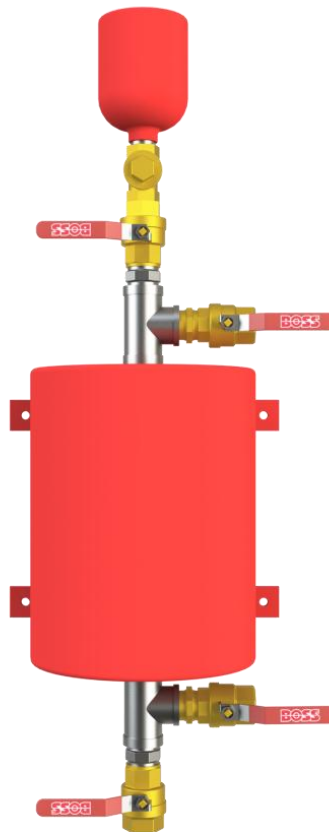




Mild Steel Dosing Pots

Data Sheet



Features

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

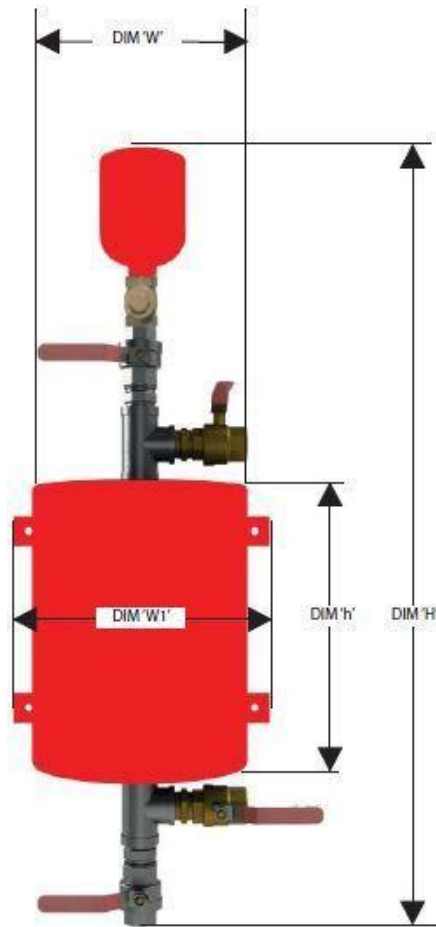
Cylinder	Mild Steel ASTM A234WPB
Tube section	Mild Steel ASTM A234WPB
End plates	Mild Steel ASTM A36
Tundish	Mild Steel ASTM A36
Fittings	Galvanised malleable iron
T Piece	Galvanised malleable iron
Valve body	DZR Brass CW602N
Non return valve body	Bronze BS EN1982 CC491K

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	52210050	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.

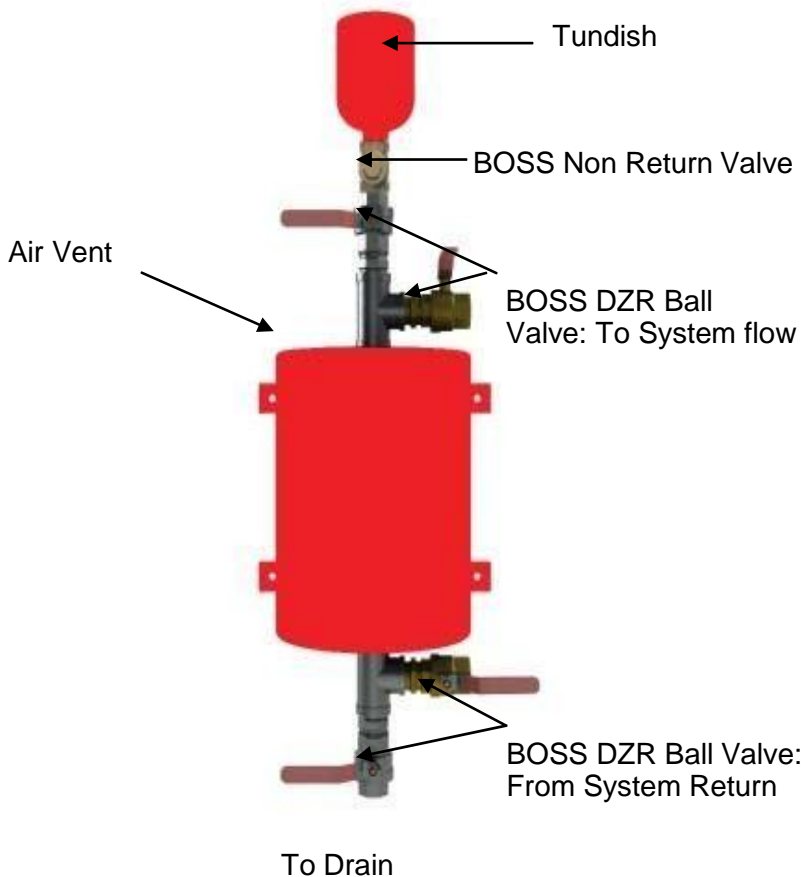
For example:

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

