

A.1. Pressure Distribution Lateral Pipe System Tables

A.1.A. Number of Orifices per *Distribution Lateral Pipe*

A.1.A. Number of Orifices in a <i>Distribution Lateral Pipe</i>											
Squirt Height, ft.	Orifice Diameter	1/8" (3.2mm)					5/32" (4mm)				
	NPS Pipe Size of Distribution Lateral Pipe	3/4"	1"	1-1/4"	1-1/2"	2"	3/4"	1"	1-1/4"	1-1/2"	2"
	Distribution Lateral Length, ft.	19mm	25mm	32mm	38mm	51mm	19mm	25mm	32mm	38mm	51mm
		Maximum Orifices Permitted					Maximum Orifices Permitted				
2 to 4	10	-	-	-	-	-	-	-	-	-	-
	15	-	-	-	-	-	-	-	-	-	-
	20	-	-	-	-	-	-	-	-	-	-
	25	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-
	35	-	-	-	-	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	-	-	-
	50	-	-	-	-	-	-	-	-	-	-
	55	-	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	
5 to 9	10	20	20	20	20	20	20	20	20	20	20
	15	26	30	30	30	30	17	30	30	30	30
	20	22	40	40	40	40	14	27	40	40	40
	25	20	37	50	50	50	13	24	48	50	50
	30	18	33	60	60	60	11	21	44	60	60
	35	16	31	70	70	70	11	20	40	60	70
	40	15	29	58	80	80	10	18	37	56	80
	45	14	27	55	82	90	9	17	35	53	90
	50	14	25	52	78	100	-	16	33	50	96
	55	13	24	49	74	110	-	15	32	47	91
	60	12	23	47	70	120	-	15	30	45	87
65	12	22	45	67	130	-	14	29	43	83	
10 to 15	10	20	20	20	20	20	20	20	20	20	20
	15	26	30	30	30	30	17	30	30	30	30
	20	23	40	40	40	40	15	27	40	40	40
	25	20	38	50	50	50	13	24	50	50	50
	30	18	34	60	60	60	12	22	45	60	60
	35	17	32	65	70	70	11	20	41	62	70
	40	16	29	60	80	80	10	19	39	58	80
	45	15	28	56	85	90	10	18	36	54	90
	50	14	26	53	80	100	-	17	34	51	99
	55	13	25	51	76	110	-	16	33	49	94
	60	13	24	48	72	120	-	15	31	46	89
65	-	23	46	69	130	-	15	30	44	86	

(continued)

Table A.1A Continued

A.1.A. Number of Orifices in a <i>Distribution Lateral Pipe</i>											
Squirt Height, ft.	Orifice Diameter	3/16" (4.8mm)					7/32" (5.6mm)				
	NPS Pipe Size of Distribution Lateral Pipe	3/4" 19mm	1" 25mm	1-1/4" 32mm	1-1/2" 38mm	2" 51mm	3/4" 19mm	1" 25mm	1-1/4" 32mm	1-1/2" 38mm	2" 51mm
	Distribution Lateral Length, ft.	Maximum Orifices Permitted					Maximum Orifices Permitted				
2 to 4	10	-	-	-	-	-	10	19	20	20	20
	15	-	-	-	-	-	8	15	30	30	30
	20	-	-	-	-	-	7	13	27	40	40
	25	-	-	-	-	-	6	12	24	36	50
	30	-	-	-	-	-	6	11	22	32	60
	35	-	-	-	-	-	-	10	20	30	57
	40	-	-	-	-	-	-	9	19	28	53
	45	-	-	-	-	-	-	9	17	26	50
	50	-	-	-	-	-	-	-	16	25	47
	55	-	-	-	-	-	-	-	16	23	45
60	-	-	-	-	-	-	-	15	22	43	
65	-	-	-	-	-	-	-	14	21	41	
5 to 9	10	14	20	20	20	20	11	20	20	20	20
	15	12	22	30	30	30	9	16	30	30	30
	20	10	19	38	40	40	7	14	28	40	40
	25	9	16	34	50	50	7	12	25	37	50
	30	8	15	30	46	60	6	11	22	34	60
	35	7	14	28	42	70	-	10	21	31	59
	40	-	13	26	39	75	-	10	19	29	55
	45	-	12	25	37	71	-	9	18	27	52
	50	-	11	23	35	67	-	-	17	26	49
	55	-	11	22	33	63	-	-	16	24	47
60	-	10	21	31	60	-	-	16	23	44	
65	-	10	20	30	58	-	-	15	22	43	
10 to 15	10	15	20	20	20	20	11	20	20	20	20
	15	12	22	30	30	30	9	16	30	30	30
	20	10	19	39	40	40	8	14	29	40	40
	25	9	17	35	50	50	7	13	25	38	50
	30	8	15	31	47	60	6	11	23	35	60
	35	8	14	29	43	70	-	10	21	32	61
	40	-	13	27	40	77	-	10	20	30	57
	45	-	12	25	38	73	-	9	19	28	53
	50	-	12	24	36	69	-	9	18	26	50
	55	-	11	23	34	65	-	-	17	25	48
60	-	-	22	32	62	-	-	16	24	46	
65	-	-	21	31	60	-	-	15	23	44	

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Table A.1.A. Continued

A.1.A. Number of Orifices in a <i>Distribution Lateral Pipe</i>											
Squirt Height, ft.	Orifice Diameter	1/4" (6.4mm)					9/32" (7.1mm)				
	NPS Pipe Size of Distribution Lateral Pipe	3/4"	1"	1-1/4"	1-1/2"	2"	3/4"	1"	1-1/4"	1-1/2"	2"
	Distribution Lateral Length, ft.	19mm	25mm	32mm	38mm	51mm	19mm	25mm	32mm	38mm	51mm
		Maximum Orifices Permitted					Maximum Orifices Permitted				
2 to 4	10	8	15	20	20	20	6	12	20	20	20
	15	6	12	24	30	30	5	9	19	28	30
	20	6	10	21	31	40	4	8	16	24	40
	25	5	9	18	27	50	-	7	15	22	42
	30	-	8	17	25	48	-	7	13	20	38
	35	-	8	15	23	44	-	-	12	18	35
	40	-	-	14	21	41	-	-	11	17	32
	45	-	-	13	20	38	-	-	11	16	30
	50	-	-	13	19	36	-	-	10	15	29
	55	-	-	12	18	34	-	-	-	14	27
	60	-	-	12	17	33	-	-	-	14	26
65	-	-	-	16	31	-	-	-	13	25	
5 to 9	10	8	15	20	20	20	7	12	20	20	20
	15	7	12	25	30	30	5	10	20	30	30
	20	6	11	21	32	40	5	8	17	25	40
	25	5	9	19	28	50	-	7	15	22	43
	30	-	9	17	26	49	-	7	14	20	39
	35	-	8	16	24	46	-	-	13	19	36
	40	-	-	15	22	42	-	-	12	18	34
	45	-	-	14	21	40	-	-	11	16	32
	50	-	-	13	20	38	-	-	10	16	30
	55	-	-	13	19	36	-	-	-	15	28
	60	-	-	12	18	34	-	-	-	14	27
65	-	-	-	17	33	-	-	-	14	26	
10 to 15	10	8	16	20	20	20	7	12	20	20	20
	15	7	13	26	30	30	5	10	20	30	30
	20	6	11	22	33	40	5	9	17	26	40
	25	5	10	20	29	50	-	8	16	23	44
	30	-	9	18	26	51	-	7	14	21	40
	35	-	8	16	24	47	-	-	13	19	37
	40	-	8	15	23	44	-	-	12	18	35
	45	-	-	14	21	41	-	-	11	17	32
	50	-	-	14	20	39	-	-	11	16	31
	55	-	-	13	19	37	-	-	-	15	29
	60	-	-	12	18	35	-	-	-	15	28
65	-	-	-	18	34	-	-	-	14	27	

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Table A.1.A. Continued

A.1.A. Number of Orifices in a <i>Distribution Lateral Pipe</i>						
Squirt Height, ft.	Orifice Diameter	5/16" (7.9mm)				
	NPS Pipe Size of Distribution Lateral Pipe	¾" 19mm	1" 25mm	1-¼" 32mm	1-½" 38mm	2" 51mm
	Distribution Lateral Length, ft.	Maximum Orifices Permitted				
2 to 4	10	5	9	19	20	20
	15	4	8	16	23	30
	20	4	7	13	20	38
	25	-	6	12	18	34
	30	-	-	11	16	31
	35	-	-	10	15	28
	40	-	-	9	14	26
	45	-	-	9	13	25
	50	-	-	-	12	23
	55	-	-	-	12	22
	60	-	-	-	-	21
65	-	-	-	-	20	
5 to 9	10	5	10	20	20	20
	15	4	8	16	24	30
	20	4	7	14	21	39
	25	-	6	12	18	35
	30	-	6	11	17	32
	35	-	-	10	15	29
	40	-	-	10	14	27
	45	-	-	9	13	26
	50	-	-	-	13	24
	55	-	-	-	12	23
	60	-	-	-	-	22
65	-	-	-	-	21	
10 to 15	10	5	10	20	20	20
	15	4	8	17	25	30
	20	4	7	14	21	40
	25	-	6	13	19	36
	30	-	6	11	17	33
	35	-	-	11	16	30
	40	-	-	10	15	28
	45	-	-	9	14	26
	50	-	-	-	13	25
	55	-	-	-	12	24
	60	-	-	-	12	23
65	-	-	-	-	22	