

LFX600 Low Flow Sprinkler



LFX™ Low Flow Sprinklers were designed for unparalleled operational flexibility and unmatched uniform water distribution. The LFX600 continues that tradition by leveraging the same three part top-mounted snap-together assembly of the other models in the family, but operates with maximum flow rate up to 2.1 gpm (469 l/h). The wide operating range combined with a 31 foot (9.4 meter) throw radius make the LFX600 ideal for a wide range of agricultural applications.

Features

- Simple three part sprinkler design includes body, nozzle, and brake assembly with attached deflector
- Each nozzle and brake assembly was designed to easily be changed with other sizes or outlet trajectories to maximize operational flexibility
- Easy field maintenance with simple snap-in-place nozzle and brake assembly including visual indicators to ensure correct positioning
- Engineered to provide superior distribution uniformity for low volume applications in either an under-tree or over-head configuration
- Constructed of engineered thermoplastic materials for durability and weather resistance
- Color coded nozzles and deflectors for easy identification
- Two flow control nozzle options for consistent flow of water across the full pressure range

Applications

- For Agriculture, Greenhouse, and Nursery applications that require a small footprint or low-volume sprinkler
- Optimized for a wide variety of applications including under-tree and overhead irrigation, environmental control, crop cooling, and dust control

Accessories

- Edge guard, one-side stream splitter, two-sided stream splitter, and selection of adapters available to customize to the application
- Preassembled PVC assemblies, steel, and fiberglass stakes available
- 5mm and 10mm feedtube available in coils, precut pieces with barbs preinstalled, and precut pieces with barbs and stake adapters installed

Specifications

Operating Range:

- Pressure: 25 to 50 psi (1.72 to 3.45 bar)
- Flow rate: 0.61 to 2.12 gpm (140 to 469 l/h)
- Radius of throw: 22 to 31 feet (6.7 to 9.4 meters)

Sprinkler Body Options:

- 1/2" (13mm) NPT male pipe thread
- Female ACME thread

Deflector Trajectory Outlets:

- Deflector preassembled in brake assembly
- 9° Blue
- 12° Pink
- 15° Purple
- 15° Gold

Nozzle Sizes:

- 65 Gray (0.065", 1.65mm)
- 70 White (0.070", 1.78mm)
- 78 Dark Blue (0.078", 1.98mm)
- 86 Orange (0.086", 2.18mm)
- 94 Purple (0.094", 2.39mm)
- 102 Yellow (0.102", 2.59mm)
- F4 0.75 gpm (170.3 l/h) Flow Control
- F5 1.0 gpm (227.1 l/h) Flow Control

Packaging Data





- Sprinkler can be ordered assembled from the factory or a la carte for ultimate field flexibility
- Assembled sprinklers can be ordered in increments of 1, case quantity of 400
- Sprinkler parts sold separately vary in order increment and case quantity; Nozzles: order increment of 200, case quantity of 1,600. Brake Assemblies: order increment of 200, case quantity of 3,600. Bodies: order increment of 1, case quantity of 400
- Accessories and Mounting Options vary in order increment; Call for details.

How To Specify

LF06	N	15P	78
			Nozzle 65 – Gray 70 – White 78 – Dark Blue 86 – Orange 94 – Purple 102 – Yellow F4 – FC 0.75 gpm F5 – FC 1.0 gpm
			Deflector 09B – 9° Blue 12P – 12° Pink 15P – 15° Purple 15G – 15° Gold
			Body A – Female ACME Thread N – 1/2" Male NPT Thread
Core Family LF06 – LFX600 Sprinkler			

Performance Chart

U.S. Measurements

Matrix of Assemblies	Brake Assembly with Deflector	Nozzle	Stream Height	Flow Rates and Throw Radius at Standard Pressures						Model Number Part Numbers	
				Gallons per Minute (gpm) Throw Radius (feet)						NPT	ACME
				25 psi	30 psi	35 psi	40 psi	45 psi	50 psi		
9 Degree Blue Item# 1804999B		Gray #65 0.065" (1.651mm) Item# 18116965G	17-28 in (43-71 cm)	0.61 23	0.67 23	0.72 24	0.77 25	0.82 25	0.86 25	LF06N09B65 A85601E9B65	LF06A09B65 A85603E9B65
		White #70 0.070" (1.778mm) Item# 18116970W	22-30 in (56-76 cm)	0.70 24	0.77 24	0.83 24	0.89 25	0.94 25	0.99 26	LF06N09B70 A85601E9B70	LF06A09B70 A85603E9B70
		Dark Blue #78 0.078" (1.981mm) Item# 18116978B	22-30 in (56-76 cm)	0.88 25	0.97 25	1.05 25	1.12 25	1.19 25	1.25 26	LF06N09B78 A85601E9B78	LF06A09B78 A85603E9B78
		F4 0.75GPM/170.3LPH Item# 18212575	19-26 in (48-66 cm)	0.75 22.5						LF06N09BF4 A85601E9BF4	LF06A09BF4 A85603E9BF4
		F5 1.0GPM/227.1LPH Item# 18212510	22-31 in (56-79 cm)	1.0 23.5						LF06N09BF5 A85601E9BF5	LF06A09BF5 A85603E9BF5
12 Degree Pink Item# 18049912P		Dark Blue #78 0.078" (1.981mm) Item# 18116978B	23-31 in (58-79 cm)			1.05 23	1.12 24	1.19 25	1.25 26	LF06N12P78 A85601E12P78	LF06A12P78 A85603E12P78
		Orange #86 0.086" (2.184mm) Item# 18116986O	22-32 in (56-81 cm)		1.18 26	1.27 28	1.36 29	1.44 29	1.52 29	LF06N12P86 A85601E12P86	LF06A12P86 A85603E12P86
		Purple #94 0.094" (2.388mm) Item# 18116994P	20-32 in (51-81 cm)	1.27 26	1.39 28	1.50 29	1.61 28	1.70 29	1.80 29	LF06N12P94 A85601E12P94	LF06A12P94 A85603E12P94
		Yellow #102 0.102" (2.591mm) Item# 181169102Y	21-34 in (53-86 cm)	1.50 27	1.65 28	1.78 30	1.90 30	2.02 29	2.12 29	LF06N12P10 A85601E12P10	LF06A12P10 A85603E12P10
15 Degree Purple Item# 18049915P		Gray #65 0.065" (1.651mm) Item# 18116965G	27-41 in (69-104 cm)	0.61 26	0.67 24	0.72 25	0.77 25	0.82 27	0.86 26	LF06N15P65 A85601E15P65	LF06A15P65 A85603E15P65
		White #70 0.070" (1.778mm) Item# 18116970W	31-44 in (79-112 cm)	0.70 26	0.77 27	0.83 27	0.89 29	0.94 29	0.99 29	LF06N15P70 A85601E15P70	LF06A15P70 A85603E15P70
		Dark Blue #78 0.078" (1.981mm) Item# 18116978B	34-45 in (86-114 cm)	0.88 28	0.97 28	1.05 29	1.12 29	1.19 29	1.25 28	LF06N15P78 A85601E15P78	LF06A15P78 A85603E15P78
		F4 0.75GPM/170.3LPH Item# 18212575	31-42 in (79-107 cm)	0.75 24						LF06N15PF4 A85601E15PF4	LF06A15PF4 A85603E15PF4
		F5 1.0GPM/227.1LPH Item# 18212510	34-44 in (86-112 cm)	1.0 27.5						LF06N15PF5 A85601E15PF5	LF06A15PF5 A85603E15PF5
15 Degree Gold Item# 18049915G		Orange #86 0.086" (2.184mm) Item# 18116986O	27-50 in (69-127 cm)	1.07 26	1.18 28	1.27 28	1.36 29	1.44 29	1.52 30	LF06N15G86 A85601E15G86	LF06A15G86 A85603E15G86
		Purple #94 0.094" (2.388mm) Item# 18116994P	38-49 in (97-124 cm)	1.27 28	1.39 30	1.50 30	1.61 31	1.70 31	1.80 31	LF06N15G94 A85601E15G94	LF06A15G94 A85603E15G94
		Yellow #102 0.102" (2.591mm) Item# 181169102Y	41-53 in (104-135 cm)	1.50 31	1.65 31	1.78 31	1.90 30	2.02 30	2.12 30	LF06N15G10 A85601E15G10	LF06A15G10 A85603E15G10

System Components

- Nozzle**
- Gray 65 (0.065", 1.65mm), **Item# 18116965G**
- White 70 (0.070", 1.78mm), **Item# 18116970W**
- Dark Blue 78 (0.078", 1.98mm), **Item# 18116978B**
- Orange 86 (0.086", 2.18mm), **Item# 18116986O**
- Purple 94 (0.094", 2.39mm), **Item# 18116994P**
- Yellow 102 (0.102", 2.59mm), **Item# 181169102Y**
- F4 0.75 gpm (170.3 l/h) Flow Control, **Item# 18212575**
- F5 1.0 gpm (227.1 l/h) Flow Control, **Item# 18212510**



- Brake Assembly with Deflector**
- 9° Blue, **Item# 1804999B**
- 12° Pink, **Item# 18049912P**
- 15° Purple, **Item# 18049915P**
- 15° Gold, **Item# 18049915G**

- Body**
- Female ACME, **Item# 180502**
- 1/2" (12.7mm) Male NPT, **Item# 180474**

Performance Chart

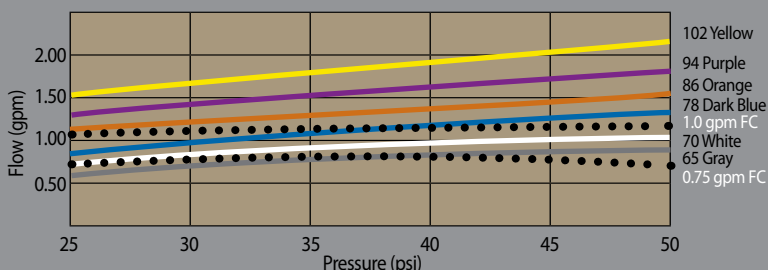
Metric Measurements

Matrix of Assemblies	Brake Assembly with Deflector	Nozzle	Stream Height	Flow Rates and Throw Radius at Standard Pressures							Model Number Part Numbers	
				Liter per Hour (l/h) Throw Radius (meters)							NPT	ACME
				1.75 bar	2 bar	2.25 bar	2.5 bar	2.75 bar	3 bar	3.25 bar		
9 Degree Blue Item# 1804999B		Gray #65 0.065" (1.651mm) Item# 18116965G	17-28 in (43-71 cm)	140 7.0	149 7.0	158 7.3	167 7.5	175 7.6	183 7.6	190 7.6	LF06N09B65 A85601E9B65	LF06A09B65 A85603E9B65
		White #70 0.070" (1.778mm) Item# 18116970W	22-30 in (56-76 cm)	161 7.3	172 7.3	182 7.3	192 7.5	202 7.6	211 7.6	219 7.9	LF06N09B70 A85601E9B70	LF06A09B70 A85603E9B70
		Dark Blue #78 0.078" (1.981mm) Item# 18116978B	22-30 in (56-76 cm)	203 7.6	216 7.6	230 7.6	242 7.6	254 7.6	265 7.6	276 7.9	LF06N09B78 A85601E9B78	LF06A09B78 A85603E9B78
		F4 0.75GPM/170.3LPH Item# 18212575	19-26 in (48-66 cm)	170 6.8							LF06N09BF4 A85601E9BF4	LF06A09BF4 A85603E9BF4
		F5 1.0GPM/227.1LPH Item# 18212510	22-31 in (56-79 cm)	227 7.2							LF06N09BF5 A85601E9BF5	LF06A09BF5 A85603E9BF5
12 Degree Pink Item# 18049912P		Dark Blue #78 0.078" (1.981mm) Item# 18116978B	23-31 in (58-79 cm)			230 7.0	242 7.2	254 7.3	265 7.6	276 7.9	LF06N12P78 A85601E12P78	LF06A12P78 A85603E12P78
		Orange #86 0.086" (2.184mm) Item# 18116986O	22-32 in (56-81 cm)		263 7.9	279 8.5	294 8.7	308 8.8	322 8.8	335 8.8	LF06N12P86 A85601E12P86	LF06A12P86 A85603E12P86
		Purple #94 0.094" (2.388mm) Item# 18116994P	20-32 in (51-81 cm)	291 7.9	311 8.5	330 8.8	347 8.7	364 8.5	381 8.8	396 8.8	LF06N12P94 A85601E12P94	LF06A12P94 A85603E12P94
		Yellow #102 0.102" (2.591mm) Item# 181169102Y	21-34 in (53-86 cm)	344 8.2	368 8.5	390 9.1	411 9.1	431 9.1	450 8.8	469 8.8	LF06N12P10 A85601E12P10	LF06A12P10 A85603E12P10
15 Degree Purple Item# 18049915P		Gray #65 0.065" (1.651mm) Item# 18116965G	27-41 in (69-104 cm)	140 7.9	149 7.3	158 7.6	167 7.6	175 7.6	183 8.2	190 7.9	LF06N15P65 A85601E15P65	LF06A15P65 A85603E15P65
		White #70 0.070" (1.778mm) Item# 18116970W	31-44 in (79-112 cm)	161 7.9	172 8.2	182 8.2	192 8.5	202 8.8	211 8.8	219 8.8	LF06N15P70 A85601E15P70	LF06A15P70 A85603E15P70
		Dark Blue #78 0.078" (1.981mm) Item# 18116978B	34-45 in (86-114 cm)	203 8.5	216 8.5	230 8.8	242 8.8	254 8.8	265 8.8	276 8.5	LF06N15P78 A85601E15P78	LF06A15P78 A85603E15P78
		F4 0.75GPM/170.3LPH Item# 18212575	31-42 in (79-107 cm)	170 7.3							LF06N15PF4 A85601E15PF4	LF06A15PF4 A85603E15PF4
		F5 1.0GPM/227.1LPH Item# 18212510	34-44 in (86-112 cm)	227 8.4							LF06N15PF5 A85601E15PF5	LF06A15PF5 A85603E15PF5
15 Degree Gold Item# 18049915G		Orange #86 0.086" (2.184mm) Item# 18116986O	27-50 in (69-127 cm)	246 7.9	263 8.5	279 8.5	294 8.7	308 8.8	322 8.8	335 9.1	LF06N15G86 A85601E15G86	LF06A15G86 A85603E15G86
		Purple #94 0.094" (2.388mm) Item# 18116994P	38-49 in (97-124 cm)	291 8.5	311 9.1	330 9.1	347 9.3	364 9.4	381 9.4	396 9.4	LF06N15G94 A85601E15G94	LF06A15G94 A85603E15G94
		Yellow #102 0.102" (2.591mm) Item# 181169102Y	41-53 in (104-135 cm)	344 9.4	368 9.4	390 9.4	411 9.3	431 9.1	450 9.1	469 9.1	LF06N15G10 A85601E15G10	LF06A15G10 A85603E15G10

SAVE WATER AND INCREASE YIELD BY REGULATING FLOW ACROSS THE ENTIRE PRESSURE RANGE

Upgrade the standard flow nozzle to the Flow Control (FC) nozzle for consistent flow along laterals and across terrain variations.

- Avoid over or under watering
- Increase yield with regulated flow
- Simple upgrade, no special tools required
- Select from 0.75 gpm (170.3 l/h) or 1.0 gpm (227.3 l/h)



ACCESSORIES

Edge/Road Guard



Converts full-circle sprinkler to part-circle operation. Supports low and high angle deflector trajectories.

Item# 182307EG

Sprinkler sold separately.

One-Sided Stream Splitter



Creates a single dry wedge in the wet area to protect tree trunk.

Item# 18230610

Sprinkler sold separately.

Two-Sided Stream Splitter



Creates two dry wedges in the wet area to protect adjacent tree trunks.

Item# 18230620

Sprinkler sold separately.

ADAPTERS

ACME Sprinkler to Universal Stake



Interchangeable stake adapter press fits to stake end.

US supports 1/4", 5/16", 1/2", or 3/4" stakes.

Item# 181179

METRIC supports 6mm, 8mm, 20mm, or 25mm stakes.

Item# 18210720

ACME Sprinkler to PVC



Connects female ACME sprinkler to PVC stake or riser.

US supports ACME to 1/2", or 3/4"; Grey.

Item# 181177

METRIC supports ACME to 20mm or 25mm; White.

Item# 181178

ACME Sprinkler to MNPT



Converts female ACME sprinkler to MNPT thread.

ACME to 3/8"

Item# 182987

ACME to 1/2"

Item# 181175

STAKES AND TUBING OPTIONS

5MM TUBING - RECOMMENDED FOR LFX300
OD 0.300" (7.6MM) ID 0.200" (5.1MM)

1/2" (13mm) PVC Assembly

Factory assembled with PVC stake, 5mm feedtube, and Universal Stake Adapter.

30" (76cm) Tubing Lead

Item# 18209130

42" (106.7cm) Tubing Lead

Item# 18209142

Barb for 5mm Tubing Item# 182854B

Pre-cut Feedtube with Barb and Stake Adapter Installed

Factory assembled 5mm feedtube, barb, and Universal Stake Adapter for use with stand-alone stake.

30" (76cm) Tubing

Item# 18208630

42" (106.7cm) Tubing

Item# 18208642

Punch Tool for 5mm Barb Item# 185858PT

Pre-cut Feedtube with Barb Installed

Factory assembled precut 5mm feedtube with barb.

30" (76cm) Tubing

Item# 18208530

42" (106.7cm) Tubing

Item# 18208542

Goof Plug for 5mm Barb Item# 182856P

Steel

1/4" Diameter

24" (61cm) long,
1/4" (6.4mm)

Diameter

Item# 182085124

5/16" Diameter

24" (61cm) long,
5/16" (8mm)

Diameter

Item# 182085224

48" (122cm) long,
5/16" (8mm)

Diameter

Item# 182085248

STAKES

10MM TUBING - RECOMMENDED FOR LFX600
OD 0.505" (12.8MM) ID 0.355" (9.0MM)

3/4" (19mm) PVC Assembly

Factory assembled with PVC stake, 10mm feedtube, and Universal Stake Adapter.

36" (91.4cm) Tubing Lead

Item# 18292936

48" (122cm) Tubing Lead

Item# 18292948

Barb for 10mm Tubing Item# 182855B

Pre-cut Feedtube with Barb and Stake Adapter Installed

Factory assembled 10mm feedtube, barb, and Universal Stake Adapter for use with stand-alone stake.

36" (91.4cm) Tubing

Item# 18292736

48" (122cm) Tubing

Item# 18292748

Punch Tool for 10mm Barb Item# 185859PT

Pre-cut Feedtube with Barb Installed

Factory assembled precut 10mm feedtube with barb.

36" (91.4cm) Tubing

Item# 18292636

48" (122cm) Tubing

Item# 18292648

Goof Plug for 10mm Barb Item# 182857P

Fiberglass

1/4" Diameter

24" (61cm) long,
1/4" (6.4mm)

Diameter

Item# 18208F124

5/16" Diameter

24" (61cm) long,
5/16" (8mm)

Diameter

Item# 18208F224

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