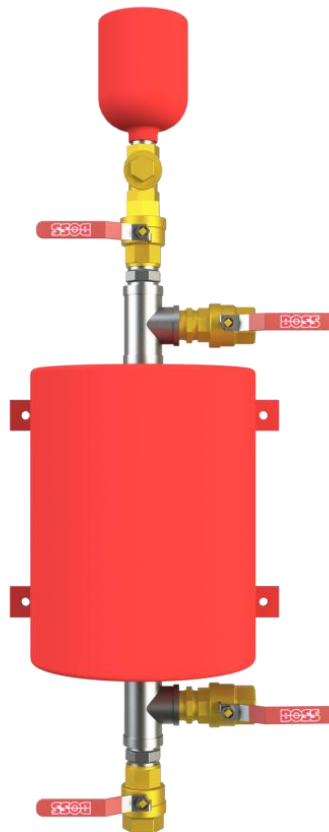




# Mild Steel Dosing Pots

## Data Sheet



## Features

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### Introduction

Most heating and chilled water systems require chemical dosing and the BOSS™ range of Dosing Pots provides a controlled method of achieving this. This range of BOSS™ Dosing Pots are of a mild steel construction and are supplied fully assembled and tested for easy installation. The unit comes complete with tundish, vessel, air vent, non-return valve, inlet, outlet and drain valves.

Available as 3.5, 6, 11, 18, 25 and 35 Litre units.

### Features & Benefits

- Cost effective dosing
- Easy installation and maintenance
- Supplied fully assembled and tested
- Simple operation
- Non return valve to prevent backflow
- Increases energy efficiency
- Lowers maintenance costs and time spent when servicing major system components
- Extends the life of the system

### Materials of Construction

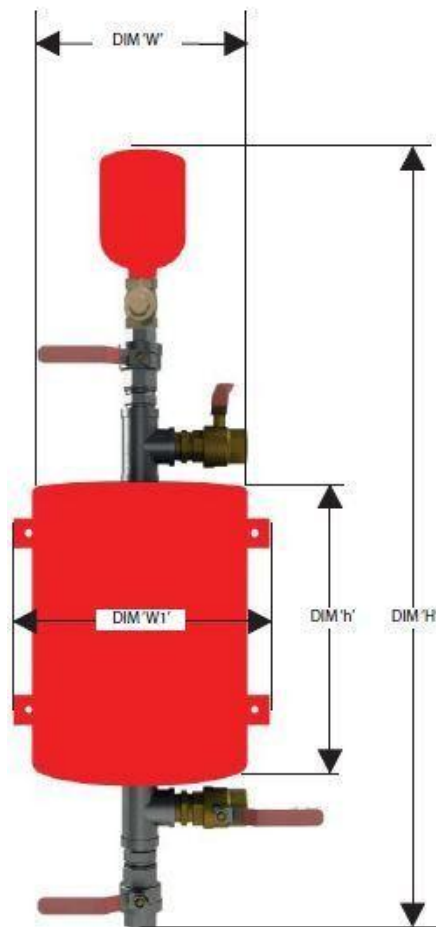
|                       |                           |
|-----------------------|---------------------------|
| Cylinder              | Mild Steel ASTM A234WPB   |
| Tube section          | Mild Steel ASTM A234WPB   |
| End plates            | Mild Steel ASTM A36       |
| Tundish               | Mild Steel ASTM A36       |
| Fittings              | Galvanised malleable iron |
| T Piece               | Galvanised malleable iron |
| Valve body            | DZR Brass CW602N          |
| Non return valve body | Bronze BS EN1982 CC491K   |

### Certifications & Standards

|  |
|--|
| PED 97/23/EC Article 3 Paragraph 3 SEP |
| Welding BS EN281-1                     |
| Fittings to BS21 / ISO7-1              |

### Operating Conditions

|                 |       |
|-----------------|-------|
| Max Temperature | 120°C |
| Min Temperature | -10°C |



### Dimensions:

| Size | Product Code | 'H' (mm) | h (mm) | W (mm) | W1 (mm) | Weight (kg) | Max Pressure (bar) | Test Pressure (bar) | Connections |
|------|--------------|----------|--------|--------|---------|-------------|--------------------|---------------------|-------------|
| 3.5L | 52209992     | 770      | 186    | 168    | 315     | 13          | 10                 | 15                  | 1" Female   |
| 6L   | 52210006     | 770      | 250    | 220    | 315     | 17          | 10                 | 15                  | 1" Female   |
| 11L  | 52210017     | 885      | 365    | 220    | 315     | 21          | 10                 | 15                  | 1" Female   |
| 18L  | 52210028     | 1150     | 590    | 220    | 315     | 29          | 10                 | 15                  | 1" Female   |
| 25L  | 52210039     | 1300     | 500    | 273    | 375     | 35          | 8                  | 12                  | 1" Female   |
| 35L  | 52210061     | 1100     | 430    | 325    | 425     | 45          | 5                  | 8                   | 1" Female   |

### Applications:

Suitable for use in any system requiring chemical dosing (within pressure and temperature restrictions).

## Sizing

The size of dosing pot installed in a system is not critical as multiple doses of chemicals can be put in to the system to reach the correct concentration.

The benefits of using a smaller unit, is that it is easier to physically handle and also allows for more accurate dosing. However, the time on site for performing multiple doses has to be considered. This factor should influence your decision when selecting dosing pots.

Chilled water systems generally require higher concentrations of dosing chemical, usually glycol, to be dosed into the system. A larger dosing pot may be required for chilled water systems.

The formula below can be used as a guide when using BOSS X-PO10 Inhibitor at 0.36% dilution to help you in your selection:

Boiler Power (kW) x 12 Litres/kW x 0.36% =  
Volume of chemical required.

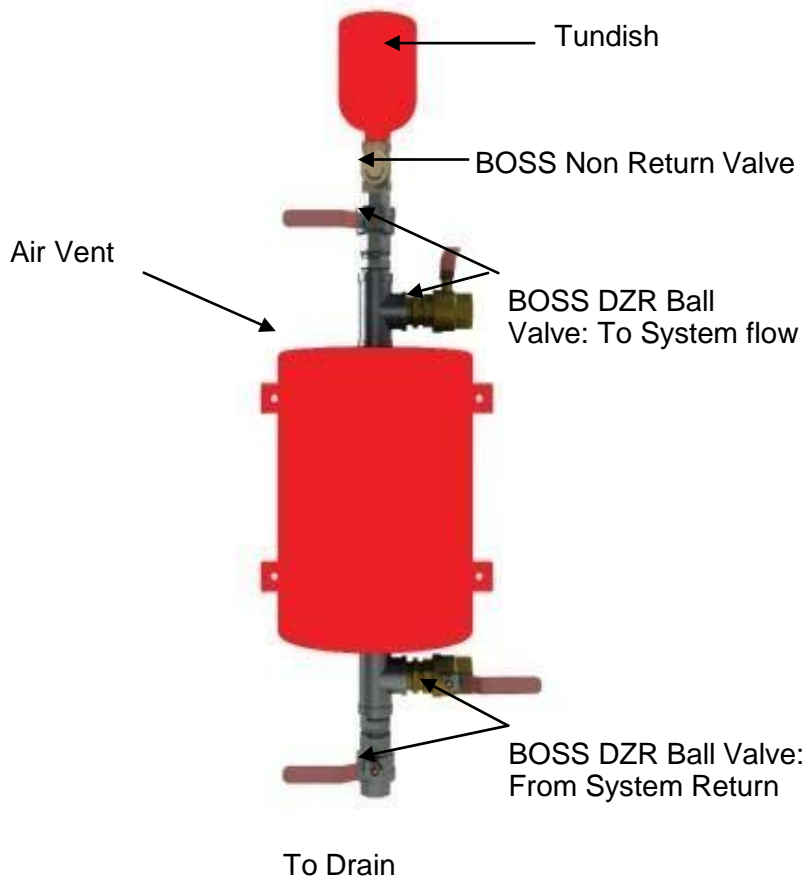
For example:

Boiler Power 250kW x 12 Litres x 0.0036% = 11  
litres of chemical.

You could use any of the following dosing pots for this installation:

- 3 litre                      dose 4 times
- 6 litre                      dose 2 times
- 11 litre                     dose 1 time

\*Confirm the required concentration level for the chemical being used before calculating your dosage amount.



The benefits of using a smaller unit, is that it is easier to physically handle and also allows for more accurate dosing.

## Installation & Placement:

To ensure a fast, but safe dispersal of the chemical dose, it is important that the unit is installed correctly. Install the unit between the flow and return pipework at the point with the highest differential pressure. Ensure the unit is securely fixed to a wall using the integral wall mounting brackets.

Refer also to BOSS Mild Steel Dosing Pots Operating and Maintenance Instructions.

## BOSS Water Treatment Products

BOSS™ X-PO10 Commercial Inhibitor is available in 3 different sizes - 5L, 10L and 25L drums.

- 5L will dose a system volume of 1,400 Litres
- 10L will dose a system volume of 2,800 Litres
- 25L will dose a system volume of 7,000 Litres

BOSS™ X-PO10 Test Kits enable simple and effective on-site testing to check the minimum amount of X-PO10 is present in the system water, and return results within minutes.

## BOSS™ X-PO10 Product Codes

|       |          |
|-------|----------|
| 5L    | 16910563 |
| 10L   | 16910574 |
| 20L   | 16910840 |
| 1000L | 16910316 |

