Signature®
CONTROL SYSTEMS, INC.

SPRAY HEADS

NOZZLES

8' (2,4 m) FIXED PATTERN (5° Trajectory - flat)

Pressure	Radius	Discharge	Precipitation Rate[1]		Model	Pressure		Radius	Discharge		Precipitation Rate[1]	
PSI	FT. R	GPM	■ IN/HR	▲		BARS		M	M^3H	L/min	■ MM/HR	▲
15	6	1.0	2.3	2.8	7284 8F-FLT FULL (360°)	1.1	104	1.8	0.23	3.8	58.4	71.1
20	7	1.2	2.1	2.6		1.4	138	2.1	0.27	4.5	53.3	66.0
25	7	1.2	2.0	2.5		1.8	173	2.1	0.27	4.5	50.8	63.5
30	8	1.5	1.9	2.4		2.1	207	2.4	0.34	5.7	48.2	61.0
15	6	0.5	2.3	2.8	7282 8H-FLT 1/2 (180°)	1.1	104	1.8	0.11	1.9	58.4	71.1
20	7	0.6	2.1	2.6		1.4	138	2.1	0.14	2.3	53.3	66.0
25	7	0.6	2.0	2.5		1.8	173	2.1	0.14	2.3	50.8	63.5
30	8	0.7	1.9	2.3		2.1	207	2.4	0.16	2.6	48.2	61.0
15	6	0.3	2.3	2.8	7281 8Q-FLT 1/4 (90°)	1.1	104	1.8	0.07	1.1	58.4	71.1
20	7	0.3	2.1	2.6		1.4	138	2.1	0.07	1.1	53.3	66.0
25	7	0.3	2.0	2.5		1.8	173	2.1	0.07	1.1	50.8	63.5
30	8	0.4	1.9	2.3		2.1	207	2.4	0.09	1.5	48.2	61.0

10' (3,1 m) FIXED PATTERN (15° Trajectory - low angle)

15	7	1.2	2.3	2.6	7274 10F-LA FULL (360°)	1.1	104	2.1	0.27	4.5	58.4	66.0
20	8	1.3	2.0	2.3		1.4	138	2.4	0.30	4.9	50.8	58.4
25	9	1.4	1.7	2.0		1.8	173	2.7	0.32	5.3	43.2	50.8
30	10	1.6	1.5	1.8		2.1	207	3.1	0.36	6.1	38.1	45.7
15	7	0.6	2.3	2.6	7272 10H-LA 1/2 (180°)	1.1	104	2.1	0.14	2.3	58.4	66.0
20	8	0.6	2.0	2.3		1.4	138	2.4	0.14	2.3	50.8	58.4
25	9	0.7	1.7	2.0		1.8	173	2.7	0.16	2.6	43.2	50.8
30	10	0.8	1.5	1.8		2.1	207	3.1	0.18	3.0	38.1	45.7
15	7	0.3	2.3	2.6	7271 10Q-LA 1/4 (90°)	1.1	104	2.1	0.06	1.1	58.4	66.0
20	8	0.3	2.0	2.3		1.4	138	2.4	0.06	1.1	50.8	58.4
25	9	0.4	1.7	2.0		1.8	173	2.7	0.09	1.5	43.2	50.8
30	10	0.4	1.5	1.8		2.1	207	3.1	0.09	1.5	38.1	45.7

12' (3,7 m) FIXED PATTERN (30° Trajectory - low gallonage)

15	9	1.8	2.1	2.5	7374 12F FULL (360°)	1.1	104	2.7	0.40	6.8	53.3	63.5
20	10	2.1	2.0	2.3		1.4	138	3.1	0.48	7.9	50.8	58.4
25	11	2.4	1.9	2.2		1.8	173	3.4	0.54	9.1	48.2	55.9
30	12	2.6	1.7	2.0		2.1	207	3.7	0.59	9.8	43.2	50.8
15	9	1.4	2.1	2.5	7373 12TQ 3/4 (270°)	1.1	104	2.7	0.32	5.3	53.3	63.5
20	10	1.6	2.0	2.3		1.4	138	3.1	0.36	6.1	50.8	58.4
25	11	1.8	1.9	2.2		1.8	173	3.4	0.41	6.8	48.2	55.9
30	12	2.0	1.7	2.0		2.1	207	3.7	0.45	7.6	43.2	50.8
15	9	1.2	2.1	2.5	7375 12TT 2/3 (240°)	1.1	104	2.7	0.27	5.5	53.3	63.5
20	10	1.4	2.0	2.3		1.4	138	3.1	0.32	5.3	50.8	58.4
25	11	1.6	1.9	2.2		1.8	173	3.4	0.36	6.1	48.2	55.9
30	12	1.7	1.7	2.0		2.1	207	3.7	0.39	6.4	43.2	50.8
15	9	0.9	2.1	2.5	7372 12H 1/2 (180°)	1.1	104	2.7	0.20	3.4	53.3	63.5
20	10	1.1	2.0	2.3		1.4	138	3.1	0.25	4.2	50.8	58.4
25	11	1.2	1.9	2.2		1.8	173	3.4	0.27	4.5	48.2	55.9
30	12	1.3	1.7	2.0		2.1	207	3.7	0.30	4.9	43.2	50.8
15	9	0.6	2.1	2.5	7376 12T 1/3 (120°)	1.1	104	2.7	0.14	2.3	53.3	63.5
20	10	0.7	2.0	2.3		1.4	138	3.1	0.16	2.6	50.8	58.4
25	11	0.8	1.9	2.2		1.8	173	3.4	0.18	3.0	48.2	55.9
30	12	0.9	1.7	2.0		2.1	207	3.7	0.20	3.1	43.2	50.8
15	9	0.5	2.1	2.5	7371 12Q 1/4 (90°)	1.1	104	2.7	0.11	1.9	53.3	63.5
20	10	0.5	2.0	2.3		1.4	138	3.1	0.11	1.9	50.8	58.4
25	11	0.6	1.9	2.2		1.8	173	3.4	0.14	2.3	48.2	55.9
30	12	0.7	1.7	2.0		2.1	207	3.7	0.16	2.6	43.2	50.8

15' (4,6 m) FIXED PATTERN (30° Trajectory - standard)

15	11	2.6	2.1	2.4	7074 15F FULL (360°)	1.1	104	3.4	0.59	9.8	53.3	60.7
20	12	3.0	2.0	2.3		1.4	138	3.7	0.68	11.4	50.8	58.4
25	14	3.3	1.6	1.9		1.8	173	4.3	0.75	12.5	40.6	48.2
30	15	3.7	1.6	1.8		2.1	207	4.6	0.84	14.0	40.6	45.7
15	11	2.0	2.1	2.4	7073 15TQ 3/4 (270°)	1.1	104	3.4	0.45	7.6	53.3	60.7
20	12	2.3	2.0	2.3		1.4	138	3.7	0.52	8.7	50.8	58.4
25	14	2.5	1.6	1.9		1.8	173	4.3	0.57	9.5	40.6	48.2
30	15	2.8	1.6	1.8		2.1	207	4.6	0.64	10.6	40.6	45.7
15	11	1.7	2.1	2.4	7075 15TT 2/3 (240°)	1.1	104	3.4	0.39	6.4	53.3	60.7
20	12	2.0	2.0	2.3		1.4	138	3.7	0.45	7.6	50.8	58.4
25	14	2.2	1.6	1.9		1.8	173	4.3	0.50	8.3	40.6	48.2
30	15	2.5	1.6	1.8		2.1	207	4.6	0.57	9.5	40.6	45.7
15	11	1.3	2.1	2.4	7072 15H 1/2 (180°)	1.1	104	3.4	0.30	4.9	53.3	60.7
20	12	1.5	2.0	2.3		1.4	138	3.7	0.34	5.7	50.8	58.4
25	14	1.7	1.6	1.9		1.8	173	4.3	0.39	6.4	40.6	48.2
30	15	1.9	1.6	1.8		2.1	207	4.6	0.43	7.2	40.6	45.7
15	11	0.9	2.1	2.4	7076 15T 1/3 (120°)	1.1	104	3.4	0.20	3.4	53.3	60.7
20	12	1.0	2.0	2.3		1.4	138	3.7	0.22	3.8	50.8	58.4
25	14	1.1	1.6	1.9		1.8	173	4.3	0.25	4.2	40.6	48.2
30	15	1.2	1.6	1.8		2.1	207	4.6	0.27	4.5	40.6	45.7
15	11	0.7	2.1	2.4	7071 15Q 1/4 (90°)	1.1	104	3.4	0.16	2.6	53.3	60.7
20	12	0.8	2.0	2.3		1.4	138	3.7	0.18	3.0	50.8	58.4
25	14	0.8	1.6	1.9		1.8	173	4.3	0.18	3.0	40.6	48.2
30	15	0.9	1.6	1.8		2.1	207	4.6	0.20	3.4	40.6	45.7

SPECIAL PATTERN

15	18 X 18	2.6	3.1	3.6	7081 15SQ SQUARE	1.1	104	5.5 X 5.5	.059	9.8	78.7	91.4
20	20 X 20	3.0	2.9	3.3		1.4	138	6.1 X 6.1	0.68	11.4	73.7	83.3
25	22 X 22	3.3	2.6	3.0		1.8	173	6.7 X 6.7	0.75	12.5	66.0	76.2
30	24 X 24	3.7	2.5	2.9		2.1	207	7.3 X 7.3	0.84	14.0	63.5	73.7
15	4 X 13	0.5	1.7	-	7082 15EST END STRIP	1.1	104	1.2 X 4.0	0.11	1.9	43.2	-
20	4 X 14	0.5	1.7	-		1.4	138	1.2 X 4.3	0.11	1.9	43.2	-
25	4 X 14	0.6	1.9	-		1.8	173	1.2 X 4.3	0.14	2.3	48.3	-
30	4 X 15	0.6	1.9	-		2.1	207	1.2 X 4.6	0.14	2.3	48.3	-
15	4 X 26	0.9	1.7	-	7083 15CST CENTER STRIP	1.1	104	1.2 X 7.9	0.20	3.4	43.2	-
20	4 X 28	1.0	1.7	-		1.4	138	1.2 X 8.5	0.22	3.8	43.2	-
25	4 X 28	1.1	1.9	-		1.8	173	1.2 X 8.5	0.25	4.2	48.3	-
30	4 X 30	1.2	1.9	-		2.1	207	1.2 X 9.1	0.27	4.5	48.3	-
15	4 X 26	0.9	1.7	-	7084 15SST SIDE STRIP	1.1	104	1.2 X 7.9	0.20	3.4	43.2	-
20	4 X 28	1.0	1.7	-		1.4	138	1.2 X 8.5	0.22	3.8	43.2	-
25	4 X 28	1.1	1.9	-		1.8	173	1.2 X 8.5	0.25	4.2	48.3	-
30	4 X 30	1.2	1.9	-		2.1	207	1.2 X 9.1	0.27	4.5	48.3	-

8' (2,4 m) 7170-S MULTI-ARC (5° Trajectory)

Pressure	Radius	Discharge	Precipitation Rate		Model	Pressure	Radius	Discharge		Precipitation Rate	
PSI	FT. R	GPM	■ IN/HR	▲		BARS	M	M^3H	L/min	■ MM/HR	▲
20	8	1.8	2.7	3.1	7170 FULL (360°)	1.4	2.4	0.41	6.8	70.9	61.4
30	8	2.1	3.2	3.7		**2.0**	**2.4**	0.48	8.1	84.7	73.4
40	10	2.5	2.4	2.8		2.8	3.0	0.56	9.5	63.1	54.6
50	10	2.8	2.7	3.1		3.5	3.0	0.63	10.6	70.6	61.2
20	8	1.3	2.0	3.1	7170 3/4 (270°)	1.4	2.4	0.30	5.1	53.2	61.4
30	8	1.5	2.3	3.7		**2.0**	**2.4**	0.35	5.9	61.5	73.4
40	10	1.8	1.7	2.8		2.8	3.0	0.41	6.8	45.4	54.6
50	10	2.1	2.0	3.1		3.5	3.0	0.47	7.9	52.9	61.2
20	8	0.8	1.2	3.1	7170 1/2 (180°)	1.4	2.4	0.18	3.0	31.5	61.4
30	8	1.0	1.5	3.7		**2.0**	**2.4**	0.23	3.8	39.4	73.4
40	10	1.1	1.0	2.8		2.8	3.0	0.25	4.2	27.8	54.6
50	10	1.2	1.2	3.1		3.5	3.0	0.28	4.7	31.5	61.2
20	8	0.5	0.7	3.1	7170 1/4 (90°)	1.4	2.4	0.11	1.9	19.7	61.4
30	8	0.6	0.9	3.7		**2.0**	**2.4**	0.14	2.3	23.6	73.4
40	10	0.7	0.7	2.8		2.8	3.0	0.17	2.8	18.9	54.6
50	10	0.8	0.8	3.1		3.5	3.0	0.18	3.0	20.2	61.2

10' (3,1 m) 7270-S MULTI-ARC (10° Trajectory)

Pressure	Radius	Discharge	Precipitation Rate		Model	Pressure	Radius	Discharge		Precipitation Rate	
PSI	FT. R	GPM	■ IN/HR	▲		BARS	M	M^3H	L/min	■ MM/HR	▲
20	10	1.8	1.7	2.0	7170 FULL (360°)	1.4	3.0	0.41	6.8	44.2	38.3
30	10	2.1	2.0	2.3		**2.0**	**3.0**	0.48	8.1	52.8	45.7
40	11	2.5	2.0	2.3		2.8	3.3	0.56	9.5	50.7	43.9
50	11	2.8	2.2	2.5		3.5	3.0	0.63	10.6	56.8	49.2
20	10	1.3	1.3	2.0	7170 3/4 (270°)	1.4	3.0	0.30	5.1	33.1	38.3
30	10	1.5	1.5	2.3		**2.0**	**3.0**	0.35	5.9	38.3	45.7
40	11	1.8	1.5	2.3		2.8	3.3	0.41	6.8	36.5	43.9
50	11	2.1	1.6	2.5		3.5	3.0	0.47	7.9	42.6	49.2
20	10	0.8	0.7	2.0	7170 1/2 (180°)	1.4	3.0	0.18	3.0	19.6	38.3
30	10	1.0	0.9	2.3		**2.0**	**3.0**	0.23	3.8	24.5	45.7
40	11	1.1	0.8	2.3		2.8	3.3	0.25	4.2	22.3	43.9
50	11	1.2	0.9	2.5		3.5	3.0	0.28	4.7	25.3	49.2
20	10	0.5	0.4	2.0	7170 1/4 (90°)	1.4	3.0	0.11	1.9	12.2	38.3
30	10	0.6	0.5	2.3		**2.0**	**3.0**	0.14	2.3	14.7	45.7
40	11	0.7	0.6	2.3		2.8	3.3	0.17	2.8	15.2	43.9
50	11	0.8	0.6	2.5		3.5	3.0	0.18	3.0	16.2	49.2

12' (3,7 m) 7370-S MULTI-ARC (28° Trajectory)

Pressure	Radius	Discharge	Precipitation Rate		Model	Pressure	Radius	Discharge		Precipitation Rate	
PSI	FT. R	GPM	■ IN/HR	▲		BARS	M	M^3H	L/min	■ MM/HR	▲
20	12	2.0	1.3	1.5	7170 FULL (360°)	1.4	3.6	0.45	7.6	34.1	29.5
30	12	2.5	1.6	1.9		**2.0**	**3.6**	0.56	9.5	42.6	36.9
40	13	2.8	1.6	1.8		2.8	3.9	0.64	10.8	41.4	35.8
50	14	3.2	1.6	1.8		3.5	4.2	0.72	12.1	40.1	34.7
20	12	1.6	1.1	1.5	7170 3/4 (270°)	1.4	3.6	0.37	6.2	28.1	29.5
30	12	2.0	1.3	1.9		**2.0**	**3.6**	0.45	7.6	34.1	36.9
40	13	2.3	1.3	1.8		2.8	3.9	0.52	8.7	33.4	35.8
50	14	2.6	1.3	1.8		3.5	4.2	0.59	9.8	32.6	34.7
20	12	1.1	0.7	1.5	7170 1/2 (180°)	1.4	3.6	0.25	4.2	18.7	29.5
30	12	1.4	0.8	1.9		**2.0**	**3.6**	0.32	5.3	23.8	36.9
40	13	1.5	0.8	1.8		2.8	3.9	0.34	5.7	21.8	35.8
50	14	1.7	0.8	1.8		3.5	4.2	0.38	6.4	21.3	34.7
20	12	0.6	0.4	1.5	7170 1/4 (90°)	1.4	3.6	0.15	2.5	11.0	29.5
30	12	0.8	0.5	1.9		**2.0**	**3.6**	0.18	3.0	13.6	36.9
40	13	0.9	0.5	1.8		2.8	3.9	0.21	3.5	13.3	35.8
50	14	1.0	0.5	1.8		3.5	4.2	0.24	4.0	13.1	34.7

15' (4,6 m) 7070-S MULTI-ARC (28° Trajectory)

Pressure	Radius	Discharge	Precipitation Rate		Model	Pressure	Radius	Discharge		Precipitation Rate	
PSI	FT. R	GPM	■ IN/HR	▲		BARS	M	M^3H	L/min	■ MM/HR	▲
20	15	2.3	0.9	1.1	7170 FULL (360°)	1.4	4.5	0.52	8.1	25.1	21.7
30	15	2.8	1.2	1.3		**2.0**	**4.5**	0.63	10.6	30.5	26.4
40	16	3.2	1.2	1.3		2.8	4.8	0.72	12.1	30.7	26.6
50	16	3.6	1.3	1.5		3.5	4.8	0.81	13.6	34.5	29.9
20	15	2.0	0.8	1.1	7170 3/4 (270°)	1.4	4.5	0.45	7.6	21.8	21.7
30	15	2.4	1.0	1.3		**2.0**	**4.5**	0.54	9.1	26.2	26.4
40	16	2.8	1.0	1.3		2.8	4.8	0.63	10.6	26.8	26.6
50	16	3.1	1.1	1.5		3.5	4.8	0.70	11.7	29.7	29.9
20	15	1.5	0.6	1.1	7170 1/2 (180°)	1.4	4.5	0.34	5.7	16.3	21.7
30	15	1.7	0.7	1.3		**2.0**	**4.5**	0.39	6.6	19.1	26.4
40	16	2.1	0.7	1.3		2.8	4.8	0.47	7.9	20.1	26.6
50	16	2.3	0.8	1.5		3.5	4.8	0.52	8.7	22.0	29.9
20	15	1.0	0.4	1.1	7170 1/4 (90°)	1.4	4.5	0.23	3.8	10.9	21.7
30	15	1.2	0.5	1.3		**2.0**	**4.5**	0.27	4.5	13.1	26.4
40	16	1.4	0.5	1.3		2.8	4.8	0.32	5.3	13.4	26.6
50	16	1.6	0.6	1.5		3.5	4.8	0.36	6.1	15.3	29.9

17' (5,2 m) 7470-S MULTI-ARC (28° Trajectory)

Pressure	Radius	Discharge	Precipitation Rate		Model	Pressure	Radius	Discharge		Precipitation Rate	
PSI	FT. R	GPM	■ IN/HR	▲		BARS	M	M^3H	L/min	■ MM/HR	▲
20	16	2.3	0.8	1.0	7170 FULL (360°)	1.4	4.8	0.52	8.7	22.0	19.1
30	17	2.8	0.9	1.0		**2.0**	**5.1**	0.63	10.6	23.8	20.6
40	17	3.2	1.0	1.2		2.8	5.1	0.72	12.1	27.2	23.5
50	18	3.6	1.0			3.5	5.4	0.81	13.6	27.3	23.6
20	16	2.0	0.7	1.0	7170 3/4 (270°)	1.4	4.8	0.45	7.6	19.2	19.1
30	17	2.4	0.8	1.0		**2.0**	**5.1**	0.54	9.1	20.0	20.6
40	17	2.8	0.9	1.2		2.8	5.1	0.63	10.6	23.8	23.5
50	18	3.1	0.9	1.2		3.5	5.4	0.70	11.7	23.5	23.6
20	16	1.5	0.5	1.0	7170 1/2 (180°)	1.4	4.8	0.34	5.7	14.4	19.1
30	17	1.7	0.5	1.0		**2.0**	**5.1**	0.39	6.6	14.8	20.6
40	17	2.1	0.7	1.2		2.8	5.1	0.47	7.9	17.8	23.5
50	18	2.3	0.7	1.2		3.5	5.4	0.52	8.7	17.4	23.6
20	16	1.0	0.3	1.0	7170 1/4 (90°)	1.4	4.8	0.23	3.8	9.6	19.1
30	17	1.2	0.4	1.0		**2.0**	**5.1**	0.27	4.5	10.2	20.6
40	17	1.4	0.4	1.2		2.8	5.1	0.32	5.3	11.9	23.5
50	18	1.6	0.4	1.2		3.5	5.4	0.36	6.1	12.1	23.6

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