PREMIER PLASTICS - FLOUT DOSING GUIDELINE

QUICK REFERENCE GUIDE TO PREDICT ORIFICE SQUIRT HEIGHT

3" Dia. Flout
Length of transport pipe: 30'

ORIFICE DIA.	NUMBER OF ORIFICES IN SEPTIC FIELD					
1/8"	45	89	135	178	225	270
5/32"	29	58	87	115	145	174
3/16"	**20**	**40**	**60**	**80**	**100**	**120**
7/32"	15	29	44	58	73	87
1/4"	11	24	38	45	56	67
TRANSPORT PIPE OPTIONS	**SQUIRT HEIGHT AS PERCENTAGE OF TOTAL AVAILABLE STATIC HEAD**					
2"	57.7%	48.5%	37.8%	27.2%	18.7%	13.6%
3"/2"	58.6%	35.7%	31.5%	24.5%	17.7%	13.3%
3"/2" Vented	61.2%	48.5%	37.5%	28.3%	20.9%	13.6%
4"/2"	61.3%	38.5%	23.6%	17.2%	12.6%	10.9%
4"/2" Vented	62.2%	48.3%	36.2%	27.2%	19.8%	13.6%
3"	63.2%	33.9%	15.1%	17.5%	13.0%	9.6%
3" Vented	N/A	50.0%	36.2%	29.1%	21.4%	16.4%

NOTES:

1: Read in conjunction with supporting technical data. Note minimal variance between pipe sizes when pipe is fully flooded (vented).

2: Figures derived from experimental data. Nominal accuracy ± 15%

3: To account for longer transport pipe deduct from the total static head the resistance of pipe length in excess of 30 ft. Refer to system design/performance calculation.

4: Refer to Piping Schematic for suggested venting of transport pipe.

5: Lower section of transport pipe (if smaller diameter) - 35% of vertical head.

6: Use double Flout to increase squirt height. E g. a 120 orifice field will perform as 2-60 orifice fields.

7: If squirt height is below the minimum desired - use 4" dia. transport pipe (or smaller to gain flow rate from induced flow), standard distribution box, and 3" or 4" diameter laterals for gravity flood dosing.

8: The values shown are approximate only and not a substitute for evaluation performed by a registered professional.

9: We request that you provide Premier Plastics with feedback from actual field performance.

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