

# Dosing Pot

## Model DP - (For Dosing Sealed Systems) - Datasheet

### Description

Range of Dosing Pots for adding liquid chemicals – such as corrosion inhibitors and anti freeze solutions - to sealed heating and chilled circuits. The Pot should be connected between the main flow and return pipes, with the flow in at the bottom (PF) to aid venting.

All Dosing Pots are supplied with five full-bore spherical servicing valves, safety check valve, funnel and mounting brackets. The safety check valve is designed to prevent blow-back up the funnel thereby protecting the operative.

The unit is normally wall mounted at a convenient height. A wall stand is available. The connections are reversible for left or right handed or inline installations.

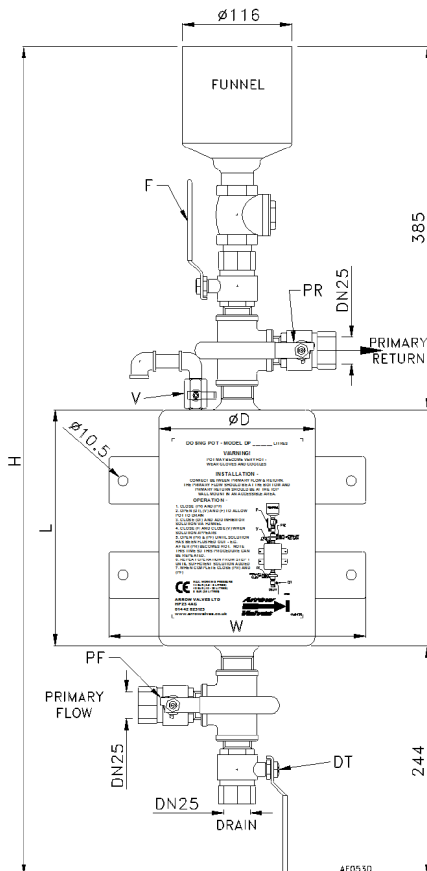
### Connection Pipes

Flow & Return DN25 Female BSPP  
 Reducing bushes supplied to DN20 & DN15  
 Drain DN25 Female BSPP

### Specification

Pressure Supply 14 bar max. 3.5 – 6 litres inc.  
 10 bar max. 10 – 20 litres inc.  
 8 bar max. 25 litres inc.  
 Max. working temp. 120° C

Approvals PD5500:2000 category 3  
 (CE marked)  
 Welded to BS EN287



### Dimensions

| SIZE      | ØD         | W          | L          | H          |
|-----------|------------|------------|------------|------------|
| 3.5       | 165        | 265        | 175        | 804        |
| <b>5</b>  | <b>165</b> | <b>265</b> | <b>250</b> | <b>879</b> |
| 6         | 165        | 265        | 305        | 934        |
| <b>10</b> | <b>220</b> | <b>315</b> | <b>285</b> | <b>914</b> |
| 11        | 220        | 315        | 310        | 939        |
| 13.5      | 220        | 315        | 385        | 1014       |

| SIZE      | ØD         | W          | L          | H           |
|-----------|------------|------------|------------|-------------|
| 15        | 220        | 315        | 435        | 1064        |
| 16        | 220        | 315        | 460        | 1089        |
| 18        | 220        | 315        | 535        | 1164        |
| <b>20</b> | <b>220</b> | <b>315</b> | <b>580</b> | <b>1209</b> |
| 25        | 275        | 375        | 485        | 1114        |



Model DP5 -  
 Note the safety  
 anti blow back  
 valve designed to  
 prevent operative  
 scalding

### Materials

Pot, Funnel, Brackets, Pipes Mild steel  
 Valves Brass with PTFE seats  
 Finish Powder coated red

### Applications

Sealed heating circuits  
 Chilled water circuits

### Sizing

The dosing pot size is not critical since this only determines the number of shots required. This can be calculated -

Pot size = Boiler kW x litres/kW x concentration ÷ no. shots.  
 Litres/kW typically 10 – 14. Inhibitor concentration typically 1-4%. Assume 5 shots acceptable. E.g. -  
 800 kW x 12 lt/kW x 0.01 ÷ 5 = 19.2 litres (use 20 litre pot)  
 This criteria is used for boiler kW typical in table below -

### Codes and Descriptions

| Size      | Code        | Description                                  | kW typ.    |
|-----------|-------------|--|------------|
| 3.5       | DP3.5       | Dosing Pot c/w Valves Red - 3.5 Litres       |            |
| <b>5</b>  | <b>DP5</b>  | <b>Dosing Pot c/w Valves Red - 5 Litres</b>  | <b>200</b> |
| 6         | DP6         | Dosing Pot c/w Valves Red - 6 Litres         |            |
| <b>10</b> | <b>DP10</b> | <b>Dosing Pot c/w Valves Red - 10 Litres</b> | <b>400</b> |
| 11        | DP11        | Dosing Pot c/w Valves Red - 11 Litres        |            |
| 13.5      | DP13.5      | Dosing Pot c/w Valves Red - 13.5 Litres      |            |
| 15        | DP15        | Dosing Pot c/w Valves Red - 15 Litres        |            |
| 16        | DP16        | Dosing Pot c/w Valves Red - 16 Litres        |            |
| 18        | DP18        | Dosing Pot c/w Valves Red - 18 Litres        |            |
| <b>20</b> | <b>DP20</b> | <b>Dosing Pot c/w Valves Red - 20 Litres</b> | <b>800</b> |
| 25        | DP25        | Dosing Pot c/w Valves Red - 25 Litres        |            |

Popular sizes – normally ex stock - in bold text

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All unit-less dimensions in mm.  
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