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.

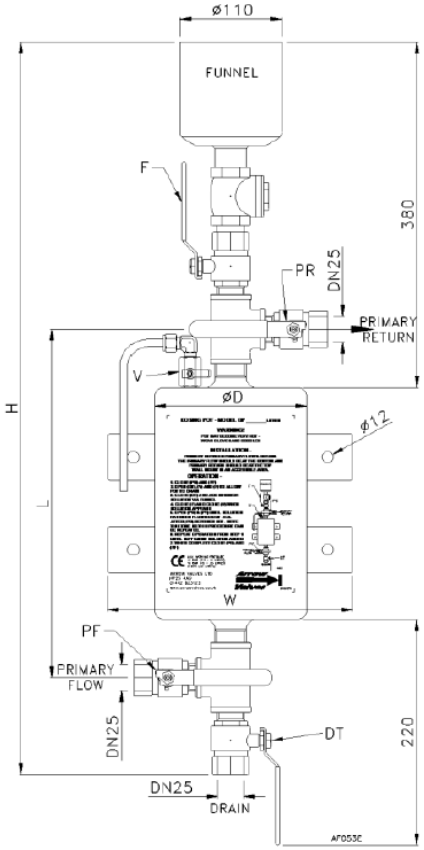
Connection Pipes

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^{O} C

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



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

5 YEAR WARRANTY

Materials

Pot, Funnel, Brackets, Pipes	Stainless steel
Valves	Stainless with PTFE seats

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 - 3.5 Litres	
5	**DP5**	**Dosing Pot c/w Valves - 5 Litres**	**200**
6	DP6	Dosing Pot c/w Valves - 6 Litres	
10	**DP10**	**Dosing Pot c/w Valves - 10 Litres**	**400**
11	DP11	Dosing Pot c/w Valves - 11 Litres	
13.5	DP13.5	Dosing Pot c/w Valves - 13.5 Litres	
15	DP15	Dosing Pot c/w Valves - 15 Litres	
16	DP16	Dosing Pot c/w Valves - 16 Litres	
18	DP18	Dosing Pot c/w Valves - 18 Litres	
20	**DP20**	**Dosing Pot c/w Valves - 20 Litres**	**800**
25	DP25	Dosing Pot c/w Valves - 25 Litres	
30	DP30	Dosing Pot c/w Valves – 30 Litres	

Popular sizes – normally ex stock - in bold text

Dimensions

SIZE	ØD	W	L	H
3.5	165	265	275	730
5	**165**	**265**	**355**	**810**
6	165	265	395	860
10	**220**	**320**	**395**	**865**
11	220	320	395	865
13.5	220	320	490	920

SIZE	ØD	W	L	H
15	220	320	570	1022
16	220	320	570	1022
18	220	320	685	1142
20	**220**	**320**	**685**	**1142**
25	275	377	585	1040
30	275	375	700	1155

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All unit-less dimensions in mm.
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