

LF™ Series Sprinkler - LF1200



The Rain Bird® LF™ Series Sprinkler is built to withstand the harsh conditions of a variety of agricultural applications. Leveraging the advantages of an impact sprinkler, the LF Series Sprinkler offers full circle operation with stream height flexibility to deliver precise, uniform, and unrivaled water distribution.

Features

- Weighted drive unit increases dwell time between stream interruptions to maximize throw distance
- Precision Jet (PJ) spoon directs water toward the field to prevent erosion at the riser base
- Deflector's made of engineered thermoplastic for wear resistance and dimensional stability and designed with break-up features to optimize uniformity
- Consistent performance in wide temperature range: ideal for cooling or frost protection
- Snap-in-place color-coded nozzles and deflectors for simple setup and easy field identification – no tools required
- Sprinkler can be purchased assembled or separately and comprised of four simple parts: drive unit, body, deflector, and nozzle

Specifications

Operating pressure:

- 25 to 60 psi (1.7 to 4.2 bar)

Flow range:

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

Throw Radius Range

- 22 to 37 feet (6.6 to 11.1m)

Stream Height Range:

- 14 to 72 in (35 to 190 cm)

Sprinkler Body Options:

- ½" (13mm) NPT male pipe thread
- 23mm ACME male thread (requires special adapter)
- Anti-theft bodies available, sold separately

Deflector Trajectory Outlets:

- 6° Dark Purple
- 10° White
- 12° Cyan Blue
- 12° Pink
- 16° Red
- 17° Powder Blue
- 21° Olive Green

Nozzle Sizes:

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

Packaging Data

- Assembled sprinklers can be ordered in increments of 1; case quantity of 100
- Nozzles and deflectors can be ordered in increments of 200 pieces; case quantity of nozzles is 2,000, case quantity of deflectors is 1,600
- Unassembled Body and Drive Units can be ordered in increments of 1; case quantity of 100



Accessories

- Adapters available to convert ACME body to ½" or ¾" Male NPT
- Adapters available to convert ACME to female slip including: ½" and ¾" slip or 20mm and 25mm slip
- Edge guard, splash guard, and stream splitter available

How To Specify

LF12 N 06P 44

Nozzle

- 05 – Blue (5/64")
- 44 – Orange (44 Drill)
- 06 – Purple (3/32")
- 38 – Yellow (38 Drill)
- 07 – Green (7/64")
- 30 – Tan (30 Drill)

Deflector

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

Thread

- N - ½" NPT
- A - ACME

Model

LF12 - LF1200 Sprinkler

System Components



LF1200 Drive Unit
Item 118201

Also Available:
Unassembled Drive Unit with Body

NPT Body and Drive Unit
Item A85000

ACME Anti-Theft Body and Drive Unit
Item A85000AT

Deflector

- 6° Dark Purple, Item 118285
- 10° White, Item 118231
- 12° Cyan Blue, Item 118262
- 12° Pink, Item 118354
- 16° Red, Item 118240
- 17° Powder Blue, Item 118226
- 21° Olive Green, Item 118339

Body

- NPT Body, Item 118134
- ACME Body, Item 118311
- ACME Anti-theft Body, Item 118310



Anti-theft body features screws to add additional security in the field.

Nozzle

- Blue 0.078" (1.98mm, 5/64"), Item 11809805
- Orange 0.086" (2.18mm, 44 drill), Item 11809844
- Purple 0.094" (2.39mm, 3/32"), Item 11809806
- Yellow 0.102" (2.59mm, 38 drill), Item 11809838
- Green 0.109" (2.76mm, 7/64"), Item 11809807
- Tan 0.117" (2.97mm, 30 drill), Item 11809830

Adapters



ACME x Male NPT Adapter

ACME x Male 1/2" NPT, Item 118292

ACME x Male 3/4" NPT, Item 118297



ACME x Female Slip Adapter

ACME x Male 1/2" x 3/4" Socket (Gray), Item 118328

ACME x 20mm x 25mm Socket (White), Item 118294

Accessories



Edge Guard
Item 118366










Stream Splitter
Item 118259

Splash Guard
(Not shown)
Item 118337

Performance Data

US Measurements

Deflector	Nozzle	Stream Height (in.)	Flow Rate at Standard Pressures (gpm)								Model Number	
			Throw Radius at Standard Pressure (feet)								Item Number	
			25 psi	30 psi	35 psi	40 psi	45 psi	50 psi	55 psi	60 psi	NPT	ACME
	Orange (11809844) 44 Drill, 0.086"	14-20		1.17	1.26	1.35	1.43	1.51	1.59	1.67	LF12N06P44	LF12A06P44
				23	23	25	25	25	26	26	A85001B0644	A85003B0644
	Purple (11809806) 3/32", 0.094"	14-21	1.27	1.39	1.5	1.61	1.71	1.8	1.89	1.98	LF12N06P06	LF12A06P06
			22	24	24	26	26	28	26	27	A85001B0606	A85003B0606
	Yellow (11809838) 38 Drill, 0.102"	16-21	1.49	1.63	1.77	1.89	2.00	2.12			LF12N06P38	LF12A06P38
			23	25	25	27	27	28			A85001B0638	A85003B0638
	Blue (11809805) 5/64", 0.078"	19-29		0.97	1.05	1.12	1.19	1.25	1.31	1.37	LF12N10W06	LF12A10W06
				25	26	26	27	27	27	27	A85001B1006	A85003B1006
	Orange (11809844) 44 Drill, 0.086"	24-33		1.17	1.26	1.35	1.43	1.51	1.59	1.67	LF12N10W44	LF12A10W44
				25	27	27	28	27	30	29	A85001B1044	A85003B1044
	Purple (11809806) 3/32", 0.094"	22-34	1.27	1.39	1.5	1.61	1.71	1.8	1.89	1.98	LF12N10W06	LF12A10W06
			26	28	28	28	29	29	29	29	A85001B1006	A85003B1006
	Yellow (11809838) 38 Drill, 0.102"	24-34	1.49	1.63	1.77	1.89	2.00	2.12			LF12N10W38	LF12A10W38
			27	29	28	31	30	30			A85001B1038	A85003B1038
	Orange (11809844) 44 Drill, 0.086"	28-39		1.17	1.26	1.35	1.43	1.51	1.59	1.67	LF12N12B44	LF12A12B44
				27	28	29	29	29	30	30	A85001B1244	A85003B1244
	Purple (11809806) 3/32", 0.094"	28-40	1.27	1.39	1.5	1.61	1.71	1.8	1.89	1.98	LF12N12B12	LF12A12B12
			27	29	30	31	31	31	32	32	A85001B1206	A85003B1206
	Yellow (11809838) 38 Drill, 0.102"	30-43	1.49	1.63	1.77	1.89	2.00	2.12			LF12N12B38	LF12A12B38
			28	30	32	32	32	33			A85001B1238	A85003B1238
	Green (11809807) 7/64", 0.109"	30-41	1.69	1.85	2.00	2.15					LF12N12P07	LF12A12P07
			30	32	33	34					A85001B1207	A85003B1207
	Tan (11809830) 30 Drill, 0.117"	34-44	1.97	2.17	2.35	2.53					LF12N12P30	LF12A12P30
			31	33	34	35					A85001B1230	A85003B1230
	Blue (11809805) 5/64", 0.078"	46-59				1.12	1.19	1.25	1.31	1.37	LF12N16R06	LF12A16R06
						30	31	30	31	31	A85001B1606	A85003B1606
	Orange (11809844) 44 Drill, 0.086"	42-55		1.17	1.26	1.35	1.43	1.51	1.59	1.67	LF12N16R44	LF12A16R44
				31	32	32	32	32	32	32	A85001B1644	A85003B1644
	Purple (11809806) 3/32", 0.094"	40-55	1.27	1.39	1.50	1.61	1.71	1.80	1.89	1.98	LF12N16R06	LF12A16R06
			30	31	32	33	33	34	34	34	A85001B1606	A85003B1606
	Yellow (11809838) 38 Drill, 0.102"	40-55	1.49	1.63	1.77	1.89	2.00	2.12			LF12N16R38	LF12A16R38
			30	31	33	33	33	32			A85001B1638	A85003B1638
	Blue (11809805) 5/64", 0.078"	41-55		0.97	1.05	1.12	1.19	1.25	1.31	1.37	LF12N17B06	LF12A17B06
				27	31	30	33	33	33	33	A85001B1706	A85003B1706
	Orange (11809844) 44 Drill, 0.086"	49-60		1.17	1.26	1.35	1.43	1.51	1.59	1.67	LF12N17B44	LF12A17B44
				31	33	34	34	34	34	33	A85001B1744	A85003B1744
	Purple (11809806) 3/32", 0.094"	42-61	1.27	1.39	1.50	1.61	1.71	1.80	1.89	1.98	LF12N17B06	LF12A17B06
			31	33	34	35	36	35	36	36	A85001B1706	A85003B1706
	Yellow (11809838) 38 Drill, 0.102"	43-61	1.49	1.63	1.77	1.89	2.00	2.12			LF12N17B38	LF12A17B38
			32	34	35	36	36	37			A85001B1738	A85003B1738
	Orange (11809844) 44 Drill, 0.086"	60-74		1.17	1.26	1.35	1.43	1.51	1.59	1.67	LF12N21G44	LF12A21G44
				34	34	34	35	35	35	35	A85001B2144	A85003B2144
	Purple (11809806) 3/32", 0.094"	50-75	1.27	1.39	1.50	1.61	1.71	1.80	1.89	1.98	LF12N21G06	LF12A21G06
			33	34	35	35	35	35	35	36	A85001B2106	A85003B2106
	Yellow (11809838) 38 Drill, 0.102"	53-72	1.49	1.63	1.77	1.89	2.00	2.12			LF12N21G38	LF12A21G38
			34	35	36	36	36	36			A85001B2138	A85003B2138

Sprinkler riser must be stable to achieve stated performance. Performance data based on 12 inch riser.

Performance Data

Metric Measurements

Deflector	Nozzle	Stream Height (cm)	Flow Rate at Standard Pressures (l/h)								Model Number	
			Throw Radius at Standard Pressure (m)								NPT	ACME
			1.7 bar	2.1 bar	2.4 bar	2.8 bar	3.1 bar	3.5 bar	3.8 bar	4.2 bar		
6 Degree Dark Purple 118285 	Orange (11809844) 44 Drill, 0.086" 	35-50	266	286	307	325	343	361	379	LF12N06P44	LF12A06P44	
			6.9	6.9	7.5	7.5	7.8	7.8	7.8	A85001B0644	A85003B0644	
	Purple (11809806) 3/32", 0.094" 	35-53	288	316	341	366	388	409	429	450	LF12N06P06	LF12A06P06
			6.6	7.2	7.2	7.8	7.8	8.4	7.8	8.1	A85001B0606	A85003B0606
	Yellow (11809838) 38 Drill, 0.102" 	40-53	338	370	402	429	454	481	LF12N06P38	LF12A06P38		
			6.9	7.5	7.5	8.1	8.1	8.4	A85001B0638	A85003B0638		
	10 Degree White 118231 	Blue (11809805) 5/64", 0.078" 	48-73	220	238	254	270	284	298	311	LF12N10W06	LF12A10W06
				7.5	7.8	7.8	8.1	8.1	8.1	8.1	A85001B1006	A85003B1006
		Orange (11809844) 44 Drill, 0.086" 	60-83	266	286	307	325	343	361	379	LF12N10W44	LF12A10W44
7.5				8.1	8.1	8.4	8.1	9.0	8.7	A85001B1044	A85003B1044	
Purple (11809806) 3/32", 0.094" 		55-86	288	316	341	366	388	409	429	450	LF12N10W06	LF12A10W06
			7.8	8.4	8.4	8.4	8.7	8.7	8.7	A85001B1006	A85003B1006	
Yellow (11809838) 38 Drill, 0.102" 		60-86	338	370	402	429	454	481	LF12N10W38	LF12A10W38		
			8.1	8.7	8.4	9.3	9.0	9.0	A85001B1038	A85003B1038		
12 Degree Cyan Blue 118262 		Orange (11809844) 44 Drill, 0.086" 	71-99	266	286	307	325	343	361	379	LF12N12B44	LF12A12B44
	8.1			8.4	8.7	8.7	8.7	9.0	9.0	A85001B1244	A85003B1244	
	Purple (11809806) 3/32", 0.094" 	71-101	288	316	341	366	388	409	429	450	LF12N12B12	LF12A12B12
			8.1	8.7	9.0	9.3	9.3	9.39	9.6	9.6	A85001B1206	A85003B1206
	Yellow (11809838) 38 Drill, 0.102" 	76-109	338	370	402	429	454	481	LF12N12B38	LF12A12B38		
			8.4	9.0	9.6	9.6	9.6	9.6	A85001B1238	A85003B1238		
	12 Degree Pink 118354 	Green (11809807) 7/64", 0.109" 	76-104	384	420	454	488	LF12N12P07	LF12A12P07			
				9.0	9.6	9.9	10.2	A85001B1207	A85003B1207			
		Tan (11809830) 30 Drill, 0.117" 	86-111	447	493	534	575	LF12N12P30	LF12A12P30			
			9.3	9.9	10.2	10.5	A85001B1230	A85003B1230				
16 Degree Red 118240 	Blue (11809805) 5/64", 0.078" 	116-149				254	270	284	298	311	LF12N16R06	LF12A16R06
			9.0	9.3	9.0	9.3	9.3	A85001B1606	A85003B1606			
	Orange (11809844) 44 Drill, 0.086" 	106-139	266	286	307	325	343	361	379	LF12N16R44	LF12A16R44	
			9.3	9.6	9.6	9.6	9.6	9.6	9.6	A85001B1644	A85003B1644	
	Purple (11809806) 3/32", 0.094" 	101-139	288	316	341	366	388	409	429	450	LF12N16R06	LF12A16R06
			9.0	9.3	9.6	9.9	9.9	10.2	10.2	A85001B1606	A85003B1606	
	Yellow (11809838) 38 Drill, 0.102" 	101-139	338	370	402	429	454	481	LF12N16R38	LF12A16R38		
			9.0	9.3	9.9	9.9	9.9	9.6	A85001B1638	A85003B1638		
	17 Degree Powder Blue 118226 	Blue (11809805) 5/64", 0.078" 	104-139	220	238	254	270	284	298	311	LF12N17B06	LF12A17B06
8.1				9.3	9.0	9.9	9.9	9.9	9.9	A85001B1706	A85003B1706	
Orange (11809844) 44 Drill, 0.086" 		124-152	266	286	307	325	343	361	379	LF12N17B44	LF12A17B44	
			9.3	9.9	10.2	10.2	10.2	10.2	9.9	A85001B1744	A85003B1744	
Purple (11809806) 3/32", 0.094" 		106-154	288	316	341	366	388	409	429	450	LF12N17B06	LF12A17B06
			9.3	9.9	10.2	10.5	10.8	10.5	10.8	10.8	A85001B1706	A85003B1706
Yellow (11809838) 38 Drill, 0.102" 		109-154	338	370	402	429	454	481	LF12N17B38	LF12A17B38		
			9.6	10.2	10.5	10.8	10.8	11.1	A85001B1738	A85003B1738		
21 Degree Olive Green 118339 		Orange (11809844) 44 Drill, 0.086" 	152-187	266	286	307	325	343	361	379	LF12N21G44	LF12A21G44
	10.2			10.2	10.2	10.5	10.5	10.5	10.5	A85001B2144	A85003B2144	
	Purple (11809806) 3/32", 0.094" 	127-190	288	316	341	366	388	409	429	450	LF12N21G06	LF12A21G06
			9.9	10.2	10.5	10.5	10.5	10.5	10.5	10.8	A85001B2106	A85003B2106
	Yellow (11809838) 38 Drill, 0.102" 	134-182	338	370	402	429	454	481	LF12N21G38	LF12A21G38		
			10.2	10.5	10.8	10.8	10.8	10.8	A85001B2138	A85003B2138		

Sprinkler riser must be stable to achieve stated performance. Performance data based on 30cm riser.

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