

141 dosing pot

Introduction

The Altecnic range of dosing pots are designed to insert liquid chemicals into closed heating or chilled water systems.

The chemicals are usually corrosion inhibitor or anti freeze solutions.

For concentration levels of chemicals always consult the manufacturer's recommendations.

The required size of the dosing pot will already have been determined prior to assembly and installation.

The dosing pot is supplied as a kit of components which need to be assembled as shown opposite.

Use PTFE tape or a thread sealant compound when assembling the joints.

Components

The kit consists of;

Item	Component
1	Fabricated vessel with welded construction
2	Tundish
3	2 - wall brackets integral with vessel
4	4 - 1" BSP isolating valves
5	2 - 1" BSP tee pieces
6	4 - 1" BSP pipe nipples
7	$\frac{3}{8}$ " BSP air relief ball valve
	• All pipe connections 1" BSP.

Installation

The dosing pot assembly should be securely fixed to a wall or rigid structure using the 2 integral brackets as part of the vessel.

The vessel should be connected to the system using ball valves 4B and 4C.

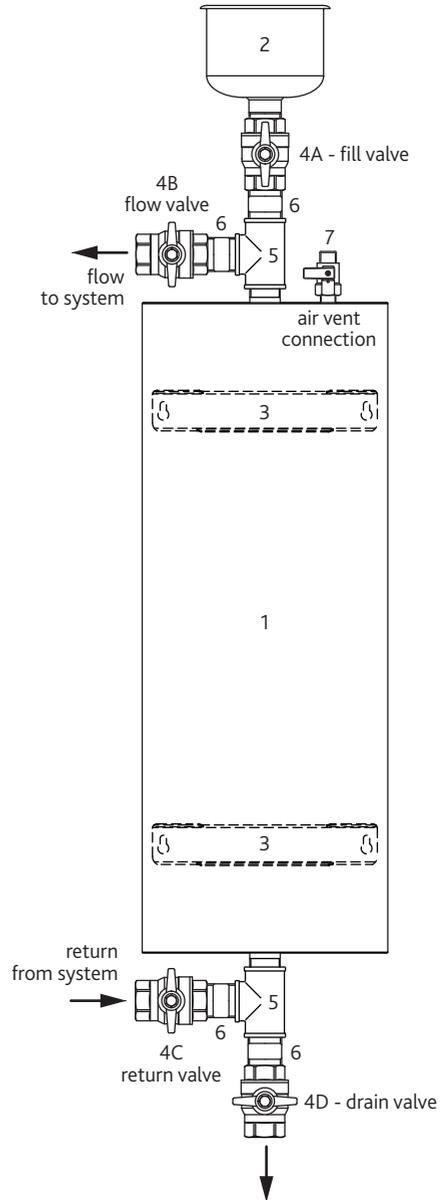
The vessel should be drained through ball valve 4D via a tundish to a suitable drain.

Personal protective clothing and equipment should be worn when adding chemicals and to prevent burns or scalds if the system is hot.

Dimensions

To check the assembled dosing pot dimensions please refer to the leaflet or Altecnic.

Components Assembled



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Filling Procedure

All valves should be opened and closed in the correct sequence:

- 1 Isolate the vessel by closing all valves.
- 2 Drain the vessel by opening valve 4A and 4D.
- 3 Close valve 4D before introducing chemicals via the tundish and valve 4A.
- 4 Expel any air trapped in the vessel by opening manual air vent valve 7 until the solution appears, close valve immediately.
- 5 Isolate the vessel by closing all valves and the air vent 7.
- 6 Add the chemicals to the system by opening valve 4B and 4C and allowing to circuit.
- 7 Repeat the procedure if necessary until the correct concentration of chemicals to system water volume as been achieved.
- 8 Close valves 4B and 4C to isolate the dosing pot from the system.

Technical Specification

Maximum working pressure: 10 bar

Maximum operating temperature: 90°C

Size range: 3.5 to 50 litres

Complies with the Pressure Equipment Directive (PED) 2014/68/EU.

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The logo for Altecnic, featuring the word "altecnic" in a lowercase, bold, sans-serif font. The letter 'a' is stylized with a white dot in the center.