

LF™ Series Sprinkler - LF2400



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 assembly 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:

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

Throw Radius Range

- 27 to 45 feet (8.1 to 13.5m)

Stream Height Range:

- 20 to 120 in (50 to 304 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:

- 10° Lime
- 13° Maroon
- 15° Tangerine
- 22° Dark Green

Nozzle Sizes:

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

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

LF24 N 22G 09

Nozzle

- 07 – Green (7/64")
- 30 – Tan (30 Drill)
- 08 – Red (1/8")
- 29 – Black (29 Drill)
- 09 – Silver (9/64")

Deflector

- 10L – 10° Lime
- 13M – 13° Maroon
- 15T – 15° Tangerine
- 22G – 22° Dark Green

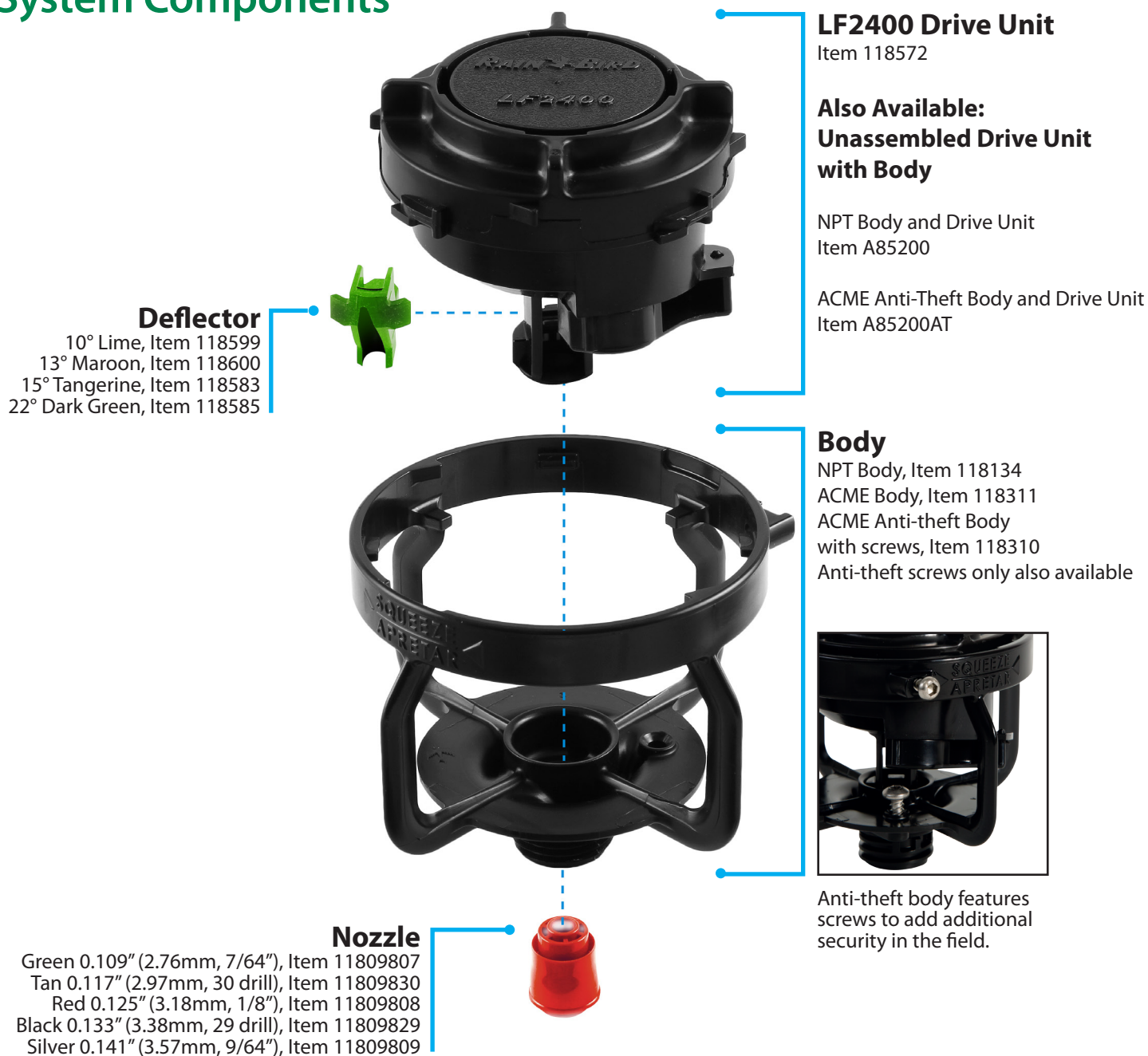
Thread

- N – ½" NPT
- A – ACME

Model

LF24 - LF2400 Sprinkler

System Components



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

Matrix of Assemblies	Deflector	Nozzle	Stream Height (in.)	Flow Rate at Standard Pressures (gpm) Throw Radius at Standard Pressure (feet)										Model Number Item Number	
				25 psi	30 psi	35 psi	40 psi	45 psi	50 psi	55 psi	60 psi	NPT		ACME	
	10 Degree Lime 118599	Green (11809807) 7/64", 0.109"	20-38	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	LF24N10L07	LF24A10L07		
				27	29	30	32	33	34	34	35	A85201C1007	A85203C1007		
		Tan (11809830) 30 Drill, 0.117"	24-38	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	LF24N10L30	LF24A10L30		
				29	30	32	33	34	35	35	36	A85201C1030	A85203C1030		
		Red (11809808) 1/8", 0.125"	42-41	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	LF24N10L08	LF24A10L08		
				30	32	33	34	35	36	36	36	A85201C1008	A85203C1008		
		Black (11809829) 29 Drill, 0.133"	30-48	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	LF24N10L29	LF24A10L29		
				30	32	33	35	35	36	36	37	A85201C1029	A85203C1029		
		Silver (11809809) 9/64", 0.141"	32-44	2.93	3.27	3.53	3.78	4.02				LF24N10L09	LF24A10L09		
				32	34	35	36	37				A85201C1009	A85203C1009		
	13 Degree Maroon 118600	Green (11809807) 7/64", 0.109"	28-50	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	LF24N13M07	LF24A13M07		
				30	31	32	33	34	34	35	35	A85201C1307	A85203C1307		
		Tan (11809830) 30 Drill, 0.117"	30-48	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	LF24N13M30	LF24A13M30		
				31	32	33	36	35	36	36	36	A85201C1330	A85203C1330		
		Red (11809808) 1/8", 0.125"	32-49	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	LF24N13M08	LF24A13M08		
				31	33	34	35	36	37	38	37	A85201C1308	A85203C1308		
		Black (11809829) 29 Drill, 0.133"	33-50	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	LF24N13M29	LF24A13M29		
				32	33	34	35	36	36	37	37	A85201C1329	A85203C1329		
		Silver (11809809) 9/64", 0.141"	38-54	2.93	3.27	3.53	3.78	4.02				LF24N13M09	LF24A13M09		
				33	36	37	38	39				A85201C1309	A85203C1309		
	15 Degree Tangerine 118583	Green (11809807) 7/64", 0.109"	32-50	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	LF24N15T07	LF24A15T07		
				31	32	33	34	35	35	36	37	A85201C1507	A85203C1507		
		Tan (11809830) 30 Drill, 0.117"	28-50	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	LF24N15T30	LF24A15T30		
				30	33	34	36	36	36	37	37	A85201C1530	A85203C1530		
		Red (11809808) 1/8", 0.125"	35-54	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	LF24N15T08	LF24A15T08		
				32	34	35	37	37	37	37	37	A85201C1508	A85203C1508		
		Black (11809829) 29 Drill, 0.133"	40-67	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	LF24N15T29	LF24A15T29		
				32	36	37	38	38	39	39	40	A85201C1529	A85203C1529		
		Silver (11809809) 9/64", 0.141"	42-57	2.93	3.27	3.53	3.78	4.02				LF24N15T09	LF24A15T09		
				34	36	37	39	39				A85201C1509	A85203C1509		
	22 Degree Dark Green 118585	Green (11809807) 7/64", 0.109"	63-95	1.69	1.85	2.00	2.15	2.28	2.45	2.57	2.70	LF24N22G07	LF24A22G07		
				36	38	38	38	39	39	39	39	A85201C2207	A85203C2207		
		Tan (11809830) 30 Drill, 0.117"	64-97	1.97	2.17	2.35	2.53	2.67	2.81	2.95	3.09	LF24N22G30	LF24A22G30		
				36	38	39	40	41	41	41	42	A85201C2230	A85203C2230		
		Red (11809808) 1/8", 0.125"	67-100	2.24	2.50	2.70	2.89	3.07	3.20	3.36	3.52	LF24N22G08	LF24A22G08		
				36	39	40	41	41	43	43	44	A85201C2208	A85203C2208		
		Black (11809829) 29 Drill, 0.133"	74-120	2.52	2.81	3.03	3.25	3.45	3.60	3.75	3.88	LF24N22G29	LF24A22G29		
				38	41	42	42	43	44	44	44	A85201C2229	A85203C2229		
		Silver (11809809) 9/64", 0.141"	72-102	2.93	3.27	3.53	3.78	4.02				LF24N22G09	LF24A22G09		
				39	40	43	44	45				A85201C2209	A85203C2209		

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

Performance Data

Metric Measurements

Matrix of Assemblies	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		
	10 Degree Lime 118599	Green (11809807) 7/64", 2.76mm	50-96	384	420	454	488	518	556	584	613	LF24N10L07	LF24A10L07
				8.1	8.7	9.0	9.6	9.9	10.2	10.2	10.5	A85201C1007	A85203C1007
		Tan (11809830) 30 Drill, 2.97mm	60-96	447	493	534	575	606	638	670	702	LF24N10L30	LF24A10L30
				8.7	9.0	9.6	9.9	10.2	10.5	10.5	10.8	A85201C1030	A85203C1030
		Red (11809808) 1/8", 3.18mm	60-104	509	568	613	656	697	727	763	799	LF24N10L08	LF24A10L08
				9.0	9.6	9.9	10.2	10.5	10.8	10.8	10.8	A85201C1008	A85203C1008
		Black (11809829) 29 Drill, 3.38mm	76-121	572	638	688	738	784	818	852	881	LF24N10L29	LF24A10L29
				9.0	9.6	9.9	10.5	10.5	10.8	10.8	11.1	A85201C1029	A85203C1029
		Silver (11809809) 9/64", 3.57mm	81-111	665	743	802	858	913				LF24N10L09	LF24A10L09
				9.6	10.2	10.5	10.8	11.1				A85201C1009	A85203C1009
	13 Degree Maroon 118600	Green (11809807) 7/64", 2.76mm	71-127	384	420	454	488	518	556	584	613	LF24N13M07	LF24A13M07
				9.0	9.3	9.6	9.9	10.2	10.2	10.5	10.5	A85201C1307	A85203C1307
		Tan (11809830) 30 Drill, 2.97mm	76-121	447	493	534	575	606	638	670	702	LF24N13M30	LF24A13M30
				9.3	9.6	9.9	10.8	10.5	10.8	10.8	10.8	A85201C1330	A85203C1330
		Red (11809808) 1/8", 3.18mm	81-127	509	568	613	656	697	727	763	799	LF24N13M08	LF24A13M08
				9.3	9.9	10.2	10.5	10.8	11.1	11.4	11.1	A85201C1308	A85203C1308
		Black (11809829) 29 Drill, 3.38mm	86-127	572	638	688	738	784	818	852	881	LF24N13M29	LF24A13M29
				9.6	9.9	10.2	10.5	10.8	10.8	11.1	11.1	A85201C1329	A85203C1329
		Silver (11809809) 9/64", 3.57mm	96-137	665	743	802	858	913				LF24N13M09	LF24A13M09
				9.9	10.8	11.1	11.4	11.7				A85201C1309	A85203C1309
	15 Degree Tangerine 118583	Green (11809807) 7/64", 2.76mm	81-127	384	420	454	488	518	556	584	613	LF24N15T07	LF24A15T07
				9.3	9.6	9.9	10.2	10.5	10.5	10.8	11.1	A85201C1507	A85203C1507
		Tan (11809830) 30 Drill, 2.97mm	71-127	447	493	534	575	606	638	670	702	LF24N15T30	LF24A15T30
				9.0	9.9	10.2	10.8	10.8	10.8	11.1	11.1	A85201C1530	A85203C1530
		Red (11809808) 1/8", 3.18mm	88-137	509	568	613	656	697	727	763	799	LF24N15T08	LF24A15T08
				9.6	10.2	10.5	11.1	11.1	11.1	11.1	11.1	A85201C1508	A85203C1508
		Black (11809829) 29 Drill, 3.38mm	101-170	572	638	688	738	784	818	852	881	LF24N15T29	LF24A15T29
				9.6	10.8	11.1	11.4	11.4	11.7	11.7	12.0	A85201C1529	A85203C1529
		Silver (11809809) 9/64", 3.57mm	106-144	665	743	802	858	913				LF24N15T09	LF24A15T09
				10.2	10.8	11.1	11.7	11.7				A85201C1509	A85203C1509
	22 Degree Dark Green 118585	Green (11809807) 7/64", 2.76mm	160-241	384	420	454	488	518	556	584	613	LF24N22G07	LF24A22G07
				10.8	11.4	11.4	11.4	11.7	11.7	11.7	11.7	A85201C2207	A85203C2207
		Tan (11809830) 30 Drill, 2.97mm	162-246	447	493	534	575	606	638	670	702	LF24N22G30	LF24A22G30
				10.8	11.4	11.7	12.0	12.3	12.3	12.3	12.6	A85201C2230	A85203C2230
		Red (11809808) 1/8", 3.18mm	170-254	509	568	613	656	697	727	763	799	LF24N22G08	LF24A22G08
				10.8	11.7	12.0	12.3	12.3	12.9	12.9	13.2	A85201C2208	A85203C2208
		Black (11809829) 29 Drill, 3.38mm	287-304	572	636	688	738	784	818	852	881	LF24N22G29	LF24A22G29
				11.4	12.3	12.6	12.6	12.9	13.2	13.2	13.2	A85201C2229	A85203C2229
		Silver (11809809) 9/64", 3.57mm	182-259	665	743	802	858	913				LF24N22G09	LF24A22G09
				11.7	12.0	12.9	13.2	13.5				A85201C2209	A85203C2209

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

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