm with a height of 110 mm.



Applications: The Mini Expansion Vessel Shock Arrestor - SA1/2 is ideal for use in residential and commercial plumbing systems, especially near appliances that are prone to water hammer such as washing machines, dishwashers, and toilets.

Note: The Mini Expansion Vessel Shock Arrestor - SA1/2 is designed to prevent water hammer caused by sudden stops in water flow. It may not be effective in preventing water hammer caused by other factors such as air in the plumbing system, incorrect pipe sizing, or faulty valves. It is important to ensure that the plumbing system is properly designed and installed to prevent water hammer.

Safety Precautions: The Mini Expansion Vessel Shock Arrestor SA1/2 should only be installed by a qualified plumber or technician.

- Always follow the manufacturer's instructions for installation, operation, and maintenance.
- Do not exceed the maximum operating pressure of 10 bar.
- Do not attempt to repair or modify the expansion vessel, as this may cause injury or damage.
- Ensure that the plumbing system is properly designed and installed to prevent water hammer.

Environmental Considerations:

The Mini Expansion Vessel Shock Arrestor SA1/2 is made from materials that are recyclable and should be disposed of properly at the end of its life cycle.

Do not dispose of the device in regular household waste. Contact your local recycling centre for information on how to properly dispose of the device.

Product Name: Mini Expansion Vessel Shock

Arrestor Type: Expansion Vessel

Capacity: 0.16 litres

Vessel pre-charge: Nitrogen - 3 to 3.5 bar

Max. Operating Pressure: 10 bar

Connection: BSP Size: 1/2" Parallel

Dimensions: H 110 x 78 mm diameter

Potable: Yes

Certification: Approved by WRAS

Maintenance:

The Mini Expansion Vessel Shock Arrestor **SA1/2** requires little maintenance, but the pre-charge pressure should be checked periodically and adjusted if necessary. The vessel should also be inspected for leaks and damage, and replaced if necessary.

**TFC GROUP**

Cert No: RS 30178
QR057

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

Tel: 01732 351680 Fax: 01732 354445 www.tfc-group.co.uk

Prepared for TFC Group By: M. Edmonston

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