



FLEX800™ SERIES GOLF ROTORS FLX35/FLX55



Learn more at
[toro.com](https://www.toro.com)

The FLEX800 35/55 Series features a dual trajectory main nozzle that provides exceptional nozzle performance at the 25° standard angle position and great performance in windy applications at the 15° low angle position. And the part/full circle drive allows you to adjust the area of coverage to match your seasonal watering needs or meet water rationing mandates in seconds with no additional parts required.

Features & Benefits

Stainless Steel Valve Seat

Eliminates body damage from rocks and debris. This in-destructible stainless steel seat is molded to the body and virtually eliminates body replacements due to seat damage.

Ratcheting riser

Align part circle quickly and easily or adjust watering locations to suit seasonal needs.

Industry's Largest Nozzle Selection

Nozzles from 13,1m - 28,0m (43' to 92') radius plus a wide assortment of back nozzles lets you put the precise amount of water exactly where you need it. All nozzles threaded in from front.

True Part and Full-Circle in One – 40° - 330° Part Circle and 360° Full Circle


























These sprinklers can be full circle today and part circle tomorrow allowing you to adjust the area of coverage to match your seasonal needs or meet water rationing mandates.



Part/Full Circle Drive

FLEX800™ SERIES GOLF ROTORS FLX35/FLX55





























FLX35 Performance Data—25° – (Metric)

Front Nozzle Positions	Nozzle Set 30		Nozzle Set 31		Nozzle Set 32		Nozzle Set 33		Nozzle Set 34		Nozzle Set 35		Nozzle Set 36		Nozzle Set 37					
																				
	(White Plug)		(Yellow)		(Blue)		(Brown)		(Orange)		(Green)		(Gray)		(Black)					
	102-2208		102-6906		102-0726		102-6907		102-0728		102-6955		102-6935		102-6936					
																				
	102-5670	102-6942	102-5670	102-5671	102-5670	102-6884	102-5670	102-6884	102-5670	102-6884	102-5670	102-6885	102-6531	102-6885	102-6531	102-6885				
Back Nozzle Positions		 Red Plug 102-4335																		
Bar	kPa	kg/cm2	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	13,1	31,0	16,2	52,2	17,1	69,3	18,6	82,1	—	—	—	—	—	—	—	—	—	—
4,5	450	4,59	13,7	37,9	16,2	58,7	18,0	77,6	19,5	92,4	20,7	106,7	22,0	129,1	—	—	—	—	—	—
5,5	550	5,61	14,0	43,5	17,4	65,5	18,9	85,9	20,4	102,6	21,7	117,7	22,9	143,1	23,8	152,5	24,4	166,5	25,3	179,0
6,9	690	7,04	14,3	50,7	18,0	72,3	19,8	94,2	21,4	112,8	22,6	129,1	24,1	154,8	24,7	165,8	25,3	179,0	25,3	179,0

FLX35 Series Performance Chart—15°

Bar	kPa	kg/cm2	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	13,1	31,0	15,9	51,5	17,7	68,5	18,6	81,4	—	—	—	—	—	—	—	—	—	—
4,5	450	4,59	13,7	37,9	16,5	57,9	18,3	76,8	19,5	91,6	19,8	103,3	21,0	125,3	—	—	—	—	—	—
5,5	550	5,61	14,0	43,5	17,7	65,1	19,5	85,5	21,0	101,4	21,0	114,3	22,9	139,3	23,2	150,3	23,2	162,4	23,2	162,4
6,9	690	7,04	14,3	50,7	18,3	71,9	20,1	93,5	21,7	111,7	22,0	124,5	23,8	149,5	25,0	161,2	25,0	174,5	25,0	174,5
Stator			102-6929 Blue						102-1939 Yellow						102-1940 White					
Conversions			FLX35-3134												FLX35-3537					

FLX55 Performance Data—25° – (Metric)

Front Nozzle Positions	Nozzle Set 51		Nozzle Set 52		Nozzle Set 53		Nozzle Set 54		Nozzle Set 55		Nozzle Set 56		Nozzle Set 57		Nozzle Set 58		Nozzle Set 59			
																				
	(Yellow)		(Blue)		(Brown)		(Orange)		(Green)		(Gray)		(Black)		(Red)		(Beige)			
	102-6906		102-0726		102-6907		102-0728		102-6955		102-6935		102-6936		102-6909		102-4259			
																				
	102-5670	102-5671	102-5670	102-6884	102-5670	102-6884	102-5670	102-6884	102-5670	102-6885	102-6531	102-6885	102-6531	102-6885	102-6531	102-6885	102-6531	102-6885		
Back Nozzle Positions		 Red Plug 102-4335																		
Bar	kPa	kg/cm2	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	16,7	53,4	17,3	70,0	18,9	84,4	20,1	97,6	—	—	—	—	—	—	—	—	—	—
4,5	450	4,59	17,4	59,8	18,2	79,1	19,8	95,0	21,0	108,6	22,3	135,8	—	—	—	—	—	—	—	—
5,5	550	5,61	18,0	66,2	18,5	87,4	20,7	105,2	21,9	119,9	23,1	150,3	24,4	163,2	25,2	182,5	25,9	189,3	27,1	217,6
6,9	690	7,04	18,6	73	19,2	95,7	21,7	114,7	22,8	130,6	24,4	164,6	25,2	185,5	26,8	194,9	27,4	204,0	28,0	232,0

FLX55 Series Performance Chart—15°

Bar	kPa	kg/cm2	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM		
3,4	340	3,47	16,7	53,0	17,9	62,5	18,9	84,0	19,2	96,9	—	—	—	—	—	—	—	—	—	—		
4,5	450	4,59	17,1	59,0	18,8	78,3	19,8	94,6	20,1	107,9	22,8	133,6	—	—	—	—	—	—	—	—		
5,5	550	5,61	18,0	65,9	20,1	87,1	21,0	104,8	21,4	119,2	23,1	147,6	23,7	160,5	24,0	177,5	24,0	187,4	25,0	216,5		
6,9	690	7,04	18,2	72,7	20,7	95,0	21,7	114,3	22,0	129,8	24,4	158,6	24,6	184,3	25,3	192,2	25,3	202,1	25,9	230,1		
Stator			102-1939 Yellow						102-1940 White						102-1941 White							
Conversions			FLX55-5154												FLX55-5558						FLX55-59	

■ Not recommended at these pressures. Radius shown in meters.
Toro recommends the use of a 30mm swing joint at flows over 95-LPM. Sprinkler radius of throw per ASAE standard S398.1.
All sprinklers are equipped with the selectable pilot valve that allows settings at 3,4; 4,5; 5,5; and 6,9 Bar.

FLX35 Nozzle Apex—(Metric)


























Pressure	Nozzle	Apex at 15°	Apex at 25°
4,5 bar	31	1,8m @ 15,5m	4m @ 16,4m
	32	1,8m @ 15,5m	3,4m @ 19,5m
	33	2,1m @ 18m	4m @ 20,7m
	34	2,4m @ 19m	4,6m @ 22,6m
	35	2,7m @ 20m	4,6m @ 23m
5,5 bar	36	2,4m @ 22,9m	5,5m @ 25,3m
	37	2,7m @ 22,5m	5,8m @ 25m

FLX55 Nozzle Apex—(Metric)

Pressure	Nozzle	Apex at 15°	Apex at 25°
4,5 bar	51	1,8m @ 15,5m	4m @ 16,4m
	52	1,8m @ 15,5m	3,4m @ 19,5m
	53	2,1m @ 18m	4m @ 20,7m
	54	2,4m @ 19m	4,6m @ 22,6m
	55	2,7m @ 20m	4,6m @ 23m
5,5 bar	56	2,4m @ 22,9m	5,5m @ 25,3m
	57	2,7m @ 22,5m	5,8m @ 25m
	58	3m @ 25m	5,5m @ 26,5m
	59	3,4m @ 24,6m	6,4m @ 27,7m

FLEX800™ SERIES GOLF ROTORS FLX35/FLX55



























FLX35 Performance Data—25° – (U.S.)

Front Nozzle Positions	Nozzle Set 30		Nozzle Set 31		Nozzle Set 32		Nozzle Set 33		Nozzle Set 34		Nozzle Set 35		Nozzle Set 36		Nozzle Set 37	
																
	(White Plug)		(Yellow)		(Blue)		(Brown)		(Orange)		(Green)		(Gray)		(Black)	
	102-2208		102-6906		102-0726		102-6907		102-0728		102-6955		102-6935		102-6936	
																
	102-5670	102-6942	102-5670	102-5671	102-5670	102-6884	102-5670	102-6884	102-5670	102-6884	102-5670	102-6885	102-6531	102-6885	102-6531	102-6885
Back Nozzle Positions	 Red Plug 102-4335															
PSI	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM
50	43	8.2	53	13.8	56	18.3	61	21.7	65	25.3	—	—	—	—	—	—
65	45	10.0	53	15.5	59	20.5	64	24.4	68	28.2	72	34.1	—	—	—	—
80	46	11.5	57	17.3	62	22.7	67	27.1	71	31.1	75	37.8	78	40.3	80	44.0
100	47	13.4	59	19.1	65	24.9	70	29.8	74	34.1	79	40.9	81	43.8	83	47.3

FLX35 Series Performance Chart—15°

PSI	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM		
50	43	8.2	52	13.6	58	18.1	61	21.5	62	25.6	—	—	—	—	—	—		
65	45	10.0	54	15.3	60	20.3	64	24.2	65	27.3	69	33.1	—	—	—	—		
80	46	11.5	58	17.2	64	22.6	69	26.8	69	30.2	75	36.8	76	39.7	76	42.9		
100	47	13.4	60	19.0	66	24.7	71	29.5	72	32.9	78	39.5	82	42.6	82	46.1		
Stator	102-6929 Blue						102-1939 Yellow						102-1940 White					
Conversions	FLX35-3134												FLX35-3537					

FLX55 Performance Data—25° – (U.S.)

Front Nozzle Positions	Nozzle Set 51		Nozzle Set 52		Nozzle Set 53		Nozzle Set 54		Nozzle Set 55		Nozzle Set 56		Nozzle Set 57		Nozzle Set 58		Nozzle Set 59	
																		
	(Yellow)		(Blue)		(Brown)		(Orange)		(Green)		(Gray)		(Black)		(Red)		(Beige)	
	102-6906		102-0726		102-6907		102-0728		102-6955		102-6935		102-6936		102-6909		102-4259	
																		
	102-5670	102-5671	102-5670	102-6884	102-5670	102-6884	102-5670	102-6884	102-5670	102-6885	102-6531	102-6885	102-6531	102-6885	102-6531	102-6885		
Back Nozzle Positions	 Red Plug 102-4335																	
PSI	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM		
50	55	14.1	57	18.5	62	22.3	66	25.8	—	—	—	—	—	—	—	—		
65	57	15.8	60	20.9	65	25.1	69	28.7	73	35.9	—	—	—	—	—	—		
80	59	17.5	61	23.1	68	27.8	72	31.7	76	39.7	80	43.1	83	48.2	85	50.0		
100	61	19.3	63	25.3	71	30.3	75	34.5	80	43.5	83	49.0	88	51.5	90	53.9		

FLX55 Series Performance Chart—15°

PSI	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM
50	55	14.0	59	16.5	62	22.2	63	25.6	—	—	—	—	—	—	—	—
65	56	15.6	62	20.7	65	25.0	66	28.5	75	35.3	—	—	—	—	—	—
80	59	17.4	66	23.0	69	27.7	70	31.5	78	39.0	78	42.4	79	46.9	79	49.5
100	60	19.2	68	25.1	71	30.2	72	34.3	80	41.9	81	47.2	83	52.1	83	53.4
Stator	102-1939 Yellow						102-1940 White						102-1941 White			
Conversions	FLX55-5154												FLX55-5558			

■ Not recommended at these pressures.
Toro recommends the use of a 1 1/4" swing joint at flows over 25-GPM. Sprinkler radius of throw per ASAE standard S398.1.
All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.

FLX35 Nozzle Apex—(U.S.)

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'

FLX55 Nozzle Apex—(U.S.)

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'

FLEX800™ SERIES GOLF ROTORS FLX35/FLX55

FLX35 Conversion Upgrades

Models	Description
• FLX35-3134	FLX35 w/31–34 Nozzles (#33 Nozzle)
• FLX35-3537	FLX35 w/35–37 Nozzles (#35 Nozzle)



FLX55 Conversion Upgrades (Ribbed Body)

Models	Description
• FLX55-5154	FLX55 w/51–54 Nozzles (#53 Nozzle)
• FLX55-5558	FLX55 w/55–58 Nozzles (#55 Nozzle)
• FLX55-59	FLX55 w/59 Nozzle



FLX55 Conversion Upgrades (Ribless Body)

Models	Description
• FLX55-5154R	FLX55 w/51–54 Nozzles (#53 Nozzle)
• FLX55-5558R	FLX55 w/55–58 Nozzles (#55 Nozzle)
• FLX55-59R	FLX55 w/59 Nozzle



Nozzle Selection

- FLX35 has eight nozzle Variations (30, 31, 32, 33, 34, 35, 36 & 37)
- FLX55 has nine nozzle Variations (51, 52, 53, 54, 55, 56, 57, 58 & 59)
- Three in-line nozzles, Rotating stream pattern
- Two back nozzle positions

Dimensions

- Body diameter:
 - FLX35-6: 16,5cm (6.5")
 - FLX55-6: 19cm (7.5")
- Body height:
 - FLX35: 25cm (10")
 - FLX55: 29cm (11.38")
- Weight:
 - FLX35-6: 1,31kg (2.89 lbs.)
 - FLX55-6: 1,62kg (3.57 lbs.)
- Weight—Integrated GDC
 - FLX35: 1,62kg (3.57 lbs.)
 - FLX55: 1,93kg (4.26 lbs.)

Features

- Dual Trajectory adjustment on main nozzle - 25° or 15°
- Part/Full circle sprinklers
- Radius reduction screw 363-4839 for fine tuning
- Ratcheting riser
- Nozzle base clutching
- Pop-up height to nozzle: 8,25cm (3.25")

Operating Specifications

Inlet:

- FLX35: 25mm (1") ACME
- FLX55: 40mm (1.5") ACME

Radius:

- FLX35: 13,1 – 25,3m (43' – 83')
- FLX55: 16,7 – 28,0m (55' – 92')

Flow Rate:

- FLX35: 31,0 – 179,0 LPM (8.2 – 47.8 GPM)
- FLX55: 53,0 – 232,0 LPM (14.1 – 61.3 GPM)

Precipitation Rates:

- FLX35: Minimum: 10,8 mm/hr (0.43"/hr); Maximum: 19,4 mm/hr (0.76"/hr)
- FLX55: Minimum: 11,4 mm/hr (0.45"/hr); Maximum: 20,5 mm/hr (0.81"/hr)

Pilot Valve:

- Selectable at 3,4; 4,5; 5,5; and 6,9 Bar (50, 65, 80, 100 psi)

Recommended Operating Pressure Range:

- 4,5–6,9 Bar (65–100 psi)
- Maximum: 10,3 Bar (150 psi)
- Minimum: 2,8 Bar (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):

- 12 VDC pulse or latching pulse

- Integrated GDC Module w/DCLS:

- 12 VDC pulse or latching pulse

Warranty

- Two years; Five years when installed with Toro Swing Joints

Specifying Information—FLX35 & FLX55

FLX55-XXX-X				
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type
FLXX	5	XX	X	X
3–25mm (1") 5–40mm (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— 4,5 bar (65 psi) 8— 5,5 bar (80 psi) 1— 6,9 bar (100 psi)	1—Standard Solenoid 2—Spike Guard™ Solenoid 3—Nickel-plated Spike Guard Solenoid 4—DC Latching Solenoid (DCLS) 5—Integrated GDC Module w/DCLS
Example: When specifying an FLX35 Series Sprinkler with #34 nozzle, pressure regulation at 4,5 bar (65 psi) and Spike Guard you would specify: FLX35-346-2				

* All sprinklers are equipped with the selectable pilot valve that allows settings at 3,4; 4,5; 5,5; and 6,9 Bar (50, 65, 80 and 100 psi).

Note: Not all models available. Nickel-plated, corrosion-resistant models are available upon request.

toro.com

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Count on it.