

Quick Reference Performance Guide



RAIN  BIRD®

Irrigation products needed for each stage of a field's development. With a legacy rooted in agriculture, Rain Bird has applied its industry-leading irrigation expertise to design and manufacture a range of solutions to meet grower's irrigations needs. From low-volume precision dripline irrigation to high-volume long-throw sprinklers, our products minimize maintenance, maximize distribution uniformity and efficiently deliver water and nutrients to where it's needed during all stages of a crop's life.



Micro-Quick™

Spray

10-30 psi
(0.69-2.07 bar)

3.7-30.6 gph
(13.8-115.7 l/h)

3-28 feet
(0.91-8.5 meter)
Diameter



LFX300

Dampened Rotation

25-50 psi
(1.72-3.45 bar)

0.28-0.73 gpm
(62-161 l/h)

18-25 feet
(5.5-7.6 meter)
Radius



LFX600

Dampened Rotation

25-50 psi
(1.72-3.45 bar)

0.61-2.12 gpm
(140-469 l/h)

22-31 feet
(6.7-9.4 meter)
Radius



LF1200

Impact Drive

25-60 psi
(1.72-4.2 bar)

0.97-2.53 gpm
(220-575 l/h)

22-37 feet
(6.7-11.1 meter)
Radius



LF2400

Impact Drive

25-60 psi
(1.72-4.2 bar)

1.69-4.02 gpm
(384-913 l/h)

27-45 feet
(8.1-13.5 meter)
Radius



LF2400 LR

Impact Drive

25-60 psi
(1.72-4.2 bar)

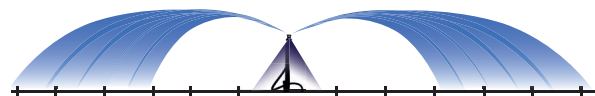
2.93-6.82 gpm
(665-1549 l/h)

38-50 feet
(11.6-15.2 meter)
Radius



Micro-Quick™ Sprays

The Micro-Quick Spray system provides a more efficient use of water, chemicals, and energy. They are the only micro-spray system available with a reversible deflector design featuring two-patterns to give more options for efficient irrigation.



Wet pattern varies by deflector pattern selected. Throw distance ranges from 3 feet (0.9 meters) diameter in pattern E and up to 28 feet (8.5 meters) diameter in pattern A.



Efficient delivery of water and chemicals to a targeted zone.



Snap together design can be ordered assembled or in parts for local assembly.



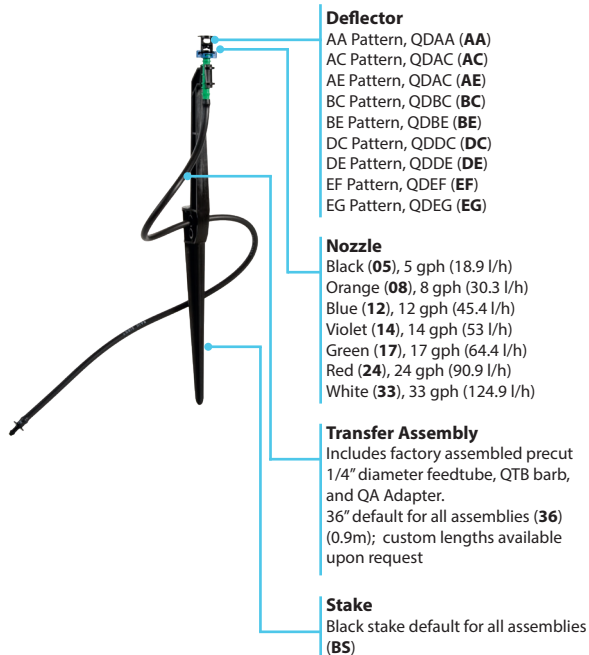
Backed by 1-year customer satisfaction warranty.

Dual Pattern Deflector

With no tools required, the convenient two-sided deflector can be flipped over to quickly change the pattern and size of the wet area.



System Components



How to Specify Assembled Spray

MQ 36 BS AA 05
Nozzle
 See options above in bold.
Deflector
 AA, AC, AE, BC, BE, DC, DE, EA, ED, EF, EG, FE, GE. Active pattern listed first.
Stake
 BS - Black Stake
Tubing Length
 36 - 36" (0.9m) Tubing. Call for custom lengths.
Model
 MQ - Micro-Quick

Micro-Quick™ Sprays

Performance Chart

					
				A 360° Star Bird™ D: ft (m)	B Butterfly LxW: ft (m)
 Black QN-05 0.026" (0.66mm) Item# Q1080005	Pressure psi (bar)	Flow Rate gph (l/h)			
	10 (0.75)	3.7 (13.8)	8.5 (2.6)	8.0x7.5 (2.4x2.3)	
	15 (1.00)	4.5 (17.2)	9.5 (2.9)	10.0x8.5 (3.0x2.6)	
	20 (1.50)	5.2 (19.8)	10.5 (3.3)	11.0x9.0 (3.3x2.7)	
	25 (1.75)	5.9 (22.3)	11.0 (3.4)	11.5x9.5 (3.5x2.9)	
	30 (2.00)	6.5 (24.5)	11.5 (3.5)	12.0x10.0 (3.7x3.0)	
 Orange QN-08 0.033" (0.84mm) Item# Q1080008	10 (0.75)	5.6 (21.0)	13.0 (3.7)	10.0x7.5 (3.0x2.3)	
	15 (1.00)	6.9 (26.3)	13.5 (3.8)	11.0x8.5 (3.5x2.6)	
	20 (1.50)	8.0 (30.1)	14.0 (4.3)	12.5x9.5 (3.8x2.9)	
	25 (1.75)	9.2 (34.6)	14.5 (4.4)	12.5x9.5 (3.8x2.9)	
	30 (2.00)	10.0 (37.8)	15.0 (4.5)	13.0x10.0 (4.0x3.0)	
 Blue QN-12 0.038" (0.97mm) Item# Q1080012	10 (0.75)	7.3 (27.6)	17.0 (5.1)	11.0x9.5 (3.4x2.9)	
	15 (1.00)	9.1 (34.5)	17.5 (5.3)	13.0x10.0 (4.0x3.0)	
	20 (1.50)	10.6 (40.0)	18.0 (5.4)	14.5x10.5 (4.4x3.2)	
	25 (1.75)	11.8 (44.7)	18.0 (5.5)	15.0x11.5 (4.6x3.5)	
	30 (2.00)	13.2 (49.9)	18.0 (5.5)	15.5x12.0 (4.7x3.7)	
 Violet QN-14 0.044" (1.12mm) Item# Q1080014	10 (0.75)	9.7 (36.5)	19.0 (5.8)	13.0x10.0 (4.0x3.0)	
	15 (1.00)	11.8 (44.6)	20.0 (6.1)	16.0x11.5 (4.9x3.5)	
	20 (1.50)	13.7 (52.0)	20.5 (6.3)	17.0x12.0 (5.2x3.7)	
	25 (1.75)	15.5 (58.7)	20.5 (6.3)	18.0x12.5 (5.5x3.8)	
	30 (2.00)	17.2 (65.0)	21.0 (6.4)	19.0x13.0 (5.8x4.0)	
 Green QN-17 0.048" (1.22mm) Item# Q1080017	10 (0.75)	10.7 (40.5)	21.0 (6.4)	15.0x10.5 (4.6x3.2)	
	15 (1.00)	13.3 (50.5)	22.0 (6.7)	15.0x12.0 (5.2x3.7)	
	20 (1.50)	15.5 (58.5)	22.5 (6.9)	19.0x12.5 (5.8x3.8)	
	25 (1.75)	17.4 (65.9)	23.0 (7.0)	20.0x13.0 (6.1x4.0)	
	30 (2.00)	19.1 (72.3)	23.5 (7.1)	21.0x13.5 (6.4x4.1)	
 Red QN-24 0.057" (1.45mm) Item# Q1080024	10 (0.75)	14.2 (53.9)	23.0 (7.1)	16.0x11.5 (4.9x3.5)	
	15 (1.00)	17.3 (65.6)	25.5 (7.8)	18.0x12.5 (5.5x3.8)	
	20 (1.50)	20.1 (76.0)	28.0 (8.2)	19.5x13.0 (5.9x4.0)	
	25 (1.75)	22.4 (84.9)	28.0 (8.5)	21.0x13.5 (6.4x4.1)	
	30 (2.00)	26.0 (98.4)	28.0 (8.5)	22.0x14.0 (6.7x4.3)	
 White QN-33 0.068" (1.73mm) Item# Q1080033	10 (0.75)	17.2 (65.1)	25.0 (7.6)	18.0x11.0 (5.5x3.4)	
	15 (1.00)	21.0 (79.5)	26.0 (7.9)	21.0x13.0 (6.4x4.0)	
	20 (1.50)	25.2 (95.3)	27.0 (8.3)	23.0x14.5 (7.0x4.4)	
	25 (1.75)	27.9 (105.7)	28.0 (8.4)	24.0x15.0 (7.3x4.6)	
	30 (2.00)	30.6 (115.7)	28.0 (8.5)	25.0x15.5 (7.6x4.7)	

					Filter Mesh (Micron)
C 120° Fan Spray R: ft (m)	D 360° 24-Stream D: ft (m)	E Down Spray D: ft (m)	F Notched D: ft (m)	G Rectangle LxW: ft (m)	
4.0 (1.2)	8.0 (2.4)	3.0 (0.9)	10.0 (3.0)	9.0x6.0 (2.7x1.8)	200 (74)
4.5 (1.4)	9.5 (2.9)	3.0 (0.9)	11.0 (3.3)	10.0x6.5 (3.0x2.0)	
5.0 (1.6)	11.0 (3.2)	3.0 (0.9)	12.0 (3.6)	11.0x7.0 (3.3x2.1)	
5.3 (1.6)	11.0 (3.4)	3.0 (0.9)	12.5 (3.8)	12.0x7.5 (3.6x2.3)	
5.5 (1.7)	11.0 (3.4)	3.0 (0.9)	13.0 (4.0)	13.0x8.0 (4.0x2.4)	
4.5 (1.4)	9.5 (2.9)	3.0 (0.9)	12.5 (3.8)	12.0x7.0 (3.6x2.1)	170 (93)
5.0 (1.5)	11.0 (3.3)	3.0 (0.9)	13.5 (4.1)	13.5x8.0 (4.1x2.4)	
5.5 (1.7)	12.5 (3.8)	3.0 (0.9)	14.0 (4.2)	15.0x9.0 (4.6x2.7)	
6.0 (1.8)	13.5 (4.0)	3.0 (0.9)	14.0 (4.2)	16.5x10.0 (5.0x3.0)	
6.5 (2.0)	14.5 (4.2)	3.0 (0.9)	14.5 (4.4)	18.0x10.5 (5.4x3.2)	
4.5 (1.4)	11.0 (3.3)	3.0 (0.9)	14.5 (4.4)	15.0x8.0 (4.6x2.4)	150 (105)
5.3 (1.6)	12.5 (3.7)	3.0 (0.9)	15.5 (4.7)	16.5x9.0 (5.0x2.7)	
6.0 (1.9)	13.5 (4.0)	3.0 (0.9)	16.0 (4.9)	18.0x9.5 (5.4x2.9)	
6.5 (2.0)	15.8 (4.8)	3.0 (0.9)	17.0 (5.1)	20.5x10.5 (6.2x3.2)	
7.0 (2.1)	18.0 (5.3)	3.0 (0.9)	17.5 (5.3)	23.0x11.0 (7.0x3.3)	
5.0 (1.5)	12.0 (3.6)	3.0 (0.9)	16.5 (5.0)	15.5x8.5 (4.7x2.6)	130 (118)
5.5 (1.7)	14.0 (4.2)	3.0 (0.9)	17.5 (5.3)	17.5x9.5 (5.3x2.9)	
6.0 (1.8)	15.5 (5.0)	3.0 (0.9)	18.5 (5.6)	19.5x10.0 (5.9x3.0)	
6.0 (1.9)	18.0 (5.5)	3.0 (0.9)	19.5 (5.9)	22.0x11.0 (6.7x3.3)	
7.0 (2.1)	20.5 (6.1)	3.0 (0.9)	20.5 (6.2)	24.0x11.5 (7.3x3.5)	
6.0 (1.8)	13.0 (4.0)	3.0 (0.9)	17.0 (5.1)	16.0x9.0 (4.9x2.7)	120 (125)
6.0 (1.8)	15.0 (4.5)	3.0 (0.9)	18.5 (5.6)	18.5x10.0 (5.6x3.0)	
6.0 (1.8)	17.0 (5.5)	3.0 (0.9)	20.0 (6.1)	20.5x10.5 (6.2x3.2)	
6.5 (2.0)	20.0 (6.0)	3.0 (0.9)	21.5 (6.5)	23.0x11.0 (7.0x3.3)	
7.0 (2.1)	23.0 (6.8)	3.0 (0.9)	23.0 (7.0)	25.0x12.0 (7.6x3.7)	
6.5 (2.0)	15.0 (4.6)	3.0 (0.9)	18.0 (5.4)	18.5x11.0 (5.6x3.3)	100 (150)
7.0 (2.1)	17.0 (5.1)	3.0 (0.9)	20.0 (6.1)	20.5x12.0 (6.2x3.7)	
7.5 (2.3)	19.0 (6.3)	3.0 (0.9)	21.5 (6.5)	22.0x13.0 (6.7x3.9)	
7.5 (2.3)	24.0 (7.0)	3.0 (0.9)	23.5 (7.1)	24.0x13.5 (7.3x4.1)	
7.5 (2.3)	25.0 (7.3)	3.0 (0.9)	25.0 (7.6)	25.5x14.0 (7.7x4.2)	
7.5 (2.3)	17.5 (5.4)	3.0 (0.9)	19.0 (5.8)	21.0x13.0 (6.4x3.9)	80 (180)
8.3 (2.5)	19.2 (5.8)	3.0 (0.9)	21.0 (6.4)	22.5x14.0 (6.9x4.2)	
9.0 (2.8)	21.0 (6.6)	3.0 (0.9)	23.0 (7.0)	23.5x14.5 (7.1x4.4)	
9.4 (2.9)	23.0 (7.1)	3.0 (0.9)	25.0 (7.6)	25.0x15.5 (7.6x4.7)	
9.5 (2.9)	25.0 (7.5)	3.0 (0.9)	27.0 (8.2)	26.0x16.0 (7.9x4.9)	

Dual Patterns Available from Factory Assembly (active pattern listed first):

AA, AC, AE

BC, BE

DC, DE

EA, ED, EF, EG

FE

GE



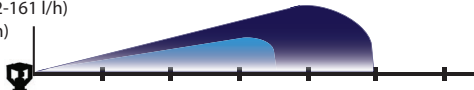
LFX™ Low Flow Sprinkler

Designed and built with efficiency in mind, the LFX Low Flow Sprinkler family features unparalleled operational flexibility with top-mounted interchangeable brake assemblies and nozzles and unmatched water distribution at all deflector trajectories.



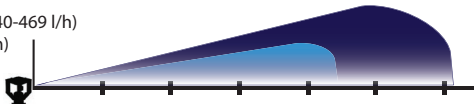
LFX300

0.28-0.73gpm (62-161 l/h)
18-25 ft (5.5-7.6m)
9°, 15°



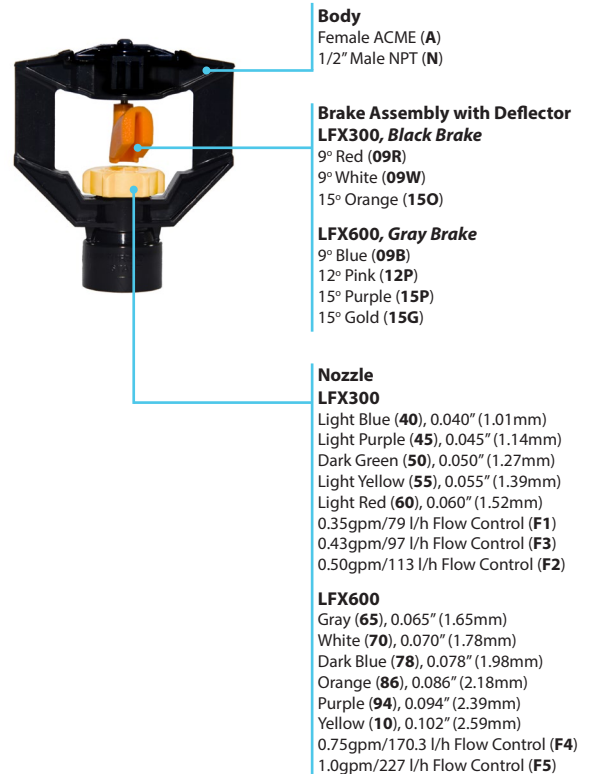
LFX600

0.61-2.12gpm (140-469 l/h)
22-31 ft (6.7-9.4m)
9°, 12°, 15°



System Components

Simple 3-part, snap-together design can be ordered factory assembled or in parts for local assembly.



How to Specify Assembled Sprinkler

LF03 A 09R 40
Nozzle
See options above in bold.
Deflector
See options above in bold.
Body
A - Female ACME
N - 1/2" Male NPT

Model

LF03 - LFX300
LF06 - LFX600



Ideal for a wide range of applications and crops.



Top-mounted brakes and nozzles; simple and fast field maintenance.



Backed by industry leading 5-year warranty.



Performance Chart

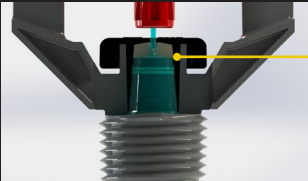
Brake with Deflector	Nozzle	Stream Height	US		
			Flow Rate and Gallons per Throw Radius		
			25psi	30psi	35psi
 9 Degree Red (09R) Item# 1804999R	Light Blue 40 0.040" (1.02mm) Item# 18116940B	 20-23 in 51-58 cm			0.28 20
	Light Purple 45 0.045" (1.14mm) Item# 18116945P	 19-25 in 48-64 cm	0.29 20	0.32 21	0.35 22
	Dark Green 50 0.050" (1.27mm) Item# 18116950G	 21-29 in 53-74 cm	0.36 21	0.40 21	0.43 22
	FC1 Flow Control 0.35 gpm/79.5 l/h Item# 18212535	 20-25 in 51-64 cm	0.35 18		
	FC3 Flow Control 0.43 gpm/97.7 l/h Item# 18212543	 20-25 in 51-64 cm	0.43 19		
 9 Degree White (09W) Item# 1804999W	Dark Green 50 0.050" (1.27mm) Item# 18116950G	 20-24 in 51-61 cm			0.43 22
	Light Yellow 55 0.055" (1.40mm) Item# 18116955Y	 17-25 in 43-64 in	0.44 21	0.48 22	0.52 24
	Light Red 60 0.060" (1.52mm) Item# 18116960R	 17-25 in 43-64 cm	0.51 23	0.56 24	0.61 24
	FC2 Flow Control 0.50 gpm/113.6 l/h Item# 18212550	 20-25 in 51-64 cm	0.50 18		
 15 Degree Orange (15W) Item# 18049915O	Dark Green 50 0.050" (1.27mm) Item# 18116950G	 34-39 in 86-99 cm			0.43 24
	Light Yellow 55 0.055" (1.40mm) Item# 18116955Y	 36-42 in 91-107 cm	0.44 25	0.48 24	0.52 24
	Light Red 60 0.060" (1.52mm) Item# 18116960R	 33-41 in 84-104 cm	0.51 24	0.56 25	0.61 25
	FC2 Flow Control 0.50 gpm/113.6 l/h Item# 18212550	 30-42 in 76-107 cm	0.50 20		

Throw Radius Minute (gpm) (feet)	Metric									
	Flow Rate and Throw Radius Liters per Hour (l/h) Throw Radius (meters)									
	40psi	45psi	50psi	1.75 bar	2 bar	2.25 bar	2.5 bar	2.75 bar	3 bar	3.25 bar
0.30	0.32	0.34				62	65	68	71	74
21	20	20				6.1	6.1	6.4	6.1	6.1
0.37	0.39	0.41				76	80	84	88	91
22	22	21				6.7	6.7	6.7	6.7	6.4
0.46	0.48	0.51				94	99	104	108	113
21	21	21				6.4	6.4	6.7	6.4	6.4
						80				
						5.5				
						98				
						6.0				
0.46	0.48	0.51				94	99	104	108	113
22	22	23				6.7	6.7	6.7	6.7	7.0
0.55	0.59	0.62				114	120	126	131	137
23	25	25				7.3	7.3	7.0	7.6	7.6
0.65	0.69	0.73				134	141	148	154	161
25	25	25				7.0	7.3	7.3	7.6	7.6
						114				
						5.5				
0.46	0.48	0.51				94	99	104	108	113
25	24	23				7.3	7.3	7.6	7.3	7.0
0.55	0.59	0.62				114	120	126	131	137
24	24	24				7.6	7.3	7.3	7.3	7.3
0.65	0.69	0.73				134	141	148	154	161
25	24	24				7.3	7.6	7.6	7.6	7.3
						114				
						6.2				

Regulate Flow with FC Flow Control Nozzles

Upgrade to FC Flow Control nozzles for consistent flow along laterals and across terrain variation:

- Avoid over or under watering
- Increase yield with regulated flow
- Simple upgrade, no tools required

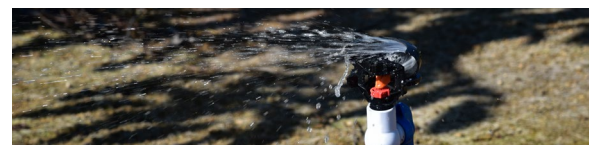


As pressure increases, the FC washer restricts flow to control output

Performance Chart

Brake with Deflector	Nozzle	Stream Height	US		
			Flow Rate and Gallons per Throw Radius		
			25psi	30psi	35psi
 9 Degree Blue (09B) Item# 1804999B	Gray 65 0.065" (1.65mm) Item# 18116965G	17-28 in 43-71 cm	0.61 23	0.67 23	0.72 24
	White 70 0.070" (1.78mm) Item# 18116970W	22-30 in 56-76 cm	0.70 24	0.77 24	0.83 24
	Dark Blue 78 0.078" (1.98mm) Item# 18116978B	22-30 in 56-76 cm	0.88 25	0.97 25	1.05 25
	FC4 Flow Control 0.75 gpm/170 l/h Item# 18212575	19-26 in 48-66 cm	0.75 22.5		
	FC5 Flow Control 1.0 gpm/227 l/h Item# 18212510	22-31 in 56-79 cm	1.0 23.5		
 12 Degree Pink (12P) Item# 18049912P	Dark Blue 78 0.078" (1.98mm) Item# 18116978B	23-31 in 58-79 cm			1.05 23
	Orange 86 0.086" (2.18mm) Item# 18116986O	22-32 in 56-81 in		1.18 26	1.27 28
	Purple 94 0.094" (2.39mm) Item# 18116995P	20-32 in 51-81 cm	1.27 26	1.39 28	1.50 29
	Yellow 10 0.102" (2.59mm) Item# 181169102Y	21-34 in 53-86 cm	1.50 27	1.65 28	1.78 30
 15 Degree Purple (15P) Item# 18049915P	Gray 65 0.065" (1.65mm) Item# 18116965G	27-41 in 69-104 cm	0.61 26	0.67 24	0.72 25
	White 70 0.070" (1.78mm) Item# 18116970W	31-44 in 79-112 cm	0.77 26	0.77 27	0.83 27
	Dark Blue 78 0.078" (1.98mm) Item# 18116978B	34-45 in 86-114 cm	0.88 28	0.97 28	1.05 29
	FC4 Flow Control 0.75 gpm/170 l/h Item# 18212575	31-42 in 79-107 cm	0.75 24		
	FC5 Flow Control 1.0 gpm/227 l/h Item# 18212510	34-44 in 86-112 cm	1.0 27.5		
 15 Degree Gold (15G) Item# 18049915G	Orange 86 0.086" (2.18mm) Item# 18116986O	27-50 in 69-127 cm	1.07 26	1.18 28	1.27 28
	Purple 94 0.094" (2.39mm) Item# 18116995P	38-49 in 97-124 cm	1.27 28	1.39 30	1.50 30
	Yellow 10 0.102" (2.59mm) Item# 181169102Y	41-53 in 104-135 cm	1.50 31	1.65 31	1.78 31

			Metric						
Throw Radius Minute (gpm) (feet)			Flow Rate and Throw Radius Liters per Hour (l/h) Throw Radius (meters)						
40psi	45psi	50psi	1.75 bar	2 bar	2.25 bar	2.5 bar	2.75 bar	3 bar	3.25 bar
0.77	0.82	0.86	140	149	158	167	175	183	190
25	25	25	7.0	7.0	7.3	7.5	7.6	7.6	7.6
0.89	0.94	0.99	161	172	182	192	202	211	219
22	22	21	6.1	6.4	6.7	6.7	6.7	6.7	6.4
1.12	1.19	1.25	203	216	230	242	254	265	276
25	25	26	7.6	7.6	7.6	7.6	7.6	7.6	7.9
			170						
			6.8						
			227						
			7.2						
1.12	1.19	1.25			230	242	254	265	276
24	25	26			7.0	7.2	7.3	7.6	7.9
1.36	1.44	1.52		263	279	294	308	322	335
29	29	29		7.9	8.5	8.7	8.8	8.8	8.8
1.61	1.70	1.80	291	311	330	347	364	381	396
1.90	2.02	2.12	7.9	8.5	8.8	8.7	8.5	8.8	8.8
1.90	2.02	2.12	344	368	390	411	431	450	469
30	29	29	8.2	8.5	9.1	9.1	9.1	8.8	8.8
0.77	0.82	0.86	140	149	158	167	175	183	190
25	27	26	7.9	7.3	7.6	7.6	7.6	8.2	7.9
0.89	0.94	0.99	161	172	182	192	202	211	219
29	29	29	7.9	8.2	8.2	8.5	8.8	8.8	8.8
1.12	1.19	1.25	203	216	230	242	254	265	276
29	29	28	8.5	8.5	8.8	8.8	8.8	8.8	8.5
			170						
			7.3						
			227						
			8.4						
1.36	1.44	1.52	246	263	279	294	308	322	335
29	29	30	7.9	8.5	8.5	8.7	8.8	8.8	9.1
1.61	1.70	1.80	291	311	330	347	364	381	396
31	31	31	8.5	9.1	9.1	9.3	9.4	9.4	9.4
1.90	2.02	2.12	344	368	390	411	431	450	469
30	30	30	9.4	9.4	9.4	9.3	9.1	9.1	9.1



Edge/Road Guard



Item# 182307EG
 Converts unit to part-circle operation. Snap-on design.

Stream Splitter One-Sided



Item# 1230610
 Creates a single dry wedge to protect adjacent tree trunk. Snap-on design.

Stream Splitter Two-Sided



Item# 1230620
 Creates two dry wedges to protect adjacent tree trunks. Snap-on design.

Universal Stake Adapter



US Item# 181179
 Fits 1/4", 5/16", 1/2", or 3/4" stakes.
Metric Item# 18210720
 Fits 6mm, 8mm, 20mm, or 25mm stakes.
 Use with ACME sprinkler body.

ACME to PVC Adapter



US Item# 181177
 Fits 1/2" or 3/4" stakes.
Metric Item# 181178
 Fits 20mm or 25mm stakes.
 Use with ACME sprinkler body.

ACME to Male NPT Adapter



3/8" Item# 182987
1/2" Item# 181175
 Use with ACME sprinkler body.

5mm Tubing

Tube Size: OD 0.300" (7.6mm), ID 0.200" (5.1mm)

PVC Assembly	Stake Tubing Assembly	Feedtube with Barb
1/2" (13mm) PVC Stake with 5mm feedtube, US Universal Stake Adapter, and barb. 30" (76cm) Lead Item# 18209130 42" (107cm) Lead Item# 18209142	Precut 5mm feedtube with US Universal Stake Adapter, and barb. 30" (76cm) Lead Item# 18208630 42" (107cm) Lead Item# 18208642	Precut 5mm feedtube with barb. 30" (76cm) Lead Item# 18208530 42" (107cm) Lead Item# 18208542
Barb for 5mm Tubing Item# 182854B	Punch Tool for 5mm Barb Item# 185858PT	Goof Plug for 5mm Barb Item# 18856P

10mm Tubing

Tube Size: OD 0.505" (12.8mm), ID 0.355" (9.0mm)

PVC Assembly	Stake Tubing Assembly	Feedtube with Barb
3/4" (19mm) PVC Stake with 10mm feedtube, US Universal Stake Adapter, and barb. 36" (91cm) Lead Item# 18292936 48" (122cm) Lead Item# 18292948	Precut 10mm feedtube with US Universal Stake Adapter, and barb. 36" (91cm) Lead Item# 18292736 48" (122cm) Lead Item# 18292748	Precut 10mm feedtube with barb. 36" (91cm) Lead Item# 18292636 48" (122cm) Lead Item# 18292648
Barb for 10mm Tubing Item# 182855B	Punch Tool for 10mm Barb Item# 185859PT	Goof Plug for 10mm Barb Item# 18857P

Stakes

Steel
1/4" (6.4mm) Diameter
 24" (61cm) Long, **Item# 18208S124**

5/16" (8mm) Diameter
 24" (61cm) Long, **Item# 18208S224**
 48" (122cm) Long, **Item# 18208S248**

Fiberglass
1/4" (6.4mm) Diameter
 24" (61cm) Long, **Item# 18208F124**

5/16" (8mm) Diameter
 24" (61cm) Long, **Item# 18208F224**

System Components

Drive Unit
LF1200 (**LF12**)
LF2400 (**LF24**)

Deflector
LF1200

6° Dark Purple (**06P**)
10° White (**10W**)
12° Cyan Blue (**12B**)
12° Pink (**12P**)
16° Red (**16R**)
17° Powder Blue (**17B**)
21° Olive Green (**21G**)

LF2400

10° Lime Green (**10L**)
13° Maroon (**13M**)
15° Tangerine (**15T**)
22° Dark Green (**22G**)

LF2400 LR
27° Black (**27B**)

Body

Standard Body Options
1/2" (13mm) NPT, Male (**N**)
23mm ACME, Male (**A**); adapter required

Custom Options
23mm ACME, Male; with 3/4" Adapter
Installed (**A** for the body and **A** at the end of the string for the adapter)
23mm ACME, Male; with Anti-Theft Feature (**AT**)

Nozzle
LF1200

Blue (**05**), 5/64", 0.078" (1.98mm)
Orange (**44**), 44 Drill, 0.086" (2.18mm)
Purple (**06**), 3/32", 0.094" (2.39mm)
Yellow (**38**), 38 Drill, 0.102" (2.59mm)
Green (**07**), 7/64", 0.109" (2.76mm)
Tan (**30**), 30 Drill, 0.117" (2.97mm)

LF2400

Green (**07**), 7/64", 0.109" (2.76mm)
Tan (**30**), 30 Drill, 0.117" (2.97mm)
Red (**08**), 1/8", 0.125" (3.18mm)
Black (**29**), 29 Drill, 0.133" (3.38mm)
Silver (**09**), 9/64", 0.141" (3.57mm)

LF2400 LR

Silver (**09**), 9/64", 0.141" (3.57mm)
Brown (**10**), 5/32", 0.156" (3.97mm)
Dark Grey (**11**), 11/64", 0.172" (4.37mm)

LF™ Series Sprinkler

Delivers precise, uniform, and unrivaled water distribution with interchangeable deflectors for full stream height flexibility.

LF1200

0.97-2.53 gpm (220-575 l/h)
22-37 ft (6.6-11.1m)
6°, 10°, 12°, 16°, 17°, 21°



LF2400

1.69-4.02 gpm (384-913 l/h)
27-45 ft (8.1-13.5m)
10°, 13°, 15°, 22°



LF2400 LR

2.93-6.82 gpm (665-1549 l/h)
38-50 ft (11.6-15.2m)
27°



Ideal for wide range of applications including irrigation, frost and weather protection.



Snap together design can be ordered assembled or in parts for local assembly.



Backed by industry leading 5-year warranty.

How to Specify Assembled Sprinkler

LF12 **A** **16R** **44**
Nozzle

See options above in bold.

Deflector

See options above in bold.

Body

A - Male ACME
N - 1/2" Male NPT

Model

LF12 - LF1200
LF24 - LF2400/LF2400 LR

Performance Chart

US

Deflector	Nozzle	Stream Height	Flow Rate and Gallons per Throw Radius			
			25psi	30psi	35psi	40psi
 6 Degree Dark Purple (06P) Item# 118285	 Orange 44 0.086" (2.18mm), 11809844	14-20 in 35-50 cm		1.17 23	1.26 23	1.35 25
	 Purple 06 0.094" (2.39mm), 11809806	14-21 in 35-53 cm	1.27 22	1.39 24	1.50 24	1.61 26
	 Yellow 38 0.102" (2.59mm), 11809838	16-21 in 40-53 cm	1.49 23	1.63 25	1.77 25	1.89 27
 10 Degree White (10W) Item# 118231	 Blue 05 0.078" (1.98mm), 11809805	19-29 in 48-73 cm		0.97 25	1.05 26	1.12 26
	 Orange 44 0.086" (2.18mm), 11809844	24-33 in 60-83 cm		1.17 25	1.26 27	1.35 27
	 Purple 06 0.094" (2.39mm), 11809806	22-34 in 55-86 cm	1.27 26	1.39 28	1.50 28	1.61 28
 12 Degree Cyan Blue (12B) Item# 118262	 Yellow 38 0.102" (2.59mm), 11809838	24-34 in 60-86 cm	1.49 27	1.63 29	1.77 28	1.89 31
	 Orange 44 0.086" (2.18mm), 11809844	28-39 in 71-99 cm		1.17 27	1.26 28	1.35 29
	 Purple 06 0.094" (2.39mm), 11809806	28-40 in 71-101 cm	1.27 27	1.39 29	1.50 30	1.61 31
 12 Degree Pink (12P) Item# 118354	 Yellow 38 0.102" (2.59mm), 11809838	30-43 in 76-109 cm	1.49 28	1.63 30	1.77 32	1.89 32
	 Green 07 0.109" (2.76mm), 11809807	30-41 in 76-104 cm	1.69 30	1.85 32	2.00 33	2.15 34
	 Tan 07 0.117" (2.97mm), 11809830	34-44 in 86-111 cm	1.97 31	2.17 33	2.35 34	2.53 35
 16 Degree Red (16R) Item# 118240	 Blue 05 0.078" (1.98mm), 11809805	46-59 in 116-149 cm				1.12 30
	 Orange 44 0.086" (2.18mm), 11809844	42-55 in 106-139 cm		1.17 31	1.26 32	1.35 32
	 Purple 06 0.094" (2.39mm), 11809806	40-55 in 101-139 cm	1.27 30	1.39 31	1.50 32	1.61 33
 17 Degree Powder Blue (17B) Item# 118226	 Yellow 38 0.102" (2.59mm), 11809838	40-55 in 101-139 cm	1.49 30	1.63 31	1.77 33	1.89 33
	 Blue 05 0.078" (1.98mm), 11809805	41-55 in 104-139 cm		0.97 27	1.05 31	1.12 30
	 Orange 44 0.086" (2.18mm), 11809844	49-60 in 124-152 cm		1.17 31	1.26 33	1.35 34
 21 Degree Olive Green (21G) Item# 118339	 Purple 06 0.094" (2.39mm), 11809806	42-61 in 106-154 cm	1.27 31	1.39 33	1.50 34	1.61 35
	 Yellow 38 0.102" (2.59mm), 11809838	43-61 in 109-154 cm	1.49 32	1.63 34	1.77 35	1.89 36
	 Orange 44 0.086" (2.18mm), 11809844	60-74 in 152-187 cm		1.17 34	1.26 34	1.35 34

Metric

Throw Radius Minute (gpm) (feet)	Flow Rate and Throw Radius Liters per Hour (l/h) Throw Radius (meters)											
	45psi	50psi	55psi	60psi	1.7 bar	2.1 bar	2.4 bar	2.8 bar	3.1 bar	3.5 bar	3.8 bar	4.2 bar
1.43	1.51	1.59	1.67		266	286	307	325	343	361	379	
25	25	26	26		6.9	6.9	7.5	7.5	7.8	7.8	7.8	
1.71	1.80	1.89	1.98	288	316	341	366	388	409	429	450	
26	28	26	27	6.6	7.2	7.2	7.8	7.8	8.4	7.8	8.1	
2.00	2.12			338	370	402	429	454	481			
27	28			6.9	7.5	7.5	8.1	8.1	8.4			
1.19	1.25	1.31	1.37		220	238	254	270	284	298	311	
27	27	27	27		7.5	7.8	7.8	8.1	8.1	8.1	8.1	
1.43	1.51	1.59	1.67		266	286	307	325	343	361	379	
28	27	30	29	7.5	8.1	8.1	8.4	8.1	9.0	8.7		
1.71	1.80	1.89	1.98	288	316	341	366	388	409	429	450	
29	29	29	29	7.8	8.4	8.4	8.7	8.7	8.7	8.7	8.7	
2.00	2.12			338	370	402	429	454	481			
30	30			8.1	8.7	8.4	9.3	9.0	9.0			
1.43	1.51	1.59	1.67		266	286	307	325	343	361	379	
29	29	30	30	8.1	8.4	8.7	8.7	8.7	9.0	9.0		
1.71	1.80	1.89	1.98	288	316	341	366	388	409	429	450	
31	31	32	32	8.1	8.7	9.0	9.3	9.3	9.4	9.6	9.6	
2.00	2.12			338	370	402	429	454	481			
32	33			8.4	9.0	9.6	9.6	9.6	9.6			
					384	420	454	488				
					9.0	9.6	9.9	10.2				
					447	493	534	575				
					9.3	9.9	10.2	10.5				
1.19	1.25	1.31	1.37					254	270	284	298	311
31	30	31	31					9.0	9.3	9.0	9.3	9.3
1.43	1.51	1.59	1.67		266	286	307	325	343	361	379	
32	32	32	32		9.3	9.6	9.6	9.6	9.6	9.6	9.6	
1.71	1.80	1.89	1.98	288	316	341	366	388	409	429	450	
33	34	34	34	9.0	9.3	9.6	9.9	9.9	10.2	10.2	10.2	
2.00	2.12			338	370	402	429	454	481			
33	32			9.0	9.3	9.9	9.9	9.9	9.6			
1.19	1.25	1.31	1.37		220	238	254	270	284	298	311	
33	33	33	33		8.1	9.3	9.0	9.9	9.9	9.9	9.9	
1.43	1.51	1.59	1.67		266	286	307	325	343	361	379	
34	34	34	33		9.3	9.9	10.2	10.2	10.2	10.2	9.9	
1.71	1.80	1.89	1.98	288	316	341	366	388	409	429	450	
36	35	36	36	9.3	9.9	10.2	10.5	10.8	10.5	10.8	10.8	
2.00	2.12			338	370	402	429	454	481			
36	37			9.6	10.2	10.5	10.8	10.8	11.1			
1.43	1.51	1.59	1.67		266	286	307	325	343	361	379	
35	35	35	35		10.2	10.2	10.2	10.5	10.5	10.5	10.5	
1.71	1.80	1.89	1.98	288	316	341	366	388	409	429	450	
35	35	35	36	9.9	10.2	10.5	10.5	10.5	10.5	10.5	10.8	
2.00	2.12			338	370	402	429	454	481			
36	36			10.2	10.5	10.8	10.8	10.8	10.8			

Performance Chart

US

Deflector	Nozzle	Stream Height	Flow Rate and Gallons per Throw Radius			
			25psi	30psi	35psi	40psi
 10 Degree Lime (10L) Item# 118599	Green 07 0.109" (2.76mm), 11809807	20-38 in 50-96 cm	1.69 27	1.85 29	2.00 30	2.15 32
	Tan 07 0.117" (2.97mm), 11809830	24-38 in 60-96 cm	1.97 29	2.17 30	2.35 32	2.53 33
	Red 08 0.125" (3.18mm), 11809808	42-41 in 60-104 cm	2.24 30	2.50 32	2.70 33	2.89 34
	Black 29 0.133" (3.38mm), 11809829	30-48 in 76-121 cm	2.52 30	2.81 32	3.03 33	3.25 35
	Silver 09 0.141" (3.57mm), 11809809	32-44 in 81-111 cm	2.93 32	3.27 34	3.53 35	3.78 36
 13 Degree Maroon (13M) Item# 118600	Green 07 0.109" (2.76mm), 11809807	28-50 in 71-127 cm	1.69 30	1.85 31	2.00 32	2.15 33
	Tan 07 0.117" (2.97mm), 11809830	30-48 in 76-121 cm	1.97 31	2.17 32	2.35 33	2.53 36
	Red 08 0.125" (3.18mm), 11809808	32-49 in 81-127 cm	2.24 31	2.50 33	2.70 34	2.89 35
	Black 29 0.133" (3.38mm), 11809829	33-50 in 86-127 cm	2.52 32	2.81 33	3.03 34	3.25 35
	Silver 09 0.141" (3.57mm), 11809809	38-54 in 96-137 cm	2.93 33	3.27 36	3.53 37	3.78 38
 15 Degree Tangerine (15T) Item# 118583	Green 07 0.109" (2.76mm), 11809807	32-50 in 81-127 cm	1.69 31	1.85 32	2.00 33	2.15 34
	Tan 07 0.117" (2.97mm), 11809830	28-50 in 71-127 cm	1.97 30	2.17 33	2.35 34	2.53 36
	Red 08 0.125" (3.18mm), 11809808	35-54 in 88-137 cm	2.24 32	2.50 34	2.70 35	2.89 37
	Black 29 0.133" (3.38mm), 11809829	40-67 in 101-170 cm	2.52 32	2.81 36	3.03 37	3.25 38
	Silver 09 0.141" (3.57mm), 11809809	42-57 in 106-144 cm	2.93 34	3.27 36	3.53 37	3.78 39
 22 Degree Dark Green (22G) Item# 118585	Green 07 0.109" (2.76mm), 11809807	63-95 in 160-241 cm	1.69 36	1.85 38	2.00 38	2.15 38
	Tan 07 0.117" (2.97mm), 11809830	64-97 in 162-246 cm	1.97 36	2.17 38	2.35 39	2.53 40
	Red 08 0.125" (3.18mm), 11809808	67-100 in 170-254 cm	2.24 36	2.50 39	2.70 40	2.89 41
	Black 29 0.133" (3.38mm), 11809829	74-120 in 287-304 cm	2.52 38	2.81 41	3.03 42	3.25 42
	Silver 09 0.141" (3.57mm), 11809809	72-102 in 182-259 cm	2.93 39	3.27 40	3.53 43	3.78 44

Metric

Throw Radius Minute (gpm) (feet)				Flow Rate and Throw Radius Liters per Hour (l/h) Throw Radius (meters)							
45psi	50psi	55psi	60psi	1.7 bar	2.1 bar	2.4 bar	2.8 bar	3.1 bar	3.5 bar	3.8 bar	4.2 bar
2.28	2.45	2.57	2.70	384	420	454	488	518	556	584	613
33	34	34	35	8.1	8.7	9.0	9.6	9.9	10.2	10.2	10.5
2.67	2.81	2.95	3.09	447	493	534	575	606	638	670	702
34	35	35	36	8.7	9.0	9.6	9.9	10.2	10.5	10.5	10.8
3.07	3.20	3.36	3.52	509	568	613	656	697	727	763	799
35	36	36	36	9.0	9.6	9.9	10.2	10.5	10.8	10.8	10.8
3.45	3.60	3.75	3.88	572	638	688	738	784	818	852	881
35	36	36	37	9.0	9.6	9.9	10.5	10.5	10.8	10.8	11.1
4.02				665	743	802	858	913			
37				9.6	10.2	10.5	10.8	11.1			
2.28	2.45	2.57	2.70	384	420	454	488	518	556	584	613
34	34	35	35	9.0	9.3	9.6	9.9	10.2	10.2	10.5	10.5
2.67	2.81	2.95	3.09	447	493	534	575	606	638	670	702
35	36	36	36	9.3	9.6	9.9	10.8	10.5	10.8	10.8	10.8
3.07	3.20	3.36	3.52	509	568	613	656	697	727	763	799
36	37	38	37	9.3	9.9	10.2	10.5	10.8	11.1	11.4	11.1
3.45	3.60	3.75	3.88	572	638	688	738	784	818	852	881
36	36	37	37	9.6	9.9	10.2	10.5	10.8	10.8	11.1	11.1
4.02				665	743	802	858	913			
39				9.9	10.8	11.1	11.4	11.7			
2.28	2.45	2.57	2.70	384	420	454	488	518	556	584	613
35	35	36	37	9.3	9.6	9.9	10.2	10.5	10.5	10.8	11.1
2.67	2.81	2.95	3.09	447	493	534	575	606	638	670	702
36	36	37	37	9.0	9.9	10.2	10.8	10.8	10.8	11.1	11.1
3.07	3.20	3.36	3.52	509	568	613	656	697	727	763	799
38	39	39	40	9.6	10.2	10.5	11.1	11.1	11.1	11.1	11.1
3.45	3.60	3.75	3.88	572	638	688	738	784	818	852	881
38	39	39	40	6.9	10.8	11.1	11.4	11.4	11.7	11.7	12.0
4.02				665	743	802	858	913			
39				10.2	10.8	11.1	11.7	11.7			
2.28	2.45	2.57	2.70	384	420	454	488	518	556	584	613
39	39	39	39	10.8	11.4	11.4	11.4	11.7	11.7	11.7	11.7
2.67	2.81	2.95	3.09	447	493	534	575	606	638	670	702
41	41	41	42	10.8	11.4	11.7	12.0	12.3	12.3	12.3	12.6
3.07	3.20	3.36	3.52	509	568	613	656	697	727	763	799
41	43	43	44	10.8	11.7	12.0	12.3	12.3	12.9	12.9	13.2
3.45	3.60	3.75	3.88	572	638	688	738	784	818	852	881
43	44	44	44	11.4	12.3	12.6	12.6	12.9	13.2	13.2	13.2
4.02				665	743	802	858	913			
45				11.7	12.0	12.9	13.2	13.5			

Performance Chart

US

Deflector	Nozzle	Stream Height	Flow Rate and Gallons per Throw Radius			
			25psi	30psi	35psi	40psi
 27 Degree Black (27B) Item# 118602	Silver 09 0.141" (3.57mm), 11809809	76-116 in 193-295 cm	2.93 38	3.27 40	3.53 40	3.78 42
	Brown 10 0.156" (3.97mm), 11809810	78-118 in 198-300 cm	3.64 38	3.99 40	4.31 42	4.60 44
	Dark Grey 11 0.172" (4.37mm), 11809811	80-120 in 203-305 cm	4.40 40	4.82 42	5.21 44	5.57 47

Metric

Throw Radius Minute (gpm) (feet)				Flow Rate and Throw Radius Liters per Hour (l/h) Throw Radius (meters)							
45psi	50psi	55psi	60psi	1.7 bar	2.1 bar	2.4 bar	2.8 bar	3.1 bar	3.5 bar	3.8 bar	4.2 bar
4.02	4.23	4.43	4.63	665	743	802	858	913	961	1006	1052
44	45	46	46	11.6	12.2	12.2	12.8	13.4	13.7	14.0	14.0
4.88	5.15	5.40	5.64	827	906	979	1045	1108	1170	1226	1281
44	45	46	46	11.6	12.2	12.8	13.4	13.4	13.7	14.0	14.0
5.91	6.23	6.53	6.82	999	1095	1183	1265	1342	1415	1483	1549
48	48	48	50	12.2	12.8	13.4	14.3	14.6	14.6	14.6	15.2

LF™ Series Accessories



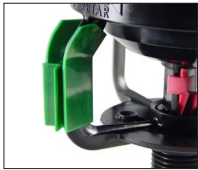
Edge/Road Guard



Item# 118366

Converts operation to part-circle. Snap-on design supports full range of deflector trajectories.

Stream Splitter



Item# 118259

Creates a single dry wedge to protect adjacent tree trunk. Two can be installed to create double-sided protection. Snap-on design.

Female ACME to Male NPT Adapter



ACMEx1/2" Item# 118292
ACMEx3/4" Item# 118297
Use with ACME sprinkler body.

ACME to Female PVC Adapter



US Item# 118328
Fits 1/2" or 3/4" stakes.
Metric Item# 118294
Fits 20mm or 25mm stakes.
Use with ACME sprinkler body.

Splash Guard



Item# 118337

Fits over the top of the sprinkler and directs water downward to protect operator during maintenance.

Anti-Theft Option



Horizontal Item# 118307
Vertical Item# 118308

Can be ordered factory installed or as spare parts for field installation. Requires Anti-theft screwdriver Item# 118317.

A legacy of agricultural innovation.

Rain Bird has a rich history serving the agricultural community. Beginning in 1933 with the invention of the original horizontal action impact drive sprinkler by a Glendora, California citrus farmer (U.S. Patent #1,997,901), Rain Bird revolutionized the food production industry and ushered in a new era in irrigation, worldwide. The original impact sprinkler was designated a historic landmark in 1990 by the American Society of Agricultural Engineers.

For over eighty years, we've been developing new and innovative products that water more intelligently and our work is not done yet. Rain Bird has been awarded hundreds of patents for innovative irrigation products and technologies that are used in over 130 countries around the world to irrigate nearly every imaginable crop. Rain Bird is committed to The Intelligent Use of Water™, bringing expertise and knowledge to further increase irrigation efficiency, minimize maintenance costs and enhance the health of crops.

Visit www.rainbird.com/ag for more information.



Rain Bird Agri-Products

970 West Sierra Madre Avenue
Azusa, CA 91702

Phone: (800) HELLO-AG
(800-435-5624)

Fax: (626) 812-3411

Rain Bird International, Inc.

1000 West Sierra Madre Avenue
Azusa, CA 91702

Phone: (626) 963-9311

Fax: (626) 852-7343

www.rainbird.com