Arrow Valves Ltd

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Installation Instructions/ Operating & Maintenance Manual Dosing Pot – Model DP

INFORMATION PROVIDED
Data Sheet – Dosing Pot

FOREWORD
Dosing pots are used for liquid chemicals – such as corrosion inhibitors or antifreeze solutions - to sealed heating or cooling circuits.

All pots comply with PD 5500:2000 Category 3 (CE marked) and welded to BS EN287.

INSTALLATION NOTES
1. The unit is usually wall mounted at an accessible height although a wall stand is available.
2. It is very important the dosing pot is correctly installed to allow rapid chemical feed into the system.
3. Ideally the primary flow connection should be at the bottom of the pot and the primary return connection should be at the top of the pot.
4. A check valve is incorporated to prevent accidental scolding to the operator and chemical saturation (blow back) is prevented.
5. Appropriate warnings should be installed to avoid burning to operators who come into contact with the pot.

OPERATION NOTES
1. Close valve ‘PR’ (the primary return valve) and ‘PF’ (the primary flow valve).
2. Open ‘DT’ (the Dosing tap),’V’ (the non return valve) and ‘F’ (the valve connecting to the funnel) to allow the pot to drain.
3. Close ‘DT’ and add the inhibitor solution via the funnel.
4. Close ‘F’ and also close ‘V’ when the solution appears. This means all the air inside the pot has been removed.
5. Open ‘PR’ and ‘PF’ until all the solution has been flushed out – ‘PR’ will become hot. This flushing process should be timed so this procedure can be repeated if required.
6. The operation should be repeated from stage 1 until required solution has been added.
7. When complete ‘PR’ and ‘PF’ should be closed when not in use.

MAINTENANCE
1. Valves may need replacing after a long term use.
2. Regular inspections should be carried out to check for wear and erosion. A 1mm provision is acceptable but anything greater than this; the dosing pot should be taken out of use.

WARNINGS
The dosing pot may become very hot, so gloves and goggles should be worn when operating or handling the dosing pot and chemicals.

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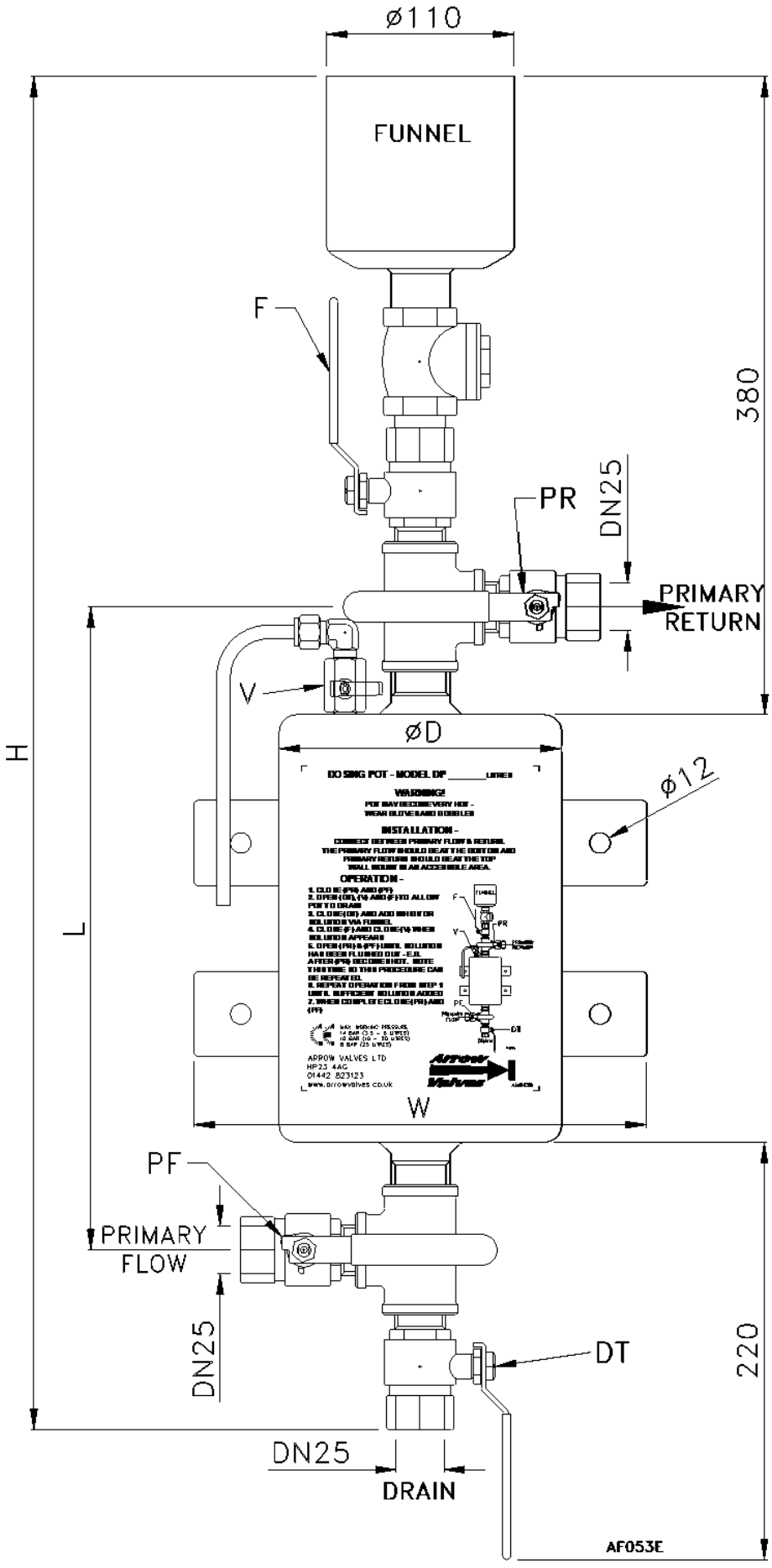

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