Flamco

KE KELIT®
CLIMATE CONTROL SYSTEMS

Dosing Pot

Mild Steel

ENG Operation & Maintenance Manual

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Customer details

Please fill in this information for future reference:

Company _____

Address _____

_____

Zipcode _____

Contact Tel. _____

Contact Email _____

Equipment details

Details of model and serial number may be found on the label.

Model _____

Serial no _____

Purchase date _____

Purchase from _____

Table of Contents

About this manual

This Operation and Maintenance Manual contains all the necessary information to install, commission, operate and maintain Dosing Pots.

It is recommended to read all parts of this manual before undertaking any work on the equipment.

CONVENTIONS USED IN THIS MANUAL

This manual makes use of symbols to identify key pieces of information.
Please take note of the following symbols and their meaning:

DANGER
Important safety related information intended to prevent injury and/or damage to the equipment, system or property.

CAUTION
Important information intended to prevent damage to the equipment, system or property.

IMPORTANT
Important information intended to ensure that the equipment functions correctly.

USEFUL
Useful information which may be helpful, but is not necessarily required for the unit to function correctly.

Equipment Overview

The function of a Dosing Pot is to allow the addition of chemical water treatments into a sealed heating or cooling system. Using a Mild steel Dosing Pot is generally a guarantee of chemical compatibility with most standard installations.

Installation

The units should be wall mounted via the integral brackets at a height such that it is convenient and safe to pour chemicals into the tundish.

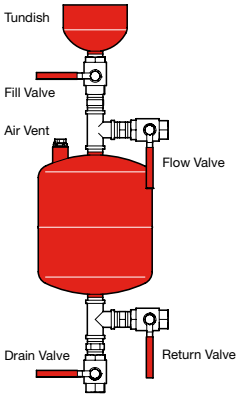
Consideration should also be given to the safe installation of the drain connection from the Dosing Pot.

The drain valve should be piped to a permanent, safe and appropriate drain. Alternatively there should be sufficient space beneath the drain valve to place a suitable vessel capable of taking the volume of liquid in the Dosing Pot. Any liquid drained from the pot should be disposed of safely.

Connections should be made to the system so that there is sufficient pressure differential across the Dosing Pot to ensure that there is adequate flow throughout the unit.

GUIDE:

- Support using the 2 keyways provided in the bracket
- Ensure sufficient space for filling and draining
- Connect to the systems at a point of high pressure difference (e.g. across flow and return)
- Top systems connection to return (C); Bottom system connection to flow (D)



Operation

The function of a Dosing Pot is to allow a sealed heating or cooling systems to be treated with chemical additives. The Mild steel construction is uncoated internally for chemical compatibility with standard installations.

CHEMICALS:

Prepare the chemicals to be dosed.

Remember to check the safety Information sheet before use of any chemicals.

TO DRAIN:
1. Ensure water in the Dosing Pot is not dangerously hot
2. Close all valves
3. Open drain valve E and allow air to enter the Dosage pot by opening valve A. Ensure the unit drains completely.

TO FILL:
1. Close valve E, leaving the valve A open.
2. Slowly pour the chemicals into the Dosage Pot via the Tundish.
3. When liquid appears open air vent B.
4. Close air vent B
5. Close valve A

CHEMICAL INJECTION:

Make sure the manual airvent is closed when the Dosing Pot is live to the system. Never open the airvent when the Dosing Pot is live to the system

1. Open valves C and D to allow system water to flow through the Dosing Pot and circulate chemical into the system. Allow 10 minutes of circulation for complete mixing.
2. The procedure should be repeated until the desired level of chemical is in the system.
3. After use the Dosing Pot can be left live to the system, or isolated whilst full.

MAINTENANCE:
After long term use the valves may require replacement.

The Dosing Pot should be checked annually to check for corrosion wear. 1mm corrosion allowance is provided for in the design. If corrosion is found to be greater than 1mm then the Dosing Pot will require replacement.

Remember to check unit after use.

Remember to follow the steps as per operation.

Dimensions

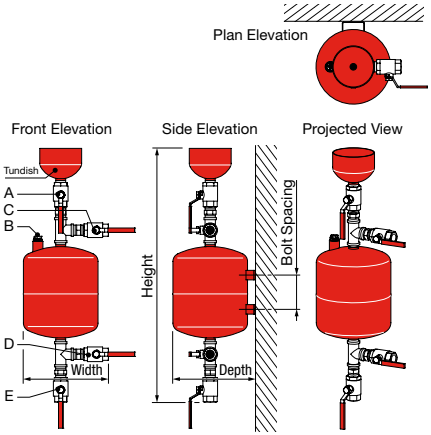


Image for indication only

Mild Steel Dosing Pots for Heating / Chilled system range						
Type	**Height (H) (mm)**	**Width (W) (mm)**	**Depth (D) (mm)**	**Bolt Spacing (mm)**	**System Connection**	**Maximum Working Pressure**
3,5 ltr	565	225	220	40	¾" BSP (F)	16 Bar
6,0 ltr	670	225	220	90	¾" BSP (F)	16 Bar
11 ltr	935	215	200	279	¾" BSP (F)	16 Bar
15 ltr	1120	215	200	455	¾" BSP (F)	16 Bar
18 ltr	1250	215	200	587	¾"BSP (F)	16 Bar
25 ltr	925	270	295	224	¾" BSP (F)	16 Bar
35 ltr	1110	270	295	405	¾" BSP (F)	16 Bar

Parts list

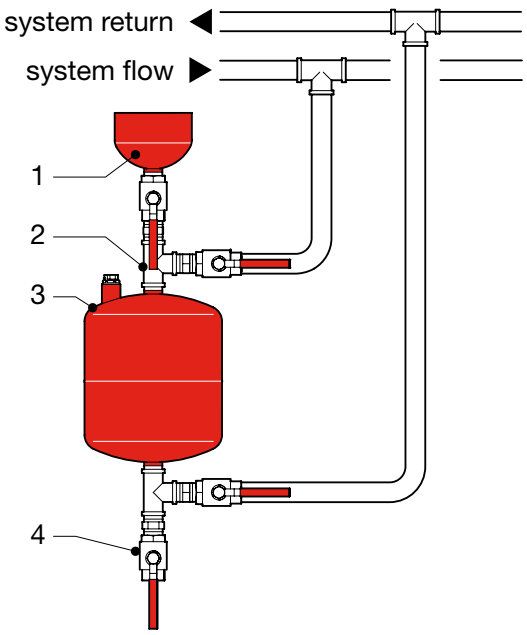


**Image for indication only*

		Mild Steel option
#	Description	Material
1	Tundish	Mild Steel
2	T-piece	Galvanised Steel
3	Main Body	Mild Steel
4	Manual Ball Valve	Chrome plated brass

Notes

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CLIMATE CONTROL SYSTEMS

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