



**SS**  
**CHEMICAL**  
**DOSING POT**



Size in Litres	Product Code	A	B	C	D	Max working pressure	Tested to
3.5	DP 3.5	265	295	740	165	14 bar	21 bar
5	DP 5	265	375	815	165	14 bar	21 bar
6	DP 6	265	430	865	165	14 bar	21 bar
10	DP 10	220	435	865	220	10 bar	21 bar
11	DP 11	220	435	865	220	10 bar	21 bar
13.5	DP 13.5	220	510	950	220	10 bar	21 bar
15	DP 15	220	575	1010	220	10 bar	21 bar
16	DP 16	220	575	1010	220	10 bar	21 bar
18	DP 18	220	705	1142	220	10 bar	21 bar
20	DP 20	220	705	1142	220	10 bar	21 bar
25	DP 25	275	620	1045	275	8 bar	21 bar

## Introduction

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Dosing pots are required in order to feed liquid chemicals such as corrosion inhibitors into closed systems.

The dosing pots consist of a stainless steel vessel with inlet (return) and outlet (flow) valves, a drain valve and a filling valve.

A stainless steel tundish, air release valve, wall mounting brackets and a non-return valve.

## Installation

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It is important that the dosing pots are fitted correctly in to the system to allow rapid chemical feed. This is best achieved by connecting across the main flow and return pipe work. Ideally the flow connection should be made on to the bottom of the dosing pot (valve C), and the return the top (valve B).

The dosing pot is designed for the conditions stated on the name plate, the system into which the dosing pot is installed should have adequate protection to ensure the dosing pot is operated within these limits at all times.

## Operation

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- Isolate pot: close all valves
- Drain pot: open valves A and D
- Charge pot: close valve D and introduce solution via valve A (tundish)
- Expel air: open air vent until solution appears
- Inject treatment: close valve A fully and open valves B and C.
- The dosing pot may reach temperatures up to 120 degrees centigrade.
- Protection or warnings should be applied to ensure that personnel do not come into contact with the pot so as to avoid burns.
- A check valve is installed to prevent accidental scolding and chemical saturation (blow back) of personnel operating the dosing pot.

## Maintenance

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After long-term use the valves may require replacement. No corrosion is allowed for due to the stainless steel construction.

## CDM (ACOP L54) Q.P NO. 41/1-02

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Specification

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- Stainless Steel Shell
- Valve size 25mm BSP female for all dosing pots
- Welded to BS EN 287
- All dosing pots that are designed to PD 5500:2009 category 3 (C E marked) have the following Max. Working pressures:
  - 14 bar-3.5 litres to 6 litres inclusive
  - 10 bar- 10 litre to 20 litres inclusive
  - 8 bar-25 litres
- Dosing pots that are not designed to the above are available which have maximum working pressure of 14 bar throughout the range (3.5 litre to 25 litre).
- Matt Stainless Steel finish

## Heating (and) or Cooling System Dosing Pot



Notes to building owners and operators

- The heating (or cooling) system in this building has a chemical dosing pot installed.
- This appliance is by way of manually injecting chemicals into the system.
- Post hand over risks.
- Ensuring the drain valve is closed prior to filling with chemicals.
- Records of commissioning.
- Operation and Maintenance Hazards are attached.
- Planned Maintenance
- Turn handles on valves once a year
- Visually inspect for corrosion
- Operation and Maintenance labour resources.
- Only use suitably qualified persons who have read the operating and maintenance instructions.
- Mothballing the plant and start-up afterwards.
- Drain the dosing pot, open the drain valve and close all other valves.
- Start up, flush with clean water.
- Hazardous information
- The awareness of the chemicals used in dosing the appliance

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## Connecting the Dosing Pot to the System

