

**TORO****INFINITY® SERIES GOLF ROTORS INF35/INF55
SPRINKLERS**

DUAL TRAJECTORY PROVIDES EXCEPTIONAL NOZZLE PERFORMANCE

FEATURES

The INFINITY 35/55 Series and 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.

■ **Ratcheting Riser**

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

■ **Hot Spot Watering**

Nozzle base can be turned in either direction and held to put down as much water as needed, precisely where you want it. Standard on all Toro Part circle Golf rotors!

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

These sprinklers can be 360° full circle today and part circle tomorrow allowing you to simply and economically adjust the area of coverage to match your seasonal needs or meet water rationing mandates.

■ **Dual Trajectory – 2 positions – 15° or 25°**

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



Watch INFINITY Videos:
youtube.com/ToroCompanyEurope



*INFINITY® 35/55 with
Dual Trajectory and
40°-330° circle with
Smart Access®*



*FLEX800™ 35/55 with
Dual Trajectory and
40°-330° circle*

ADDITIONAL INF35/INF55 FEATURES



INDUSTRY'S LARGEST NOZZLE SELECTION

Nozzles from 12,8m - 30,5m (42' to 100') 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 the front.



STAINLESS STEEL VALVE SEAT

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is molded to the body and virtually eliminates body replacements due to seat damage. Standard on all Toro Golf rotors!



RADIUS REDUCTION SCREW

Allows for fine tuning the radius to exactly the distance you need. In combination with main nozzle sizing and trajectory adjustment the radius reduction screw can effectively reduce the sprinkler throw down to 9,1 m (30 ft).



SMART ACCESS

Provides top accessibility to all critical components and room to grow for whatever the future holds.

ADDITIONAL FLX35/FLX55 FEATURES



INDUSTRY'S LARGEST NOZZLE SELECTION

Nozzles from 12,8m - 30,5m (42' to 100') 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 the front.



STAINLESS STEEL VALVE SEAT

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is molded to the body and virtually eliminates body replacements due to seat damage. Standard on all Toro golf rotors!



RADIUS REDUCTION SCREW

Allows for fine tuning the radius to exactly the distance you need. In combination with main nozzle sizing and trajectory adjustment the radius reduction screw can effectively reduce the sprinkler throw down to 9,1 m (30 ft).



NOZZLE BASE CLUTCHING – HOT SPOT WATERING

Nozzle base can be turned in either direction and held to put down as much water as needed, precisely where you want it. Standard on all Toro part circle golf rotors!

INF35/INF55 ACCESSORIES AND UPGRADES



INFINITY® SERIES DISTANCE MARKERS

White (118-6234) and Yellow (118-6235) color options provide excellent visibility



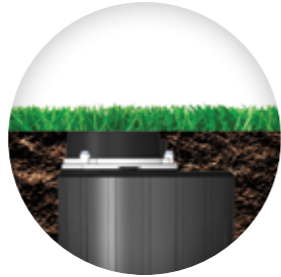
INF35 CONVERSION UPGRADES

INF35-3134
INF35-3537



INF55 CONVERSION UPGRADES

INF55-5154
INF55-5558
INF55-59



STEALTH™ KIT

STEALTH-D
Kit attaches to INFINITY Series sprinklers with dual trajectory main nozzle adjustment capability



FLX35/FLX55 ACCESSORIES AND UPGRADES



FLX35 CONVERSION UPGRADES

FLX35-3134
FLX35-3537



FLX55 CONVERSION UPGRADES - RIBBED

FLX55-5154
FLX55-5558
FLX55-59



FLX55 CONVERSION UPGRADES - RIBLESS

FLX55-5154
FLX55-5558
FLX55-59



FLEX800 TURF CUP

FLX50-RING w/ FLXINF-TURFCAP

INF35 Conversion Upgrades

Models	Description
INF35-3134	INF35 w/31-34 Nozzles (#33 Nozzle Installed)
INF35-3537	INF35 w/35-37 Nozzles (#35 Nozzle Installed)



INF55 Conversion Upgrades

Models	Description
INF55-5154	INF55 w/51-54 Nozzles (#53 Nozzle Installed)
INF55-5558	INF55 w/55-58 Nozzles (#55 Nozzle Installed)
INF55-59	INF55 w/59 Nozzle



INFINITY Cap Kit Models

Eliminates sprinkler interference and enhances course appearance
FLXINF-TURFCAP – INFINITY Turf Cup (for the riser cover)
INF21-RING – INFINITY Turf Ring (for the body cover)



STEALTH™ Kit Models

Eliminates sprinkler interference and enhances course appearance.

STEALTH-T – Kit attaches to INFINITY Series sprinklers with TruJectory™ style, 24-position main nozzle adjustment capability
STEALTH-D – Kit attaches to INFINITY Series sprinklers with dual trajectory main nozzle adjustment capability

FLEX800 Cap Kit Models

Eliminates sprinkler interference and enhances course appearance
FLXINF-TURFCAP – INFINITY Turf Cup (for the riser cover)
FLX30-RING – Artificial grass cover ring/body 1.5"
FLX50-RING – Artificial grass cover ring/body 1.5"



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



INF35/FLX35 Performance Data—25° – (Metric)

			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 102-2208		Yellow 102-6906		Blue 102-0726		Brown 102-6907		Orange 102-0728		Green 102-6955		Gray 102-6935		Black 102-6936	
Front Nozzle Positions																		
Back Nozzle Positions																		
bar	kPa	kg/cm2	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
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

INF35 Series Performance Chart—15°

bar	kPa	kg/cm2	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
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
Stator			102-6929 Blue				102-1939 White				118-7828 Red							
Conversions			INF35-3134				INF35-3134				INF35-3537							

Not recommended at these pressures. Radius shown in meters
Toro recommends the use of a 1/4" swing joint at flows over 25-gpm (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 (50, 65, 80 and 100 psi).

INF55/FLX55 Performance Data—25° – (Metric)

			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 102-6906		Blue 102-0726		Brown 102-6907		Orange 102-0728		Green 102-6955		Gray 102-6935		Black 102-6936		Red 102-6909		Beige 102-4259	
Front Nozzle Positions																				
Back Nozzle Positions																				
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

INF55 Series Performance Chart—15°

bar	kPa	kg/cm2	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 White				118-7828 Red				102-1941 Red									
Conversions			INF55-5154				INF55-5558				INF55-59									

Not recommended at these pressures. Radius shown in meters
Toro recommends the use of a 1/4" swing joint at flows over 25-gpm (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 (50, 65, 80 and 100 psi).

INF35/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

INF55/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

INF35/FLX35 Performance Data—25° – (U.S.)

			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 102-2208		Yellow 102-6906		Blue 102-0726		Brown 102-6907		Orange 102-0728		Green 102-6955		Gray 102-6935		Black 102-6936	
Front Nozzle Positions																		
Back Nozzle Positions																		
psi	Radius	gpm	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	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	47.3	

INF35/FLX35 Series Performance Chart—15°

psi	Radius	gpm	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 White				118-7828 Red							
Conversions			INF35-3134				INF35-3134				INF35-3537							

Not recommended at these pressures. Radius shown in meters
Toro recommends the use of a 1/4" swing joint at flows over 25-gpm (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 (50, 65, 80 and 100 psi).

INF55/FLX55 Performance Data—25° – (U.S.)

			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 102-6906		Blue 102-0726		Brown 102-6907		Orange 102-0728		Green 102-6955		Gray 102-6935		Black 102-6936		Red 102-6909		Beige 102-4259	
Front Nozzle Positions																				

INF35 / INF55 & FLX35 / FLX55 SPECIFICATIONS

OPERATING SPECIFICATIONS

Inlet:
 • **INF35/FLX35:** 25mm (1") ACME
 • **INF55/FLX55:** 40mm (1.5") ACME

Radius:
 • **INF35/FLX35:** 12,8 – 25,3m (43' – 83')
 • **INF55/FLX55:** 16,7 – 28,0m (55' – 92')

Flow Rate:
 • **INF35/FLX35:** 31,0 – 177,9 LPM (8.2 – 47 gpm)
 • **INF55/FLX55:** 53,0 – 232,0 LPM (14.1 – 61.3 gpm)

Precipitation Rates:
 • **INF35/FLX55:**
 Minimum: 10,8 mm/hr (0.43"/hr);
 Maximum: 19,4 mm/hr (0.76"/hr)
 • **INF55/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 and 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)

Trajectory: 25° & 15°

Activation Type

- Standard Solenoid
- Spike Guard Solenoid
- Nickel-plated Spike Guard Solenoid
- DC Latching Solenoid (DCLS) - Momentary low voltage pulse
- LYNX Smart Module with DCLS - Momentary low voltage pulse

NOZZLE SELECTION

- **INF35/FLX35** has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 & 37)
- **INF55/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
- Stator variations: 3
- Radius reduction screw 363-4839 for fine tuning

DIMENSIONS:

SMART ACCESS® Cover And Compartment Diameter:
 • **INF35:** 19,3cm (7.6")
 • **INF55:** 19,3cm (7.6")

Body height:
 • **INF35/FLX35:** 25cm (10")
 • **INF55/FLX55:** 29cm (11 3/8")

Pop-up height to nozzle: 8,25cm (3 1/4")

Weight:
 • **INF35:** 1,93kg (4.26 lb)
 • **FLX35:** 1,35kg (2.98 lb)
 • **INF55:** 2,30kg (5.08 lb)
 • **FLX55:** 1,68kg (3.70 lb)

Weight – Intergrated with LYNX Smart Module:
 • **INF35:** 2,24kg (4.95 lb)
 • **FLX35:** 1,62kg (3.58 lbs.)
 • **INF55:** 2,59kg (5.71 lb)
 • **FLX55:** 1,93kg (4.26 lbs.)

WARRANTY

Two years; Five years when installed with Toro Swing Joints

INF35 / INF55 & FLX35 / FLX55 SPECIFYING INFORMATION

INF35 & INF55

INF5-XXX-X				
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type
INF 3—1" 5—1 1/2"	5 5—Part-circle and Full-circle In One	XX INF35—30, 31, 32, 33, 34, 35, 36, 37 INF55—51, 52, 53, 54, 55, 56, 57, 58, 59	X 6— 4,5 bar (65 psi) 8— 5,5 bar (80 psi) 1— 6,9 bar (100 psi)	X 1—Standard Solenoid 2—Spike Guard™ Solenoid 3—Nickel-plated Spike Guard Solenoid 4—DC Latching Solenoid (DCLS) 6—Integrated LYNX Smart Module w/DCLS
Example: When specifying an INF35 Series Sprinkler with #34 nozzle, pressure regulation at 4,5 bar (65 psi) and Spike Guard you would specify: INF35-346-2				

* 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.

FLX35 & FLX55

FLX5-XXX-X				
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type
FLX 3—25mm (1") 5—40mm (1 1/2")	5 5—Part-circle and Full-circle In One	XX FLX35—30, 31, 32, 33, 34, 35, 36, 37 FLX55—51, 52, 53, 54, 55, 56, 57, 58, 59	X 6— 4,5 bar (65 psi) 8— 5,5 bar (80 psi) 1— 6,9 bar (100 psi)	X 1—Standard Solenoid 2—Spike Guard™ Solenoid 3—Nickel-plated Spike Guard Solenoid 4—DC Latching Solenoid (DCLS) 6—Integrated LYNX Smart 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.

