



## 1.5 m FIXED PATTERN

## 2.4 m FIXED PATTERN (2.4 m Radius, 5° Trajectory - flat)

Pressure	Radius	Discharge	Precipitation Rate <sup>1</sup>		Model	Pressure	Radius	Discharge		Precipitation Rate <sup>1</sup>		
			■ IN/HR ▲					BARS	M	M <sup>3</sup> H	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



## 3 m FIXED PATTERN (3 m Radius, 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



## 3.6 m FIXED PATTERN

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



## 4.6 mFIXED PATTERN



15	11	2.6	2.1	2.4	<b>7074 15F FULL (360°)</b>	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	<b>7073 15TQ 3/4 (270°)</b>	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	<b>7075 15TT 2/3 (240°)</b>	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	<b>7072 15H 1/2 (180°)</b>	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	<b>7076 15T 1/3 (120°)</b>	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	<b>7071 15Q 1/4 (90°)</b>	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	<b>7081 15SQ SQUARE</b>	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	-	<b>7082 15EST END STRIP</b>	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	-	<b>7083 15CST CENTER STRIP</b>	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	-	<b>7084 15SST SIDE STRIP</b>	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	-

### 7170 MULTI-ARC™ (2.1 m Radius, 5° Trajectory)

Pressure		Radius	Discharge		Precipitation Rate		Model	Pressure		Radius		Discharge		Precipitation Rate	
PSI	FT. R	GPM	■	▲	IN/HR	▲		BARS	M	M <sup>3</sup> H	L/min	■	MM/HR	▲	
20	7.0	1.10	2.2	2.5	7170 FULL (360°)	1.4	2.1	0.25	4.2	54.9	63.4				
25	7.0	1.24	2.4	2.8		1.7	2.1	0.28	4.7	61.9	71.4				
30	8.0	1.35	2.0	2.2		2.0	2.4	0.31	5.1	51.6	59.5				
20	7.0	0.82	1.6	2.5	7170 3/4 (270°)	1.4	2.1	0.19	3.1	40.9	63.4				
25	7.0	0.92	1.8	2.8		1.7	2.1	0.21	3.5	45.9	71.4				
30	8.0	1.02	1.5	2.2		2.0	2.4	0.23	3.9	39.0	59.5				
20	7.0	0.76	1.5	2.5	7170 2/3 (240°)	1.4	2.1	0.17	2.9	37.9	63.4				
25	7.0	0.86	1.7	2.8		1.7	2.1	0.20	3.3	42.9	71.4				
30	8.0	0.93	1.4	2.2		2.0	2.4	0.21	3.5	35.5	59.5				
20	7.0	0.57	1.1	2.5	7170 1/2 (180°)	1.4	2.1	0.13	2.2	28.4	63.4				
25	7.0	0.65	1.3	2.8		1.7	2.1	0.15	2.5	32.4	71.4				
30	8.0	0.70	1.1	2.2		2.0	2.4	0.16	2.6	26.7	59.5				
20	7.0	0.37	0.7	2.5	7170 1/3 (120°)	1.4	2.1	0.08	1.4	18.5	63.4				
25	7.0	0.43	0.8	2.8		1.7	2.1	0.10	1.6	21.5	71.4				
30	8.0	0.46	0.7	2.2		2.0	2.4	0.10	1.7	17.6	59.5				
20	7.0	0.30	0.6	2.5	7170 1/4 (90°)	1.4	2.1	0.07	1.1	15.0	63.4				
25	7.0	0.35	0.7	2.8		1.7	2.1	0.08	1.3	17.5	71.4				
30	8.0	0.38	0.6	2.2		2.0	2.4	0.09	1.4	14.5	59.5				



### 7270 MULTI-ARC™ (3 m Radius, 10° Trajectory)

20	10.0	1.27	1.2	1.4	7270 FULL (360°)	1.4	3.0	0.29	4.8	31.0	35.9		
25	10.0	1.43	1.4	1.6		1.7	3.0	0.32	5.4	35.0	40.4		
30	11.0	1.57	1.2	1.3		2.0	3.4	0.36	5.9	31.7	36.6		
20	10.0	0.97	0.9	1.4	7270 3/4 (270°)	1.4	3.0	0.22	3.7	23.7	35.9		
25	10.0	1.08	1.0	1.6		1.7	3.0	0.25	4.1	26.4	40.4		
30	11.0	1.19	0.9	1.3		2.0	3.4	0.27	4.5	24.0	36.6		
20	10.0	0.93	0.9	1.4	7270 2/3 (240°)	1.4	3.0	0.21	3.5	22.7	35.9		
25	10.0	1.04	1.0	1.6		1.7	3.0	0.24	3.9	25.4	40.4		
30	11.0	1.14	0.9	1.3		2.0	3.4	0.26	4.3	23.0	36.6		
20	10.0	0.70	0.7	1.4	7270 1/2 (180°)	1.4	3.0	0.16	2.6	17.1	35.9		
25	10.0	0.78	0.8	1.6		1.7	3.0	0.18	3.0	19.1	40.4		
30	11.0	0.86	0.7	1.3		2.0	3.4	0.20	3.3	17.4	36.6		
20	10.0	0.46	0.4	1.4	7270 1/3 (120°)	1.4	3.0	0.10	1.7	11.2	35.9		
25	10.0	0.51	0.5	1.6		1.7	3.0	0.12	1.9	12.5	40.4		
30	11.0	0.57	0.5	1.3		2.0	3.4	0.13	2.2	11.5	36.6		
20	10.0	0.40	0.4	1.4	7270 1/4 (90°)	1.4	3.0	0.09	1.5	9.8	35.9		
25	10.0	0.48	0.5	1.6		1.7	3.0	0.11	1.8	11.7	40.4		
30	11.0	0.53	0.4	1.3		2.0	3.4	0.12	2.0	10.7	36.6		



### 7370 MULTI-ARC™ (3.6 m Radius, 28° Trajectory)

20	12.0	1.73	1.2	1.3	7370 FULL (360°)	1.4	3.7	0.39	6.5	29.4	33.9		
25	12.0	1.93	1.3	1.5		1.7	3.7	0.44	7.3	32.8	37.8		
30	13.0	2.12	1.2	1.3		2.0	4.0	0.48	8.0	30.7	35.4		
20	12.0	1.36	0.9	1.3	7370 3/4 (270°)	1.4	3.7	0.31	5.1	23.1	33.9		
25	12.0	1.53	1.0	1.5		1.7	3.7	0.35	5.8	26.0	37.8		
30	13.0	1.68	1.0	1.3		2.0	4.0	0.38	6.4	24.3	35.4		
20	12.0	1.26	0.8	1.3	7370 2/3 (240°)	1.4	3.7	0.29	4.8	21.4	33.9		
25	12.0	1.42	0.9	1.5		1.7	3.7	0.32	5.4	24.1	37.8		
30	13.0	1.57	0.9	1.3		2.0	4.0	0.36	5.9	22.7	35.4		
20	12.0	0.95	0.6	1.3	7370 1/2 (180°)	1.4	3.7	0.22	3.6	16.1	33.9		
25	12.0	1.07	0.7	1.5		1.7	3.7	0.24	4.1	18.2	37.8		
30	13.0	1.18	0.7	1.3		2.0	4.0	0.27	4.5	17.1	35.4		
20	12.0	0.63	0.4	1.3	7370 1/3 (120°)	1.4	3.7	0.14	2.4	10.7	33.9		
25	12.0	0.71	0.5	1.5		1.7	3.7	0.16	2.7	12.1	37.8		
30	13.0	0.78	0.4	1.3		2.0	4.0	0.18	3.0	11.3	35.4		
20	12.0	0.50	0.3	1.3	7370 1/4 (90°)	1.4	3.7	0.11	1.9	8.5	33.9		
25	12.0	0.56	0.4	1.5		1.7	3.7	0.13	2.1	9.5	37.8		
30	13.0	0.67	0.4	1.3		2.0	4.0	0.15	2.5	9.7	35.4		



### 7070 MULTI-ARC™ (4.6 m Radius, 28° Trajectory)

20	14.0	2.7	1.3	1.2	7070 FULL (360°)	1.4	4.3	0.61	10.2	29.3	33.8
25	15.0	3.0	1.3	1.1		1.7	4.6	<b>0.68</b>	<b>11.4</b>	<b>28.3</b>	<b>32.7</b>
30	16.0	3.27	1.2	1.1		2.0	4.9	0.74	12.4	27.1	31.3
20	14.0	2.22	1.5	1.33	7070 3/4 (270°)	1.4	4.3	0.50	8.4	32.1	37.1
25	15.0	2.5	1.4	1.2		1.7	4.6	<b>0.57</b>	<b>9.5</b>	<b>31.5</b>	<b>36.4</b>
30	16.0	2.74	1.4	1.2		2.0	4.9	0.62	10.4	30.3	35.0
20	14.0	2.1	1.6	1.3	7070 2/3 (240°)	1.4	4.3	0.48	7.9	34.1	39.4
25	15.0	2.3	1.5	1.3		1.7	4.6	<b>0.52</b>	<b>8.7</b>	<b>32.6</b>	<b>37.6</b>
30	16.0	2.53	1.4	1.2		2.0	4.9	0.57	9.6	31.5	36.4
20	14.0	1.67	1.6	1.4	7070 1/2 (180°)	1.4	4.3	0.38	6.3	36.2	41.8
25	15.0	1.9	1.6	1.4		1.7	4.6	<b>0.43</b>	<b>7.2</b>	<b>35.9</b>	<b>41.4</b>
30	16.0	2.07	1.6	1.4		2.0	4.9	0.47	7.8	34.4	39.7
20	14.0	1.2	1.8	1.5	7070 1/3 (120°)	1.4	4.3	0.27	4.5	39.0	45.1
25	15.0	1.33	1.7	1.5		1.7	4.6	<b>0.30</b>	<b>5.0</b>	<b>37.7</b>	<b>43.5</b>
30	16.0	1.44	1.6	1.4		2.0	4.9	0.33	5.5	35.9	41.4
20	14.0	0.93	1.8	1.6	7070 1/4 (90°)	1.4	4.3	0.21	3.5	40.3	46.6
25	15.0	1.03	1.8	1.5		1.7	4.6	<b>0.23</b>	<b>3.9</b>	<b>38.9</b>	<b>44.9</b>
30	16.0	1.13	1.7	1.5		2.0	4.9	0.26	4.3	37.5	43.3



### 7470 MULTI-ARC™ (5.2 m Radius, 28° Trajectory)

20	16.0	3.87	1.5	1.7	7470 FULL (360°)	1.4	4.9	0.88	14.6	37.0	42.7
25	17.0	4.50	1.5	1.7		1.7	5.2	<b>1.02</b>	<b>17.0</b>	<b>38.1</b>	<b>44.0</b>
30	18.0	4.82	1.4	1.5		2.0	5.5	1.09	18.2	36.4	42.0
20	16.0	2.90	1.1	1.7	7470 3/4 (270°)	1.4	4.9	0.66	11.0	27.7	42.7
25	17.0	3.38	1.1	1.7		1.7	5.2	<b>0.77</b>	<b>12.8</b>	<b>28.6</b>	<b>44.0</b>
30	18.0	3.61	1.1	1.5		2.0	5.5	0.82	13.7	27.2	42.0
20	16.0	2.58	1.0	1.7	7470 2/3 (240°)	1.4	4.9	0.59	9.8	24.6	42.7
25	17.0	3.00	1.0	1.7		1.7	5.2	<b>0.68</b>	<b>11.4</b>	<b>25.4</b>	<b>44.0</b>
30	18.0	3.21	1.0	1.5		2.0	5.5	0.73	12.2	24.2	42.0
20	16.0	1.94	0.7	1.7	7470 1/2 (180°)	1.4	4.9	0.44	7.3	18.5	42.7
25	17.0	2.25	0.7	1.7		1.7	5.2	<b>0.51</b>	<b>8.5</b>	<b>19.0</b>	<b>44.0</b>
30	18.0	2.41	0.7	1.5		2.0	5.5	0.55	9.1	18.2	42.0
20	16.0	1.29	0.5	1.7	7470 1/3 (120°)	1.4	4.9	0.29	4.9	12.3	42.7
25	17.0	1.50	0.5	1.7		1.7	5.2	<b>0.34</b>	<b>5.7</b>	<b>12.7</b>	<b>44.0</b>
30	18.0	1.61	0.5	1.5		2.0	5.5	0.37	6.1	12.1	42.0
20	16.0	0.97	0.4	1.7	7470 1/4 (90°)	1.4	4.9	0.22	3.7	9.3	42.7
25	17.0	1.13	0.4	1.7		1.7	5.2	<b>0.26</b>	<b>4.3</b>	<b>9.6</b>	<b>44.0</b>
30	18.0	1.20	0.4	1.5		2.0	5.5	0.27	4.5	9.1	42.0

