



12 SERIES

30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr ■	Precip. in/hr ▲
12 F		15	9	1.8	2.14	2.47
		20	10	2.1	2.02	2.33
		25	11	2.4	1.91	2.20
		30	12	2.6	1.74	2.01
12 H		15	9	0.9	2.14	2.47
		20	10	1.0	1.93	2.22
		25	11	1.2	1.91	2.20
12 T		15	9	0.6	2.14	2.47
		20	10	0.7	2.02	2.33
		25	11	0.8	1.91	2.20
12 Q		15	9	0.5	2.38	2.74
		20	10	0.5	1.93	2.22
		25	11	0.6	1.91	2.20
12 TT		15	9	1.1	1.93	2.46
		20	10	1.3	1.85	2.00
		25	11	1.5	1.73	1.65
		30	12	1.6	1.59	1.39
12 TQ		15	9	1.3	2.07	2.46
		20	10	1.5	1.96	2.00
		25	11	1.7	1.83	1.65
12 Q		30	12	1.8	1.63	1.39

12 SERIES METRIC

30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure bar	Radius m	Flow m ³ /h	Precip. mm/hr ■	Precip. mm/hr ▲
12 F		1.0	2.7	0.41	56	65
		1.4	3.0	0.48	53	62
		1.7	3.3	0.55	51	58
		2.1	3.7	0.59	43	50
12 H		1.0	2.7	0.20	55	63
		1.4	3.0	0.23	51	59
		1.7	3.3	0.27	50	57
12 T		1.0	2.7	0.14	58	67
		1.4	3.0	0.16	53	62
		1.7	3.3	0.18	50	57
12 Q		1.0	2.7	0.11	60	70
		1.4	3.0	0.11	49	56
		1.7	3.3	0.14	51	59
12 TT		2.1	3.7	0.20	44	51
		1.0	2.7	0.25	51	65
		1.4	3.0	0.29	48	53
		1.7	3.3	0.33	45	43
12 TQ		2.1	3.7	0.37	41	35
		1.0	2.7	0.30	55	65
		1.4	3.0	0.35	52	53
12 Q		1.7	3.3	0.40	49	43
		2.1	3.7	0.42	41	35

■ Spacing based on 50% of diameter

▲ Spacing based on 50% of diameter

Max radius reduction with adjustment screw is 25%



15 SERIES

30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr ■	Precip. in/hr ▲
15 F		15	11	2.6	2.07	2.39
		20	12	3.0	2.01	2.32
		25	14	3.3	1.62	1.87
		30	15	3.7	1.58	1.83
15 H		15	11	1.3	2.07	2.39
		20	12	1.5	2.01	2.32
		25	14	1.7	1.67	1.93
15 T		15	11	0.9	2.15	2.48
		20	12	1.0	2.01	2.32
		25	14	1.1	1.62	1.87
15 Q		15	11	0.7	2.23	2.57
		20	12	0.8	2.14	2.47
		25	14	0.8	1.57	1.81
15 TT		30	15	0.9	1.54	1.78
		15	11	1.6	1.96	2.39
		20	12	1.9	1.90	2.00
		25	14	2.1	1.55	1.47
15 TQ		30	15	2.3	1.47	1.28
		15	11	2.1	2.24	2.39
		20	12	2.5	2.20	3.00
15 Q		25	14	2.8	1.82	1.47
		30	15	3.0	1.70	1.28

15 SERIES METRIC

30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure bar	Radius m	Flow m ³ /h	Precip. mm/hr ■	Precip. mm/hr ▲
15 F		1.0	3.4	0.59	51	59
		1.4	3.7	0.68	50	57
		1.7	4.3	0.75	41	47
		2.1	4.6	0.84	40	46
15 H		1.0	3.4	0.30	52	60
		1.4	3.7	0.34	50	57
		1.7	4.3	0.39	42	49
15 T		2.1	4.6	0.43	41	47
		1.0	3.4	0.20	52	60
		1.4	3.7	0.23	50	58
15 Q		1.7	4.3	0.25	41	47
		2.1	4.6	0.27	38	44
		1.0	3.4	0.16	55	64
15 TQ		1.4	3.7	0.18	53	61
		1.7	4.3	0.18	39	45
		2.1	4.6	0.20	38	44
15 TT		1.0	3.4	0.38	49	60
		1.4	3.7	0.44	48	58
		1.7	4.3	0.48	39	48
		2.1	4.6	0.53	38	46
15 TQ		1.0	3.4	0.49	57	60
		1.4	3.7	0.57	56	58
		1.7	4.3	0.64	46	48
15 Q		2.1	4.6	0.68	43	46

■ Spacing based on 50% of diameter

▲ Spacing based on 50% of diameter

Max radius reduction with adjustment screw is 25%



**5 STREAM
BUBBLER SERIES**

0° SPRAY TRAJECTORY

METRIC

Nozzle Pattern	Pressure psi	Radius ft (1)	Flow gpm (2)	Pressure bar	Radius m (1)	Flow m ³ /h (2)
	15	5	1.5	1.0	1.5	0.34
	20	5	1.5	1.4	1.5	0.34
	25	5	1.5	1.7	1.5	0.34
	30	5	1.5	2.1	1.5	0.34
	15	5	1.0	1.0	1.5	0.23
	20	5	1.0	1.4	1.5	0.23
	25	5	1.0	1.7	1.5	0.23
	30	5	1.0	2.1	1.5	0.23
	15	5	0.5	1.0	1.5	0.11
	20	5	0.5	1.4	1.5	0.11
	25	5	0.5	1.7	1.5	0.11
5 CST-B	30	5	0.5	2.1	1.5	0.11
	15	5	0.5	1.0	1.5	0.11
	20	5	0.5	1.4	1.5	0.11
	25	5	0.5	1.7	1.5	0.11
	30	5	0.5	2.1	1.5	0.11

(1) Adjusted radius at pressure shown

(2) Flow with radius adjusted to 5 ft (1.5m)



15/9 STRIP SERIES

30° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Width x Length (ft)	Flow gpm	Precip.* in/hr
	15	4 x 13	0.5	1.85
	20	4 x 14	0.5	1.72
	25	4 x 14	0.6	2.06
	30	4 x 15	0.6	1.93
15CST	15	4 x 26	0.9	1.67
	20	4 x 28	1.0	1.72
	25	4 x 28	1.1	1.89
15SST	30	4 x 30	1.2	1.93
	15	4 x 26	0.9	1.67
	20	4 x 28	1.0	1.72
9SST	25	4 x 28	1.1	1.89
	30	4 x 30	1.2	1.93
	15	9 x 15	1.3	1.85
	20	9 x 16	1.5	2.01
	25	9 x 18	1.6	1.90
	30	9 x 18	1.7	2.02

METRIC

30° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Width x Length (m)	Flow m ³ /h	Precip.* mm/hr
	1.0	1.2 x 4.0	0.11	46
	1.4	1.2 x 4.3	0.11	43
	1.7	1.2 x 4.3	0.14	54
	2.1	1.2 x 4.6	0.14	51
15 CST	1.0	1.2 x 7.9	0.20	42
	1.4	1.2 x 8.5	0.23	45
	1.7	1.2 x 8.5	0.25	49
	2.1	1.2 x 9.1	0.27	50
15 SST	1.0	1.2 x 7.9	0.20	42
	1.4	1.2 x 8.5	0.23	45
	1.7	1.2 x 8.5	0.25	49
	2.1	1.2 x 9.1	0.27	50
9 SST	1.0	2.7 x 4.6	0.30	48
	1.4	2.7 x 4.9	0.34	51
	1.7	2.7 x 5.5	0.36	49
	2.1	2.7 x 5.5	0.39	53

* Precipitation based on in-line, head-to-head spacing.

