



FLEX800™ 35/55

Series Golf Sprinklers

Specifications

Operational

- **Inlet:**
 - FLX35: 1" ACME
 - FLX55: 1½" ACME
- **Radius:**
 - FLX35: 43' – 83'
 - FLX55: 55' – 92'
- **Flow Rate:**
 - FLX35: 8.2 – 47.3 gpm
 - FLX55: 14.1 – 61.3 gpm
- **Precipitation Rates:**
 - FLX35: Minimum - .41"/hr; Maximum - .45"/hr
 - FLX55: Minimum - .46"/hr; Maximum - .58"/hr
- **Pilot Valve:** Selectable at 50, 65, 80 and 100 psi
- **Recommended Operating Pressure Range:** 65-100 psi (maximum -150 psi and minimum - 40 psi)
- **Activation types – Electric Valve-in-Head:**
 - **Standard Solenoid:**
 - 24 VAC, 50/60 Hz
 - Inrush: 0.30 A
 - Holding 0.20 A
 - **Spike Guard Solenoid:**
 - 24 VAC, 50/60 Hz
 - Inrush: 0.12 A
 - Holding 0.10 A
 - **Nickel-Plated Spike Guard™ Solenoid:**
 - 24 VAC, 50/60 Hz
 - Inrush: 0.12 A
 - Holding 0.10 A
 - **DC Latching Solenoid (DCLS):**
 - Momentary low voltage pulse
 - **Integrated Lynx® Smart Module with DCLS:**
 - Momentary low voltage pulse
- **Trajectory:** 24 positions from 7° - 30° in 1° increments

Additional Features

- **FLX35 has eight nozzle variations** (30, 31, 32, 33, 34, 35, 36 and 37)
- **FLX55 has nine nozzle variations** (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Three in-line nozzles, rotating stream pattern
- Two back nozzle position
- Stator variations: 3
- Ratcheting riser
- Nozzle base clutching
- Optional radius reduction screw 363-4839 available for fine tuning

FLX35 Conversion Upgrade

MODELS	DESCRIPTION
• FLX35-3134	FLX35 w/31–34 Nozzles (#3 Nozzle Installed)
• FLX35-3537	FLX35 w/35–37 Nozzles (#5 Nozzle Installed)
• FLX35-3134E	FLX35 w/31–34 Nozzles (#3 Nozzle Installed), Effluent
• FLX35-3537E	FLX35 w/35–37 Nozzles (#5 Nozzle Installed), Effluent



FLX55 Conversion Upgrades — Ribbed Body

MODELS	DESCRIPTION
• FLX55-5154	FLX55 w/51–54 Nozzles (#3 Nozzle Installed)
• FLX55-5558	FLX55 w/55–58 Nozzles (#5 Nozzle Installed)
• FLX55-59	FLX55 w/59 Nozzle
• FLX55-5154E	FLX55 w/51–54 Nozzles (#3 Nozzle Installed), Effluent
• FLX55-5558E	FLX55 w/55–58 Nozzles (#5 Nozzle Installed), Effluent
• FLX55-59E	FLX55 w/59 Nozzle, Effluent
• 102-5011	690 Adapter allows you to upgrade any 690 with FLX55 conversions
• 102-0950	Required to upgrade all 650, 670, 680, 750, and 780 Series Sprinklers





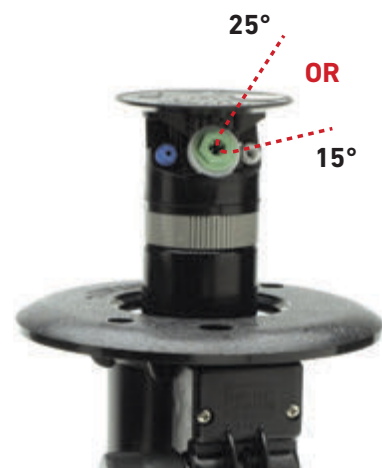
FLEX800™ 35/55 Series Golf Sprinklers

Warranty

- Three years
- Five years when installed with Toro Swing Joints

Dimensions

- **Body Flange Diameter:**
 - FLX35: 6½"
 - FLX55: 7½"
- **Body height:**
 - FLX35: 10"
 - FLX55: 11¾"
- **Weight:**
 - FLX35: 2.89 lbs.
 - FLX55: 3.57 lbs.
- **Weight Integrated Lynx Smart Module**
 - FLX35: 3.58 lbs.
 - FLX55: 4.26 lbs.
- **Pop-up height to nozzle: ¾"**



Dual Trajectory

The 25° setting provides maximum distance of throw and the 15° setting provides improved wind performance, radius reduction and obstacle avoidance.



FLX55 Conversion Upgrades — Ribless Body

MODELS	DESCRIPTION
• FLX55-5154R	FLX55 w/51-54 Nozzles (#3 Nozzle Installed)
• FLX55-5558R	FLX55 w/55-58 Nozzles (#5 Nozzle Installed)
• FLX55-59R	FLX55 w/59 Nozzle
• FLX55-5154RE	FLX55 w/51-54 Nozzles (#3 Nozzle Installed), Effluent
• FLX55-5558RE	FLX55 w/55-58 Nozzles (#5 Nozzle Installed), Effluent
• FLX55-59RE	FLX55 w/59 Nozzle, Effluent



Specifying Information — FLEX800 35/55

FLXX5-XXX-X-X					
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type	Optional
FLXX	5	XX	X	X	X
3—1" 5—1½"	5—Part-circle and Full-circle In One	FLX35 —30, 31, 32, 33, 34, 35, 36, 37 FLX55 —51, 52, 53, 54, 55, 56, 57, 58, 59	6—65 psi 8—80 psi 1—100 psi	1—Standard Solenoid 2—Spike Guard™ Solenoid 3—Nickel-plated Spike Guard Solenoid 4—DC Latching Solenoid (DCLS) 6—Integrated Lynx® Smart Module with DCLS	7—Effluent
Example: When specifying an FLX35-6 Series Sprinkler with #34 nozzle, pressure regulation at 65 psi and Spike Guard you would specify: FLX35-346-2					

Note: Not all models available.

* All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.























INF-FLX35

Performance Series Nozzles

Performance Data

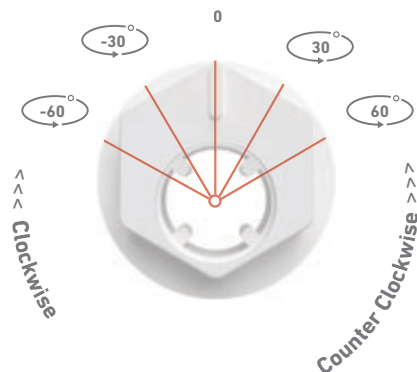


Nozzle Set (30 to 33)	Nozzle Set 30		Nozzle Set 31		Nozzle Set 32		Nozzle Set 33	
Color	 (White)		 (Yellow)		 (Blue)		 (Brown)	
Part #	102-2208		102-0725		102-0726		102-0727	
Stator #	102-6929 Blue		102-1939 White					
Front								
Color	(Yellow)	(Beige)	(Green)	(Blue)	(Green)	(Blue)	(Green)	(Blue)
Part #	102-5670	102-6942	102-6531	102-2925	102-6531	102-6947	102-6531	102-6947
Back Nozzle Positions								
Color	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335
Part Circle Dual Trajectory 35								
Pressure (PSI)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)
50	43	8.2	52	13.8	57	17.9		
65	45	10.0	55	15.9	60	20.4	65	22.6
80	46	11.5	57	17.6	63	22.7	67	24.9
100	47	13.4	58	19.6	67	25.2	70	27.8

INF-FLX35 Nozzle Apex

Pressure	Nozzle	Apex at 15°	Apex at 25°
65 psi	31	6' @ 51'	13' @ 54'
	32	6' @ 51'	11' @ 64'
	33	7' @ 59'	13' @ 68'
	34	8' @ 63'	15' @ 74'
	35	9' @ 66'	15' @ 76'
80 psi	36	8' @ 75'	18' @ 83'
	37	9' @ 74'	19' @ 82'

Nozzle Angle Installation Key

























INF-FLX35

Performance Series Nozzles



Nozzle Set (34 to 37)	Nozzle Set 34		Nozzle Set 35		Nozzle Set 36		Nozzle Set 37	
Color	 (Orange)		 (Green)		 (Gray)		 (Black)	
Part #	102-7002		102-0729		102-0730		102-4261	
Stator #	102-1939 White		118-7282 Red, Pink					
Front								
Color	(Yellow)	(Purple)	(White)	(Yellow)	(White)	(Yellow)	(White)	(Yellow)
Part #	102-5670	118-6699	102-6940	102-6946	102-6940	102-6946	102-6940	102-6946
Back Nozzle Positions								
Color	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335
Part Circle Dual Trajectory 35								
Pressure (PSI)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)
50								
65	70	25.6	75	34.2				
80	71	28.5	78	38	80	39.7	85	42.3
100	72	31.7	83	42.5	84	44.5	86	47.3

Not recommended at these pressures. Radius shown in feet. Toro® recommends the use of a 1¼" swing joint at flows over 25-gpm (95-LPM). Sprinkler radius data collected in Toro's zero wind test facility per ASAE standard S398.1. Actual site conditions must be considered when selecting the appropriate nozzle. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.



Main Nozzle Adapter (118-1521)

A wide assortment of intermediate and inner nozzles for use in the main nozzle adapter and back nozzle position provide unmatched nozzle flexibility.



Scan for Nozzle Performance Charts & Other Data



INF-FLX55

Performance Series Nozzles

Performance Data

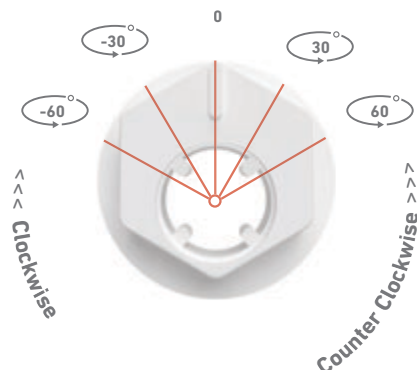


Nozzle Set (51 to 54)	Nozzle Set 51		Nozzle Set 52		Nozzle Set 53		Nozzle Set 54	
Color	(Yellow)		(Blue)		(Brown)		(Orange)	
Part #	102-0725		102-0726		102-0727		102-7002	
Stator #	102-1939 White							
Front								
Color	(Yellow)	(Brown)	(Green)	(Blue)	(Green)	(Blue)	(Yellow)	(Yellow)
Part #	102-5670	102-5671	102-6531	102-6947	102-6531	102-6947	102-5670	102-6884
Back Nozzle Positions								
Color	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)	(Red)
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335
Part Circle Dual Trajectory 55								
Pressure (PSI)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)
50	53	13.9	58	18.1				
65	55	15.3	60	20.7	65	22.9	70	25.9
80	57	17.8	64	23.1	68	25.4	71	29.0
100	59	19.8	68	25.8	72	28.6	73	32.4

INF-FLX55 Nozzle Apex

Pressure	Nozzle	Apex at 15°	Apex at 25°
65 psi	51	6' @ 51'	13' @ 54'
	52	6' @ 51'	11' @ 64'
	53	7' @ 59'	13' @ 68'
	54	8' @ 63'	15' @ 74'
	55	9' @ 66'	15' @ 76'
80 psi	56	8' @ 75'	18' @ 83'
	57	9' @ 74'	19' @ 82'
	58	10' @ 82'	18' @ 87'
	59	11' @ 81'	21' @ 91'

Nozzle Angle Installation Key





INF-FLX55

Performance Series Nozzles



Nozzle Set (55 to 59)	Nozzle Set 55		Nozzle Set 56		Nozzle Set 57		Nozzle Set 58		Nozzle Set 59	
Color										
	(Green)		(Gray)		(Black)		(Red)		(Beige)	
Part #	102-0729		102-0730		102-4261		102-4260		102-4259	
Stator #	118-7282 Red, Pink								102-1941 Red, Black (Spokes)	
Front										
	(White)	(Yellow)	(White)	(Yellow)	(White)	(Yellow)	(White)	(Yellow)	(White)	(Yellow)
Part #	102-6940	102-6946	102-6940	102-6946	102-6940	102-6946	102-6940	102-6946	102-6940	102-6946
Back Nozzle Positions										
Color	(Red)									
Part #	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335	102-4335
Part Circle Dual Trajectory 55										
Pressure (PSI)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)	Radius (FT)	Flow (GPM)
50										
65	75	34.6								
80	79	38.5	80	40.0	83	42.9	85	49.0	89	58.1
100	83	43.0	85	45.1	87	48.1	88	54.8	95	64.6

Not recommended at these pressures. Radius shown in feet. Toro® recommends the use of a 1 1/4" swing joint at flows over 25-gpm (95-LPM). Sprinkler radius data collected in Toro's zero wind test facility per ASAE standard S398.1. Actual site conditions must be considered when selecting the appropriate nozzle. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.



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