



The INFINITY® & FLEX800™ Series

SPRINKLERS **ULTIMATE**



THE BATTLE OF MAN VS. NATURE.

The St Andrews that one sees as a player is not the one we see as greenkeepers. Players here can observe a spectacle of nature, one of the world's greatest places for a round of golf.

Comprising 6,721 yards of thrilling tees, fairways and greens on a famous venue with 600 years of history, we see a pristine piece of land carved from the coastal landscape. A place where a single day can sometimes have all four seasons and where nature will take over once again the minute we stop paying attention.

It's this everyday battle that drives my team and I – fighting the elements, keeping the forces of nature at bay, while at the same time paving the way for the 50,000 rounds these holy grounds of golf host every single year. We can only achieve this with the help of highly advanced irrigation systems, like those designed by Toro®.

Choose your arsenal wisely

Players expect nothing less than perfection from St Andrews, no matter what the conditions are. They also expect to play whenever they want to. To us, this makes the INFINITY® Series from Toro® the ultimate sprinklers. They do not only play a key role in our sophisticated and extremely efficient water management, but also make our work easier as they are accessible directly from the top via Smart Access®. Just pull three screws and you can reach all crucial parts without having to put a shovel down.

When there's no downtime, there's no interruption for the players. And since we don't have to dig up the ground, there's always a flawless field to play on.

This forward thinking regarding what greenkeepers want is why we rely on Toro® here at 'The Home of Golf'.



THE SPRINKLERS YOU'D BUILD IF YOU BUILT SPRINKLERS.

One of our greatest areas of expertise is golf course irrigation. A Toro® sprinkler is always packed with ideas. Make your work count over and over with the sensational INFINITY® sprinkler family with Smart Access®.



Pilot Valve Selector

Simply turn the sprinkler on and off at the top.

GDC 2-Wire Module

Never worry about finding the decoder. And always be sure it's well protected.

Protective Enclosure

All parts and wire connections are safe from the elements.

Largest Nozzle Selection in the World

Benefit from infinite flexibility on both front and back nozzles.

Versatile Trajectory Adjustment

Perfectly adapt the sprinkler to any terrain and wind conditions.

Nozzle Base Clutching

Turn, hold and shoot to put down as much water as needed on a hot spot.

Ratcheting Riser

Define the arc of the sprinkler with a simple hand gesture.

Smart Access®

Solenoid, pilot valve and decoder all within hand's reach, no digging required.

SMART ACCESS[®] **REWARD YOURSELF BY THE SHOVEL-LOAD.**



Access all sprinkler components from the top without disturbing your turf or your golfers. Access at any time and under full water pressure.

Reduce the workload of your crew
Tasks that used to take 30 or 40 minutes are reduced to only a few with virtually no downtime.

Be ready for easy technology upgrades
INFINITY[®] has the capacity for adding new capabilities.

INFINITY® SERIES



INFINITY® 35-6/55-6
with TruJectory™ and 40°-330° circle

The INFINITY® 35-6/55-6 Series allows you to put water precisely where you want it for maximum distribution uniformity. The Part- and Full-circle drive allows you to simply and economically adjust the area of coverage to match your seasonal watering needs or meet water-rationing mandates in seconds, with no disassembly or additional parts required.

**TruJectory™ adjustment of the main nozzle –
24 positions from 7°-30°**

This patented feature puts water exactly where you want it. Adjust from the top of the sprinkler in seconds, wet or dry. This flexibility lets you tackle any obstacle on the course – wind, trees, bunkers, mounds and more.



INFINITY® 35/55
with Dual Trajectory and a 40°-330° circle

The INFINITY® 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. The Part- and Full-circle drive and ratcheting riser allow you to adjust the area of coverage to match your watering needs or to meet water-rationing mandates in seconds, with no additional parts required.

**Arc adjustment – 40°-330° and
true Full-circle in One**

One sprinkler for every location on the course. These unique sprinklers can be used in full-circle today and part-circle tomorrow.



INFINITY® 34/54
with Dual Trajectory and Full-circle

The INFINITY® 34/54 is a premium full-circle golf sprinkler series. The dual trajectory main nozzle provides exceptional nozzle performance at the 25° standard angle position and great performance in windy applications at the 15° low angle position. The consistency of the constant velocity Full-circle drive ensures even water application across the coverage area every time you water.

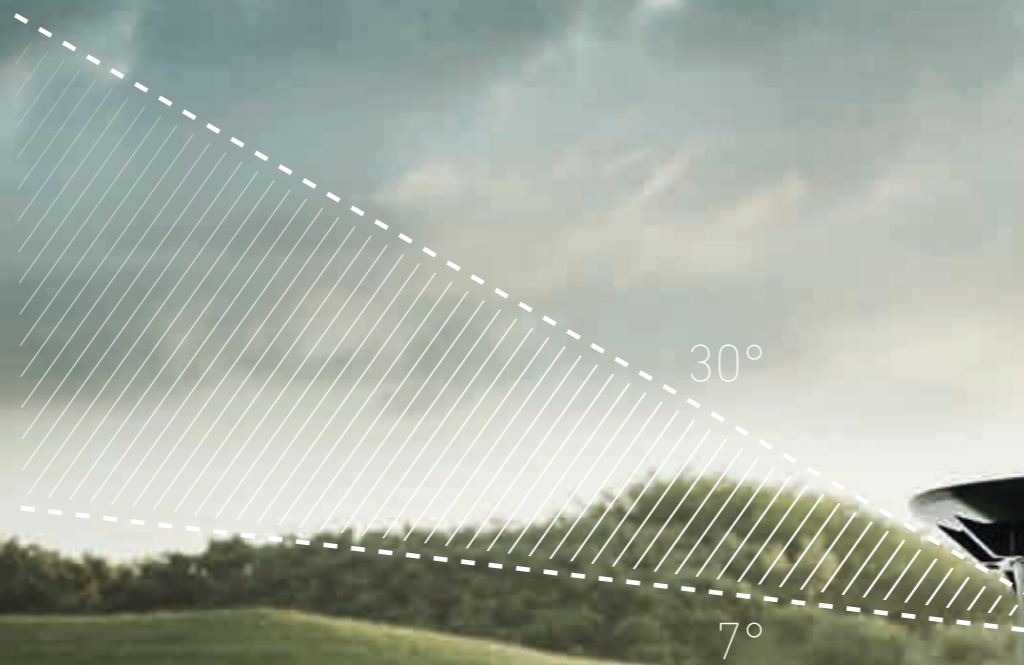
Indestructible stainless steel valve seat

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is moulded to the body and virtually eliminates body replacements due to seat damage.

THEY SAID IT
COULDN'T BE DONE
**THAT'S WHAT
MADE US DO IT.**

Curious about the overall efficiency of this system?
Take a look at page 20.

PICK THE RIGHT **PLAYERS.**



Let's face it: we actually love it when nature acts according to its own whims, whether that involves rugged terrain or unpredictable weather conditions. That's what challenges us at Toro® to find the best possible solutions for mastering these tasks.

Take our unique TruJectory™ concept, which allows you to precisely deliver water into tricky spaces. Furthermore, TruJectory™ helps to define the entire shape of a landscape. Consider, for example, a windy links golf course. Use an angle so flat that you spray underneath the wind. Simply adjust the main nozzle degree by degree to tackle any obstacle – not only wind but also trees, bunkers and mounds. Never put too much or too little water on the turf. Guarantee playability at all times.

And yes, you'll find this only in a Toro® sprinkler!

FLEX800™ SERIES



FLEX800™ 35-6/55-6
with TruJectory™ and 40°-330° circle

The FLEX800™ 35-6/55-6 Series allows you to put water precisely where you want it for maximum distribution uniformity. The Part- and Full-circle drive allows you to simply and economically adjust the area of coverage to match your seasonal watering needs or to meet water-rationing mandates in seconds, with no disassembly or additional parts required.

**TruJectory™ adjustment of the main nozzle –
24 positions from 7°-30°**

This patented feature puts water exactly where you want it. Adjust from the top of the sprinkler in seconds, wet or dry. This flexibility lets you tackle any obstacle on the course – wind, trees, bunkers, mounds and more.



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

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. The Part- and Full-circle drive and ratcheting riser allow you to adjust the area of coverage to match your watering needs or meet water-rationing mandates in seconds, with no additional parts required.

**Arc adjustment – 40°-330° and
true Full-circle in One**

One sprinkler for every location on the course. These unique sprinklers can be a full-circle today and part-circle tomorrow.



FLEX800™ 34/54
with Dual Trajectory and Full-circle

The FLEX800™ 34/54 is the Toro® premium full-circle golf sprinkler series. The dual trajectory main nozzle provides exceptional nozzle performance at the 25° standard angle position and great performance in windy applications at the 15° low angle position. The consistency of the constant velocity Full-circle drive ensures even water application across the coverage area each time you water.

Indestructible stainless steel valve seat

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is moulded to the body and virtually eliminates body replacements due to seat damage.

ENTER
HIGH-END.

FLEX800™ B-SERIES

FOR THE
CONNOISSEURS
**OF THE GOOD
AND SIMPLE.**



FLEX800™ B-Series FLX35-6B
with TruJectory™ and 40°-330° circle

The B-Series is specifically designed for block systems. With their small exposed diameters, these sprinklers are not visible on the course. Yet they are equipped with all the functionality Toro® sprinklers have to offer while being subtly hidden on the turf. The B-Series is perfect for high traffic areas like tees, greens and surrounds.

**TruJectory™ adjustment of the main nozzle –
24 positions from 7°-30°**

This patented feature puts water exactly where you want it. Adjust from the top of the sprinkler in seconds, wet or dry. This flexibility lets you tackle every obstacle on the course – wind, trees, bunkers, mounds and more.



FLEX800™ B-Series FLX35B
with Dual Trajectory and 40°-330° circle

Put the water exactly where you need it and nowhere it doesn't belong. With the Arc Adjustment and the ratcheting riser, you can easily determine the circle and the position of your irrigation in next to no time. The two trajectory angles allow you to spray underneath the wind or to employ a higher arc.

**Arc adjustment – 40°-330° and
true Full-circle in One**

One sprinkler for every location on the course. These unique sprinklers can be a full-circle today and a part-circle tomorrow.



FLEX800™ B-Series FLX34B
with Dual Trajectory and Full-circle

The Constant Velocity Full-circle drive ensures consistent rotation speeds for even water application across the coverage area. This sprinkler is the correct choice for plain areas where a reliable water supply is needed.

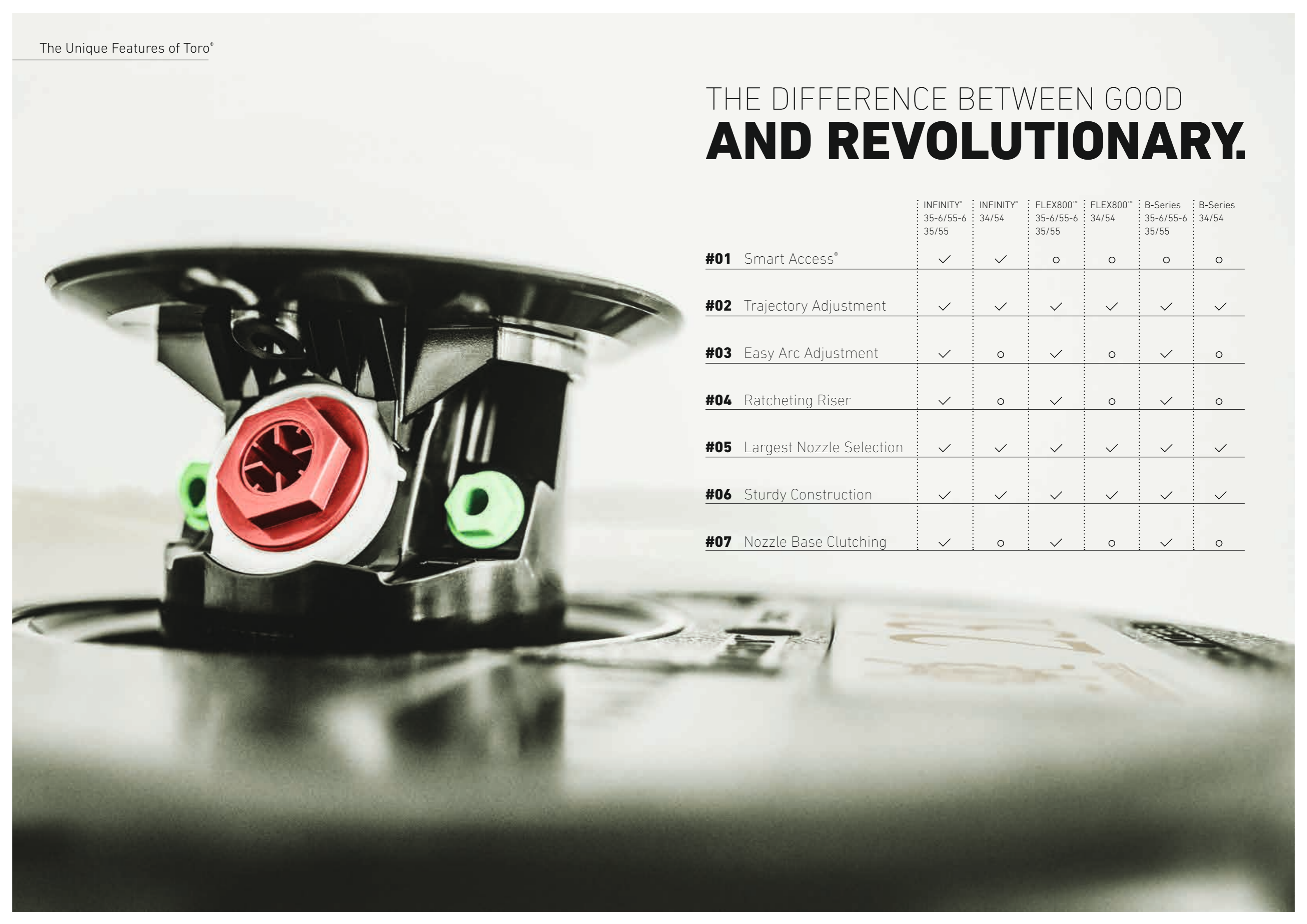
Indestructible stainless steel valve seat

Eliminates body damage from rocks and debris. This indestructible stainless steel seat is moulded to the body and virtually eliminates body replacements due to seat damage.



THE DIFFERENCE BETWEEN GOOD AND REVOLUTIONARY.

	INFINITY® 35-6/55-6 35/55	INFINITY® 34/54	FLEX800™ 35-6/55-6 35/55	FLEX800™ 34/54	B-Series 35-6/55-6 35/55	B-Series 34/54
#01 Smart Access®	✓	✓	○	○	○	○
#02 Trajectory Adjustment	✓	✓	✓	✓	✓	✓
#03 Easy Arc Adjustment	✓	○	✓	○	✓	○
#04 Ratcheting Riser	✓	○	✓	○	✓	○
#05 Largest Nozzle Selection	✓	✓	✓	✓	✓	✓
#06 Sturdy Construction	✓	✓	✓	✓	✓	✓
#07 Nozzle Base Clutching	✓	○	✓	○	✓	○



INVEST MORE TO **SPEND LESS.**

Our holistic philosophy includes economic as well as environmental aspects of turf maintenance. Nature must be preserved at all costs. Our developments ensure that costs are kept at bay in the long-run. Outstanding quality and reliable service always pays off.

THE 6 RULES OF **TORO® EFFICIENCY.**

1. Toro® makes the players happy

Digging up sprinklers can leave unsightly scars on the turf and can even disrupt play. If there's no disturbance, more players can play more golf.

2. Toro® makes your crew happy

Instead of a shovel, all you need is a screwdriver to access sprinkler components for maintenance. This efficiency adds up, providing your crew with more time for other tasks on the golf course.

3. Toro® makes your club happy

The INFINITY® Series bodies use risers from the existing Toro® 800S Series and DT Series sprinklers; as such, you can keep your costs down while gaining the Smart Access® advantage.

4. Toro® makes everyone happy in the future

Technological advancements are no longer associated with new sprinklers. Simply add new components to your INFINITY® with a minimum of installation work.

5. Toro® makes the environment happy

What you get with a Toro® system is highly efficient energy and water tools; state-of-the-art technology that provides sustainable solutions for using resources responsibly.

6. Toro® makes investors happy

Thanks to the advanced configuration options and adjustment possibilities of the system, you can apply water exactly as you need to. All this will help you save money and keep your total cost of ownership (TCO) down.

THE WHERE DEFINES THE WHICH.



FOR DEMANDING AREAS

Tackle every obstacle on the golf course – wind, trees, bunkers, mounds, etc.



FOR MODERATE AREAS

Apply water to exactly the right spot at exactly the right angle; don't be limited by slopes or branches.



FOR PLAIN AREAS

Where a consistent and reliable full-circle water supply is needed, these sprinklers do an outstanding job.



FOR TEES AND THEIR SURROUNDINGS

There are areas on a course that are best supplied by block systems. Get the best from Toro® for this task.

INF35-6 Smart Access® **INF55-6** Smart Access®



INF35 Smart Access® **INF55** Smart Access®



INF34 Smart Access® **INF54** Smart Access®



FLX35-6B **FLX 35B**



FLX35-6 **FLX55-6**



FLX35 **FLX55**



FLX34 **FLX54**



FLX34B



HOW WE GOT TO KNOW EVERYTHING WE KNOW.



Dr. James R. Watson, the man behind Toro's® cutting-edge turf and water management research in the company's Center for Advanced Turf Technology.

In 1919, John Samuel Clapper and his co-workers were bold enough to mount cutting units to a tractor for the Minikahda Club in Minneapolis. Their goal: replace turf-tackling horse-drawn mowers. They didn't realize it then, but they created an entire new industry called "turf maintenance equipment". Their innovation was significant and marked a new pinnacle in technological advancement in this field.

Cultivating Science

And our company didn't stop there. Developing a taste for ground-breaking innovations, Toro® aimed to understand turf to its very roots. That's when the legendary Dr James R. Watson and his Center for Advanced Turf Technology (CATT) came into play. A visionary, Dr Watson promoted the holistic conjunction of meticulous turf science and smart water management. The research and development conducted at Toro's® own institute in Minnesota is what has made Toro® truly unique for decades.

The Whole-in-One Company

John Samuel Clapper and Dr James R. Watson are only two of the many ingenious people that have made Toro® famous. Today, Toro® remains the first and only company in the world to offer a complete system of turf maintenance products including mowers, rollers, rakes and irrigation. Viewing turf as a whole living unit is deeply embedded in Toro's® DNA. When you see a famous park or venue and marvel at its perfect turf, you can be sure that Toro's® unique approach lies behind it. Wimbledon, Disney World and many others are included here.



The famous Minikahda Mower from 1921. Mounting five lawn mowers onto the front of a farm tractor, Toro® initialized the motorized golf course equipment industry.



St Andrews – the Old Course – probably the first golf course in the world and certainly the most famous, has been a Toro® partner for decades.

When it comes to golf, St Andrews Links in Scotland, also known as "The Home of Golf", undoubtedly stands out as one of the most distinguished golf courses in the world, but it is also one of the most complicated to maintain. Consequently, Toro® systems have been selected to help overcome nature's challenges and to maintain this famous venue in top class.

You will find all the experience and expertise we have gathered over decades in each and every Toro® product. Count on it.



Toro® is for the Pros. Major tournaments like The Open rely on the company's perfect turf management systems.

THE MAGIC **BEHIND THE MAGIC.**



SPECIFICATIONS | INF35-6/INF55-6 | FLX35-6/FLX55-6

FEATURES

- Trajectory: 24 positions from 7° – 30° in 1° increments
- Part/Full circle sprinklers
- Ratcheting riser
- Nozzle base clutching
- Pop-up height to nozzle: 8,25 cm (3.25")

OPERATING SPECIFICATIONS

- Inlet:
- INF/FLX35-6: 25 mm (1") ACME
 - INF/FLX55-6: 40 mm (1.5") ACME
- Radius:
- INF/FLX35-6: 12,8 – 28,0 m (42' – 92')
 - INF/FLX55-6: 15,9 – 30,5 m (52' – 100')
- Flow Rate:
- INF/FLX35-6: 26,9–171,5 LPM (7.1 – 45.3 GPM)
 - INF/FLX55-6: 52,6–231,3 LPM (13.9 – 61.1 GPM)
- Precipitation Rates:
- INF/FLX35-6:
 - Minimum: 9 mm/hr (0.37"/hr);
 - Maximum: 13,5 mm/hr (0.53"/hr)
 - INF/FLX55-6:
 - Minimum: 11 mm/hr (0.43"/hr);
 - Maximum: 15 mm/hr (0.60"/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)

Activation type

- 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

NOZZLE SELECTION

- INF/FLX35-6 has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 & 37)
- INF/FLX55-6 has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 & 59)
- Four in-line nozzles, rotating stream pattern
- One back nozzle position
- Stator variations INF35-6/INF55-6 - 3

DIMENSIONS

INF: Smart Access® Cover and Compartment Diameter / FLX: Body Diameter

- INF35-6: 19 cm (7.5") / FLX35-6: 16,5 cm (6.5")
- INF55-6: 19 cm (7.5") / FLX55-6: 19 cm (7.5")
- Body height:
 - INF/FLX35-6: 25 cm (10")
 - INF/FLX55-6: 29 cm (11.38")
- Weight:
 - INF35-6: 1,95 kg (4.31 lbs.) / FLX35-6: 1,35 kg (2.98 lbs.)
 - INF55-6: 2,33 kg (5.13 lbs.) / FLX55-6: 1,68 kg (3.70 lbs.)

WARRANTY

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

TRAJECTORY PERFORMANCE

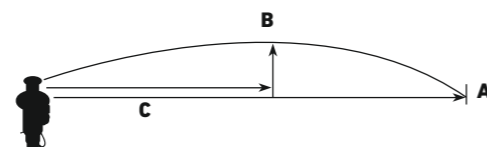
Nozzle/Bar/LPM	#31/51 Nozzle @ 4,5 Bar							#32/52 Nozzle @ 4,5 Bar															
	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°										
Trajectory	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°										
"A" Radius	14,0	14,0	15,2	15,5	16,2	16,5	15,2	14,0	14,9	14,9	15,2	15,5	16,8	19,2	19,5	16,5	19,8						
"B" Spray Height	1,2	1,2	1,5	1,8	2,4	3,0	3,4	4,0	4,0	4,6	0,9	1,2	1,2	1,8	2,7	3,7	3,4	4,6	4,0				
"C" Distance from Head	7,6	7,9	7,6	8,2	7,9	9,8	10,1	11,6	10,1	12,2	10,1	12,4	6,1	6,7	7,3	7,9	8,5	9,4	10,4	10,7	10,4	10,4	9,1

Nozzle/Bar/LPM	#33/53 Nozzle @ 4,5 Bar							#34/54 Nozzle @ 4,5 Bar														
	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°									
Trajectory	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°									
"A" Radius	16,5	17,1	18,0	18,9	20,1	20,7	18,6	17,7	18,3	19,2	20,4	22,6	21,3									
"B" Spray Height	1,2	1,5	1,5	1,8	2,1	2,7	4,0	4,6	1,2	1,5	1,2	1,8	1,8	2,4	3,4	3,0	4,3	5,2				
"C" Distance from Head	7,0	9,1	8,5	10,1	9,8	10,4	10,7	10,7	11,3	10,7	11,3	7,3	9,4	7,9	10,4	10,7	12,2	11,9	12,5	11,9	11,9	12,8

Nozzle/Bar/LPM	#35/55 Nozzle @ 4,5 Bar							#36/56 Nozzle @ 5,5 Bar												
	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°							
Trajectory	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°							
"A" Radius	18,0	18,6	18,9	19,5	20,1	21,3	23,2	22,6	23,5	19,5	21,9	20,7	22,2	23,2	22,9	24,4	25,0	25,6	25,9	25,0
"B" Spray Height	1,2	1,8	1,5	1,8	2,1	2,7	3,4	4,6	5,2	1,5	2,1	2,7	4,3	5,2	6,7					
"C" Distance from Head	9,1	10,4	9,8	11,0	11,0	13,1	13,1	13,7	13,1	13,7	13,1	13,7	7,6	11,6	12,2	13,7	14,9	13,7		

Nozzle/Bar/LPM	#37/57 Nozzle @ 5,5 Bar							#58 Nozzle @ 5,5 Bar										
	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°					
Trajectory	7°	10°	15°	20°	25°	30°		7°	10°	15°	20°	25°	30°					
"A" Radius	19,8	21,9	21,0	22,6	23,8	23,5	25,0	25,3	26,2	27,1	25,6	25,9	22,9	23,5	25,3	26,5	28,0	26,8
"B" Spray Height	1,5	2,1	2,7	4,3	5,5	6,7	1,8	2,1	3,0	4,6	5,5	6,7						
"C" Distance from Head	9,1	11,9	12,5	14,0	15,2	14,0	11,6	12,2	13,1	14,3	15,8	14,6						

Nozzle/Bar/LPM	#59 Nozzle @ 5,5 Bar					
	7°	10°	15°	20°	25°	30°
Trajectory	7°	10°	15°	20°	25°	30°
"A" Radius	23,5	23,8	25,6	27,1	29,3	28,0
"B" Spray Height	2,1	2,4	3,4	4,9	6,4	7,6
"C" Distance from Head	12,8	13,4	13,7	14,3	16,2	14,9



Information is for reference only. Actual results may vary.

SPECIFICATIONS | INF35-6/INF55-6 | FLX35-6/FLX55-6

INF35-6/FLX35-6 SERIES PERFORMANCE DATA

Front Nozzle Position	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) 102-2208	(Yellow) 102-4587	(Blue) 102-4588	(Brown) 102-4589	(Orange) 102-0728	(Green) 102-0729	(Grey) 102-0730	(Black) 102-4261	(Blue) 102-2925	(Grey) 102-2910	(Blue) 102-2925	(Grey) 102-2910	(Blue) 102-2925	(Grey) 102-2910	(Orange) 102-2926	(Grey) 102-2910	
Base Pressure	Bar	kPa	kg/cm²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	12,8	26,9	15,9	51,9	18,6	64,7	19,5	76,5	21	103,7	-	-	-	-	
4,5	450	4,59	13,7	32,9	16,5	58,7	19,2	77,6	20,1	86,7	22,6	113,6	23,2	122,6	-	-	
5,5	550	5,61	14	36,3	17,4	64,3	20,4	85,5	21,4	95,8	23,5	125,7	24,1	135,5	25,6	141,9	
6,9	690	7,04	14,6	42,4	18	71,5	22	95,4	22,6	106,7	24,4	140	25,6	151	26,8	160,9	
Stator	102-6929 Blue				102-1939 Yellow				102-1940 White								
Conversions	INF35-6-3134/FLX35-6-3134								INF35-6-3537/FLX35-6-3537								

INF55-6/FLX55-6 SERIES PERFORMANCE DATA

Front Nozzle Position	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) 102-4587	(Blue) 102-4588	(Brown) 102-4589	(Orange) 102-0728	(Green) 102-0729	(Grey) 102-0730	(Black) 102-4261	(Red) 102-4260	(Beige) 102-4259	(Blue) 102-2925	(Grey) 102-2910	(Blue) 102-2925	(Grey) 102-2910	(Orange) 102-2926	(Grey) 102-2910	(Blue) 102-2925	(Grey) 102-2910	(Blue) 102-2925	(Grey) 102-2910
Back Nozzle Position	Red Plug 102-4335																		
Base Pressure	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	15,9	52,6	18,9	65,9	20,1	78,3	21	108,3	-	-	-	-	-	-	-	-	
4,5	450	4,59	16,5	59,4	19,5	78,3	20,7	88,6	22,6	113,1	23,2	127,9	-	-	-	-	-	-	
5,5	550	5,61	17,4	65,1	20,7	86,7	22	97,7	23,5	130,2	24,1	140,8	25,9	149,1	27,1	165	28,1	179,8	
6,9	690	7,04	18	72,3	22,3	96,5	23,2	108,6	24,4	144,6	25,6	156,3	27,1	165,4	28,7	183,6	29	194,9	
Stator	102-1939 Yellow								102-1940 White								102-1941 White		
Conversions	INF55-6-5154/FLX55-6-5154								INF55-6-5558/FLX55-6-5558								INF55-6-59/FLX55-6-59		

Radius shown in meters. Toro recommends the use of a 30 mm swing joint at flows over 95-LPM. Sprinkler radius of throw per ASAE standard 5398.1. Actual site conditions must be considered when selecting the appropriate nozzle. All sprinklers are equipped with the selectable pilot valve that allows settings at 3,4; 4,5; 5,5; and 6,9 Bar.

(-) Not recommended at these pressures.

INF35-6/INF55-6 SPECIFYING INFORMATION

INF35-XXX-X6X						
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type	Trajectory	Optional
INF35	5	XX	X	X	6	X
3 - 25 mm (1")	5-Part circle and Full circle in One	INF35 - 30, 31, 32, 33, 34, 35, 36, 37	6 - 65 psi (4,5 bar)	1 - Standard Solenoid	6 - 24-position Trajectory	7 - Effluent
5 - 40 mm (1.5")		INF55 - 51, 52, 53, 54, 55, 56, 57, 58, 59	8 - 80 psi (5,5 bar) 1 - 100 psi (6,9 bar)	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 INF35-6 Series Sprinkler with #34 nozzle, pressure regulation at 65 psi and Spike Guard™ you would specify: INF35-346-26

* 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.

FLX35-6/FLX55-6 SPECIFYING INFORMATION

FLX35-XXX-X6					
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type	Trajectory
FLX35	5	XX	X	X	6
3 - 25 mm (1")	5-Part circle and Full circle in One	FLX35 - 30, 31, 32, 33, 34, 35, 36, 37	6 - 65 psi (4,5 bar)	1 - Standard Solenoid	6 - 24-position Trajectory
5 - 40 mm (1.5")		FLX55 - 51, 52, 53, 54, 55, 56, 57, 58, 59	8 - 80 psi (5,5 bar) 1 - 100 psi (6,9 bar)	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 FLX35-6 Series Sprinkler with Spike Guard™ Solenoid, #34 nozzle, an electric valve and pressure regulation at 65 psi you would specify: FLX35-346-26

* Electric models only. 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.

SPECIFICATIONS | INF35/INF55 | FLX35/FLX55

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: 8,25 cm (3.25")

OPERATING SPECIFICATIONS

- Inlet:
- INF/FLX35: 25 mm (1") ACME
 - INF/FLX55: 40 mm (1.5") ACME
- Radius:
- INF/FLX35: 13,1 – 25,3 m (43' – 83')
 - INF/FLX55: 16,7 – 28,0 m (55' – 92')
- Flow Rate:
- INF/FLX35: 31,0-179,0 LPM (8.2 – 47.8 GPM)
 - INF/FLX55: 53,0-232,0 LPM (14.1 – 61.3 GPM)

Precipitation Rates:

- INF/FLX35:
 - Minimum: 10,4 mm/hr (0.41"/hr);
 - Maximum: 11,4 mm/hr (0.45"/hr)
- INF/FLX55:
 - Minimum: 11,7 mm/hr (0.46"/hr);
 - Maximum: 14,7 mm/hr (0.58"/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)

Activation type

- 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

NOZZLE SELECTION

- INF/FLX35 has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 & 37)
- INF/FLX55 has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 & 59)
- Three in-line nozzles, rotating stream pattern
- Two back nozzle position
- Stator variations INF35/INF55 - 3

DIMENSIONS

INF: Smart Access® Cover and Compartment Diameter / FLX: Body Diameter

- INF35: 19 cm (7.5") / FLX35: 16,5 cm (6.5")
- INF55: 19 cm (7.5") / FLX55: 19 cm (7.5")
- Body height:
 - INF/FLX35: 25 cm (10")
 - INF/FLX55: 29 cm (11.38")
- Weight:
 - INF35: 1,93 kg (4.26 lbs.) / FLX35: 1,31 kg (2.89 lbs.)
 - INF55: 2,30 kg (5.08 lbs.) / FLX55: 1,62 kg (3.57 lbs.)
- Weight: (FLX35/FLX55 with integrated GDC)
 - FLX35: 1,62 kg (3.57 lbs.)
 - FLX55: 1,93 kg (4.26 lbs.)

WARRANTY

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

INF35/INF55 SPECIFYING INFORMATION

INF35-XXX-XX					
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type	Optional
INF35	5	XX	X	X	X
3 - 25 mm (1") 5 - 40 mm (1.5")	5-Part circle and Full circle in One	INF35 - 30, 31, 32, 33, 34, 35, 36, 37 INF55 - 51, 52, 53, 54, 55, 56, 57, 58, 59	6 - 65 psi (4,5 bar) 8 - 80 psi (5,5 bar) 1 - 100 psi (6,9 bar)	1 - Standard Solenoid 2 - Spike Guard™ Solenoid 3 - Nickel-plated Spike Guard Solenoid 4 - DC Latching Solenoid (DCLS) 5 - Integrated GDC Module w/DCLS	7 - Effluent

Example: When specifying an INF35 Series Sprinkler with #34 nozzle, pressure regulation at 65 psi and Spike Guard™ you would specify: INF35-346-2

* All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi. Note: Not all models available.

FLX35/FLX55 SPECIFYING INFORMATION

FLX35-XXX-X				
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type
FLX35	5	XX	X	X
3 - 25 mm (1") 5 - 40 mm (1.5")	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 (4,5 bar) 8 - 80 psi (5,5 bar) 1 - 100 psi (6,9 bar)	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 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.

SPECIFICATIONS | INF35/INF55 | FLX35/FLX55

INF35/FLX35 SERIES PERFORMANCE DATA – 25°

Front Nozzle Position	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) 102-2208	(Yellow) 102-6906	(Blue) 102-0726	(Brown) 102-6907	(Orange) 102-0728	(Green) 102-6955	(Grey) 102-6935	(Black) 102-6936	(Yellow) 102-5670	(Beige) 102-6942	(Yellow) 102-5670	(Brown) 102-5671	(Yellow) 102-5670	(Yellow) 102-6884	(Yellow) 102-5670	(Yellow) 102-6884	(Yellow) 102-5670	(Green) 102-6885	(Green) 102-6531	(Green) 102-6885	(Green) 102-6531	(Green) 102-6885
Back Nozzle Position	Red Plug 102-4335																					
Base Pressure																						
Bar	kPa	kg/cm ²	Radius	LPM	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	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	77,6	19,5	92,4	20,7	106,7	22	129,1	-	-	-	-	-	-	-	-
5,5	550	5,61	14	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	25,3	179
6,9	690	7,04	14,3	50,7	18	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	25,3	179	25,3	179

INF35/FLX35 SERIES PERFORMANCE DATA – 15°

Bar	kPa	kg/cm ²	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	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	125,3	-	-	-	-	-	-
5,5	550	5,61	14	43,5	17,7	65,1	19,5	85,5	21	101,4	21	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	124,5	23,8	149,5	25	161,2	25	174,5	25	174,5
Stator	102-6929 Blue				102-1939 Yellow								102-1940 White							
Conversions	INF35-3134/FLX35-3134										INF35-3537/FLX35-3537									

INF55/FLX55 SERIES PERFORMANCE DATA – 25°

Front Nozzle Position	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	(Grey) 102-6935	(Black) 102-6936	(Red) 102-6909	(Beige) 102-4259	(Yellow) 102-5670	(Brown) 102-5671	(Yellow) 102-5670	(Yellow) 102-6884	(Yellow) 102-5670	(Yellow) 102-6884	(Yellow) 102-5670	(Green) 102-6885	(Green) 102-6531	(Green) 102-6885	(Green) 102-6531	(Green) 102-6885	(Green) 102-6531
Back Nozzle Position	Red Plug 102-4335																					
Base Pressure																						
Bar	kPa	kg/cm ²	Radius	LPM	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	18,9	84,4	20,1	97,6	-	-	-	-	-	-	-	-	-	-	-	-
4,5	450	4,59	17,4	59,8	18,2	79,1	19,8	95	21	108,6	22,3	135,8	-	-	-	-	-	-	-	-	-	-
5,5	550	5,61	18	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	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	28	232	28	232

INF55/FLX55 SERIES PERFORMANCE DATA – 15°

Bar	kPa	kg/cm ²	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	17,9	62,5	18,9	84	19,2	96,9	-	-	-	-	-	-	-	-	-	-
4,5	450	4,59	17,1	59	18,8	78,3	19,8	94,6	20,1	107,9	22,8	133,6	-	-	-	-	-	-	-	-
5,5	550	5,61	18	65,9	20,1	87,1	21	104,8	21,4	119,2	23,1	147,6	23,7	160,5	24	177,5	24	187,4	25	216,5
6,9	690	7,04	18,2	72,7	20,7	95	21,7	114,3	22	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	INF55-5154/FLX55-5154										INF55-5558/FLX55-5558								INF55-59/FLX55-59	

Radius shown in meters. Toro recommends the use of a 30 mm swing joint at flows over 95-LPM. Sprinkler radius of throw 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 3,4; 4,5; 5,5; and 6,9 Bar.

(-) Not recommended at these pressures.

SPECIFICATIONS | INF34/INF54 | FLX34/FLX54

FEATURES

- Dual Trajectory adjustment on main nozzle - 25° or 15°
- Constant velocity full circle drive
- Radius reduction screw can effectively reduce the sprinkler throw down to 9 meters
- Pop-up height to nozzle: 8,25cm (3.25")

OPERATING SPECIFICATIONS

Inlet:

- INF/FLX34: 25 mm (1") ACME
- INF/FLX54: 40 mm (1.5") ACME

Radius:

- INF/FLX34: 15,9/15,8 – 27,8m (52' – 91')
- INF/FLX54: 15,9/15,8 – 30,2m (52' – 99')

Flow Rate:

- INF/FLX34: 49,2/48,8-177,5 LPM (13,0 – 46,9 GPM)
- INF/FLX54: 50,0-233,9 LPM (13,2 – 61,8 GPM)

Precipitation Rates:

- INF/FLX34:
 - Minimum: 8,4 mm/hr (0.33"/hr);
 - Maximum: 13,9/14,0 mm/hr (0.55"/hr)
- INF/FLX54:
 - Minimum: 8,4 mm/hr (0.33"/hr);
 - Maximum: 15,5 mm/hr (0.61"/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)

Activation type

- 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

NOZZLE SELECTION

- FLX34 has seven nozzle variations (31, 32, 33, 34, 35, 36 & 37)
- FLX54 has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 & 59)
- Three opposing nozzles, rotating stream pattern
- Two additional front nozzle positions

DIMENSIONS

INF: Smart Access® Cover and Compartment Diameter / FLX: Body Diameter

- INF34: 19 cm (7.5") / FLX34: 16,5 cm (6.5")
- INF54: 19 cm (7.5") / FLX54: 19,1 cm (7.5")
- Body height:
 - INF34: 25 cm (10") / FLX34: 25,4 cm (10")
 - INF54: 29 cm (11.38") / FLX54: 28,9 cm (11.375")
- Weight:
 - INF34: 1,91 kg (4.22 lbs.) / FLX34: 1,35 kg (2.98 lbs.)
 - INF54: 2,28 kg (5.04 lbs.) / FLX54: 1,68 kg (3.70 lbs.)

WARRANTY

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

INF34/INF54 SPECIFYING INFORMATION

INF4-XXX-XX				
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type
INF X	4	XX	X	X
3 - 25 mm (1") 5 - 40 mm (1.5")	4-Full Circle	INF34 - 31, 32, 33, 34, 35, 36, 37 INF54 - 51, 52, 53, 54, 55, 56, 57, 58, 59	6 - 65 psi (4,5 bar) 8 - 80 psi (5,5 bar) 1 - 100 psi (6,9 bar)	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 INF34 Series Sprinkler with #34 nozzle, pressure regulation at 65 psi and Spike Guard™ you would specify: INF34-346-2

* All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi. Note: Not all models available.

FLX34/FLX54 SPECIFYING INFORMATION

FLX4-XXX-X				
Body Inlet	Arc	Nozzle	Pressure Regulation*	Activation Type
FLX X	4	XX	X	X
3 - 25 mm (1") 5 - 40 mm (1.5")	4-Full Circle	FLX34 - 31, 32, 33, 34, 35, 36, 37 FLX54 - 51, 52, 53, 54, 55, 56, 57, 58, 59	6 - 65 psi (4,5 bar) 8 - 80 psi (5,5 bar) 1 - 100 psi (6,9 bar)	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 65 psi and Spike Guard™ Solenoid you would specify: FLX34-346-2

* Electric models only. 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.

SPECIFICATIONS | INF34/INF54 | FLX34/FLX54

INF34/FLX34 SERIES PERFORMANCE DATA – 25°

Front Nozzle Position	Nozzle Set 31		Nozzle Set 32		Nozzle Set 33		Nozzle Set 34		Nozzle Set 35		Nozzle Set 36		Nozzle Set 37	
	(Yellow) 102-0725	(Blue) 102-7001	(Brown) 102-0727	(Orange) 102-7002	(Green) 102-6908	(Grey) 102-0730	(Black) 102-4261	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Brown 102-6883
Back Nozzle Position	Yellow 102-6937	Blue 102-2925	Yellow 102-6937	Orange 102-2926	Yellow 102-6937	Red 102-2928	Yellow 102-6937	Beige 102-2929	Yellow 102-6937	Beige 102-2929	Yellow 102-6937	Red 102-6944	Yellow 102-6937	Grey 102-6945
Base Pressure														
Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	17,4	49,2	17,7	58,7	19,5	82,9	20,7	92,4	-	-	-	-
4,5	450	4,59	17,7	55,3	18,3	68,1	20,7	92,4	22	106,4	23,2	121,9	-	-
5,5	550	5,61	18,3	61,3	19,2	77,6	22	101,8	23,2	117,7	24,4	134,7	25,3	144,6
6,9	690	7,04	18,9	67,8	20,1	88,6	22,9	112,8	24,1	132,1	25,6	148,8	26,8	164,3

INF34/FLX34 SERIES PERFORMANCE DATA – 15°

Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	15,9	48,8	16,2	59	18,3	82,1	18,9	96,5	-	-	-	-	-	-
4,5	450	4,59	16,2	54,5	16,5	64,7	18,6	91,6	19,5	106	20,4	121,5	-	-	-	-
5,5	550	5,61	17,1	60,6	17,4	71,9	19,8	100,7	21	117,3	22,3	134,4	23,2	143,8	23,5	156,3
6,9	690	7,04	17,4	66,2	18	77,6	20,4	111,7	21,7	128,3	22,9	145,3	24,4	163,1	24,7	177,1
Stator			102-6929 Blue						102-1940 White							
Conversions			INF34-3134/FLX34-3134						INF34-3537/FLX34-3537							

INF54/FLX54 SERIES PERFORMANCE DATA – 25°

Front Nozzle Position	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) 102-0725	(Blue) 102-7001	(Brown) 102-0727	(Orange) 102-7002	(Green) 102-6908	(Grey) 102-0730	(Black) 102-4261	(Red) 102-4260	(Beige) 102-4259	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Red Plug 102-4335	Brown 102-6883	Red Plug 102-4335	Brown 102-6883	Red Plug 102-4335	Red Plug 102-4335	
Back Nozzle Position	Yellow 102-6937	Blue 102-2925	Yellow 102-6937	Orange 102-2926	Yellow 102-6937	Red 102-2928	Yellow 102-6937	Beige 102-2929	Yellow 102-6937	Beige 102-2929	Yellow 102-6937	Red 102-6944	Yellow 102-6937	Grey 102-6945	Yellow 102-6937	Grey 102-6945	Yellow 102-6937	Grey 102-6945	Yellow 102-6937	Grey 102-6945
Base Pressure																				
Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	17,7	50	18	59,4	19,5	83,3	21,4	99,2	-	-	-	-	-	-	-	-	-	-
4,5	450	4,59	18,3	56	18,6	66,2	20,7	93,9	22,6	110,9	24,1	129,4	-	-	-	-	-	-	-	-
5,5	550	5,61	18,6	62,1	19,5	75,7	22	104,5	23,8	123,4	25,3	143,8	25,9	154	26,5	169,9	27,8	190	29,3	210,4
6,9	690	7,04	19,2	68,5	20,4	89,3	22,9	115,1	24,7	138,9	26,5	160,9	27,5	173,4	28,4	190	29	209,7	30,2	233,9
Stator			102-6929 Blue						102-1940 White						102-1941 White					
Conversions			INF54-5154/FLX54-5154						INF54-5558/FLX54-5558						INF54-59/FLX54-59					

INF54/FLX54 SERIES PERFORMANCE DATA – 15°

Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,4	340	3,47	15,9	50	16,2	59,8	18,6	83,3	19,8	98,4	-	-	-	-	-	-	-	-	-	-
4,5	450	4,59	16,2	56	16,5	65,9	19,2	93,9	20,4	110,5	21	129,1	-	-	-	-	-	-	-	-
5,5	550	5,61	17,1	62,1	17,7	73,4	20,7	104,5	22	123	22,9	143,1	24,1	152,9	24,7	168,8	25,9	188,9	26,5	209,3
6,9	690	7,04	17,7	68,5	18,3	79,9	21,7	115,1	22,9	137,8	24,1	160,1	25,6	172,2	26,5	188,9	27,1	208,6	28,7	232,8
Stator			102-6929 Blue						102-1940 White						102-1941 White					
Conversions			INF54-5154/FLX54-5154						INF54-5558/FLX54-5558						INF54-59/FLX54-59					

Radius shown in meters. Toro recommends the use of a 30 mm swing joint at flows over 95-LPM. Sprinkler radius of throw 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 3,4; 4,5; 5,5; and 6,9 Bar.

(-) Not recommended at these pressures.

SPECIFICATIONS | FLEX800™ B Series

FEATURES

- Ratcheting riser - Part circle models
- Nozzle base clutching - Part circle models
- Radius reduction screw 363-4839 for fine tuning. Standard on FLX35B; optional on FLX34B and not available on FLX35-6B models
- Pop-up height to nozzle: 8,25 cm (3.25")

OPERATING SPECIFICATIONS

Inlet:

- 25 mm (1") NPT, BSP or ACME

Radius:

- FLX35-6B: 9 m - 29 m (29' - 95')
- FLX35B: 9 m - 27 m (29' - 90')
- FLX34B: 17 m - 29 m (57' - 95')

Flow Rate:

- FLX35-6B: 26,8 - 198,7 LPM (7.1 - 52,5 GPM)
- FLX35B: 31,0 - 213,1 LPM (8.2 - 56,3 GPM)
- FLX34B: 49,2 - 209,7 LPM (13,0 - 55,4 GPM)

Precipitation Rates:

- FLX35-6B: 8,6 - 14,2 mm/hr (0.34 in/hr - 0.56 in/hr)
- FLX35B: 9,3 - 17,0 mm/hr (0.37 in/hr - 0.67 in/hr)
- FLX34B: 8,3 - 14,9 mm/hr (0.33 in/hr - 0.59 in/hr)

Recommended Operating Pressure Range:

- 4,4-6,9 Bar (65-100 psi)

TRAJECTORY

- FLX35-6B - 7° - 30° in 1° increments; 24 positions
- FLX35B - 15° or 25° in 2 positions
- FLX34B - 15° or 25° in 2 positions

CHECK-O-MATIC

feature prevents low head drainage up to 10" of elevation change

NOZZLE SELECTION

Nozzle Variations

- FLX35-6B - nine variations (30, 31, 32, 33, 34, 35, 36, 37 & 38)
- FLX35B - nine variations (30, 31, 32, 33, 34, 35, 36, 37 & 38)
- FLX34B - eight variations (31, 32, 33, 34, 35, 36, 37 & 38)
- Back nozzle capability on part circle models standard
- FLX35-6B - one position available
- FLX35B - two positions available
- FLX34B - two additional front nozzle positions
- Main-less capability for short radius applications

Stator variations:

- FLX35-6B, FLX35B: 3
- FLX34B: 2

DIMENSIONS

- Body Diameter: 15,2 cm (6")
- Body height: 21,6 cm (8,5")
- Weight:
 - FLX35-6B: 0,9 kg (1.99 lbs)
 - FLX35B: 0,9 kg (1.99 lbs)
 - FLX34B: 0,89 kg (1.97 lbs)

WARRANTY

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

SPECIFYING INFORMATION

FLX3XB-X2-XXXX					
Series	Arc	System	Thread Type	Valve Type	Nozzle
FLX3	X	B	X	2	XXXX
FLX3 - FLEX800™ B Series	4-Full Circle (DT only) 5-Part-/Full-Circle 5-6-Part/Full-Circle with TruJectory	B-Block	0 - NPT 4 - ACME 5 - BSP	Check-O-Matic	3134 - Includes nozzles 31, 32, 33, 34 3538 - Includes nozzles 35, 36, 37, 38
Example: When specifying a FLEX800 B Series Sprinkler with full circle - NPT threads and #34 nozzle, you would specify: FLX34B-02-3134					

* Electric models only. 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.

SPECIFICATIONS | FLEX800™ B Series

FLX35-6B SERIES PERFORMANCE DATA – 25°

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		Nozzle Set 38			
	(White) 102-2208	(Yellow) 102-4587	(Blue) 102-4588	(Brown) 102-4589	(Orange) 102-0728	(Green) 102-0729	(Grey) 102-0730	(Black) 102-4261	(Red) 102-6909	Blue 102-2925	Grey 102-2910	Blue 102-2925	Grey 102-2910	Blue 102-2925	Grey 102-2910	Orange 102-2926	Grey 102-2910	Blue 102-2925	Grey 102-2910	
Back Nozzle Position	Red Plug 102-4335																			
Base Pressure																				
Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,5	345	3,52	13	26,9	16	53	18	68,1	-	-	-	-	-	-	-	-	-	-	-	-
4,1	414	4,22	13	30	16	57,5	18	73,9	20	82,9	-	-	-	-	-	-	-	-	-	-
4,8	483	4,92	14	33,1	17	62,1	19	79,6	21	89,3	23	123,8	23	133,2	-	-	-	-	-	-
5,5	552	5,63	14	36,3	17	65,9	20	85,5	21	95,8	23	132,9	24	142,7	26	149,9	26	164,3	27	179,8
6,2	621	6,33	14	39,4	18	70	21	90,5	22	101,2	24	140	25	151	26	158,6	27	173,7	28	189,3
6,9	689	7,03	15	42,4	18	73,4	21	95,4	23	106,7	24	147,1	26	158,2	27	166,9	27	183,2	29	198,7
Stator	102-6929 Blue			102-1939 Yellow						102-1940 White										
Conversions	FLX35-6-3134 (requires screen replacement)									FLX35-6-3537 (requires screen replacement)										

FLX35B SERIES PERFORMANCE DATA – 25°

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		Nozzle Set 38									
	(White) 102-2208	(Yellow) 102-6906	(Blue) 102-0726	(Brown) 102-6907	(Orange) 102-0728	(Green) 102-6955	(Grey) 102-6935	(Black) 102-6936	(Red) 102-6909	Yellow 102-5670	Beige 102-6942	Yellow 102-5670	Brown 102-5671	Yellow 102-5670	Yellow 102-6884	Yellow 102-5670	Yellow 102-6884	Yellow 102-5670	Green 102-6885	Green 102-6531	Green 102-6885	Green 102-6531	Green 102-6885	Green 102-6531	Green 102-6885	
Back Nozzle Position	Red Plug 102-4335																									
Base Pressure																										
Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
3,5	345	3,52	13	31	17	51,5	17	69,3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,1	414	4,22	13	35,2	17	56,8	18	76,1	19	91,6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,8	483	4,92	14	39,3	18	61,3	18	82,5	20	99,5	21	113,6	22	140	-	-	-	-	-	-	-	-	-	-	-	-
5,5	552	5,63	14	43,5	18	65,5	19	88,2	20	106	22	121,5	23	149,9	24	162,4	24	184	26	191,5	-	-	-	-	-	-
6,2	621	6,33	14	47,1	18	69,6	19	93,5	21	112,8	22	129,4	23	159	24	171,8	25	194,9	27	202,9	-	-	-	-	-	-
6,9	689	7,03	14	50,7	19	73,1	20	98,4	21	118,8	23	135,9	24	167,3	25	184,7	25	205,1	27	213,1	-	-	-	-	-	-
Stator	102-6929 Blue			102-1939 Yellow						102-1940 White																
Conversions	FLX35-3134 (requires screen replacement)									FLX35-3537 (requires screen replacement)																

FLX34B SERIES PERFORMANCE DATA – 25°

Front Nozzle Positions	Nozzle Set 31		Nozzle Set 32		Nozzle Set 33		Nozzle Set 34		Nozzle Set 35		Nozzle Set 36		Nozzle Set 37		Nozzle Set 38								
	(Yellow) 102-0725	(Blue) 102-7001	(Brown) 102-0727	(Orange) 102-7002	(Green) 102-6908	(Grey) 102-0730	(Black) 102-4261	(Red) 102-4260	Yellow 102-6937	Blue 102-2925	Yellow 102-6937	Orange 102-2926	Yellow 102-6937	Red 102-2928	Yellow 102-6937	Beige 102-2929	Yellow 102-6937	Beige 102-2929	Yellow 102-6937	Red 102-6944	Yellow 102-6937	Grey 102-6945	Yellow 102-6937
Back Nozzle Position	Red Plug 102-4335																						
Base Pressure																							
Bar	kPa	kg/cm ²	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM							
3,5	345	3,52	17	49,2	18	58,7	-	-	-	-	-	-	-	-	-	-							
4,1	414	4,22	18	53,2	18	64,9	20	89,3	-	-	-	-	-	-	-	-							
4,8	483	4,92	18	58,7	19	68,9	21	99,2	22	113,6	24	135,1	-	-	-	-							
5,5	552	5,63	18	61,3	19	77,6	22	105,6	23	121,5	24	144,6	25	154,8	26	159,3	28	190					
6,2	621	6,33	19	66,2	20	83,1	22	112,2	24	128,9	25	153,1	26	164,1	27	168,4	28	199,8					
6,9	689	7,03	19	71,2	20	88,6	23	118,8	24	136,3	26	161,1	27	173,4	28	177,5	29	209,7					
Stator	102-6929 Blue								102-1940 White														
Conversions	FLX34-3134 (requires screen replacement)								FLX34-3537 (requires screen replacement)														

Radius shown in meters. Toro recommends the use of a 30 mm swing joint at flows over 95-LPM. Sprinkler radius of throw 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 3,4; 4,5; 5,5; and 6,9 Bar.

(-) Not recommended at these pressures.

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Printed in Germany
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