



Mild Steel Dosing Pots

Operating & Maintenance
Instructions



Sizing • Installation • Operation • Maintenance

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.

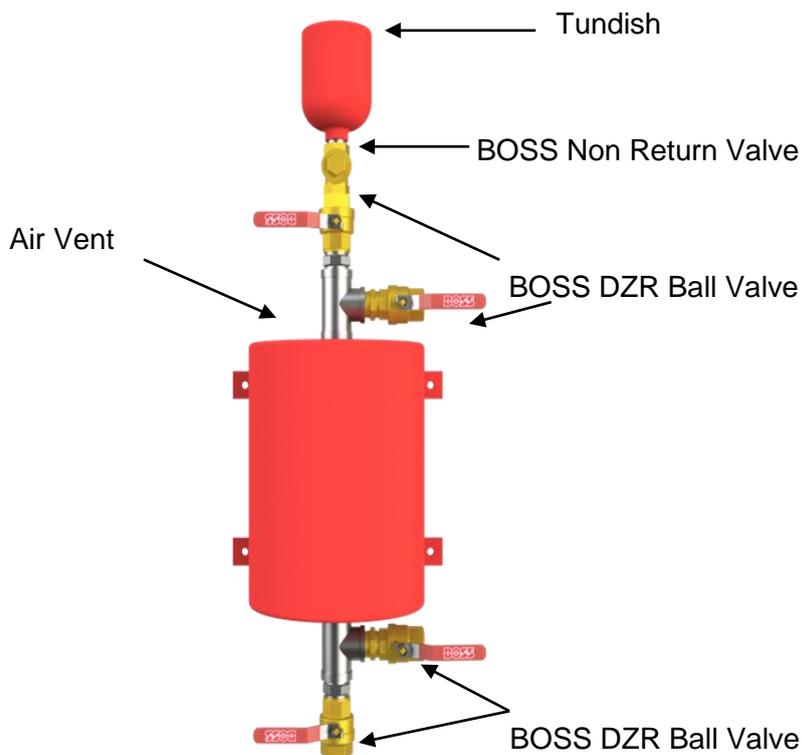
For example:

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.



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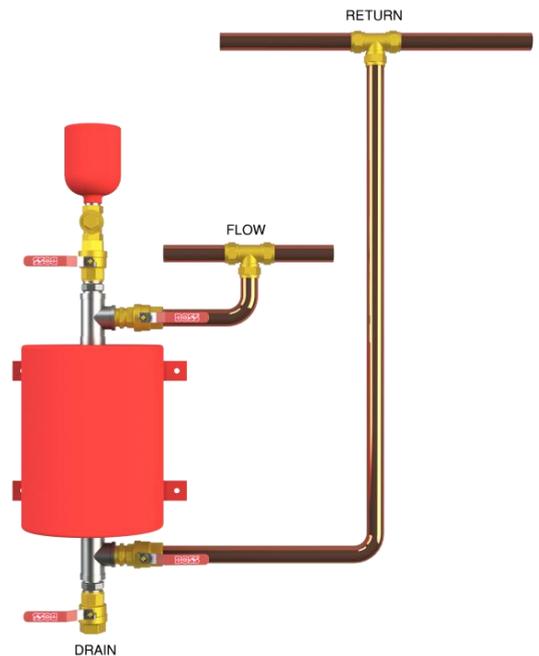
Installation

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.

Make certain that there is suitable space beneath the unit for collection of any discharged fluid.



OPERATION

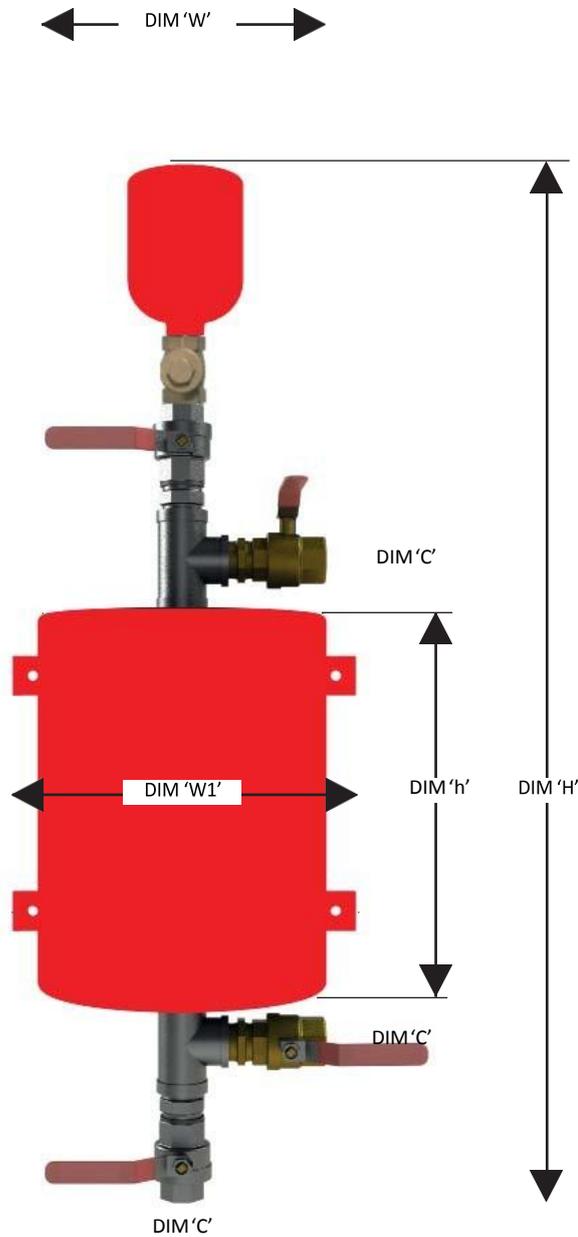
For correct operation of the unit follow the instructions below. Where multiple dosing is required, repeat the steps as necessary until correct system concentration is achieved.

- | | |
|--------------------|---|
| • ISOLATE THE UNIT | Close all valves. |
| • DRAIN THE UNIT | Open the drain valve first, followed by the fill valve. |
| • FILL THE UNIT | Close the drain valve and pour dosing chemical into the unit through the tundish. |
| • VENT THE UNIT | Open the air vent until air has been purged out. Close all opened valves. |
| • BEGIN DOSING | Fully open the inlet and outlet valves slowly. |
| • COMPLETE DOSING | Close all valves when dosing has completed. Repeat the above steps if necessary. |

MAINTENANCE

After long term use the valve may require replacement. The dosing pot should be checked annually 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 need changing.

Dimensions



SIZE	DIM 'H'	DIM 'h'	DIM 'W'	DIM 'W1'	DIM 'C'	Material
3.5	770mm	186mm	168mm	315mm	1"	Mild Steel
6L	770mm	250mm	220mm	315mm	1"	Mild Steel
11L	885mm	365mm	220mm	315mm	1"	Mild Steel
18L	1150mm	590mm	220mm	315mm	1"	Mild Steel
25L	1300mm	500mm	273mm	375mm	1"	Mild Steel
35L	1100mm	430mm	325mm	425mm	1"	Mild Steel