FLEX800™ SERIES ROTORS

Golf sprinklers with all the efficiency and proven performance features and benefits of the 800S and DT Series

FLEX800™ SERIES GOLF ROTORS FLX35-6/FLX55-6

With the industry's largest selection of high performance nozzles and TruJectory adjustment the NEW FLEX800 35-6/55-6 Series allows you to put water precisely where you want it for maximum distribution uniformity. The part/full circle drive allows you to simply and economically adjust the area of coverage to match your seasonal watering needs or meet watering mandates in seconds with no disassembly or additional parts required.

Features & Benefits

Tru-Jectory - 24 positions
From 7° - 30° in 1° increments put water 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.

Industries Largest Nozzle Selection
Nozzles from 12.8m – 30.5m 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.

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

True Part and Full-Circle in One – (40° - 330° part circle)
These sprinklers can be full circle today and part circle tomorrow allowing you to simply and economically adjust the area of coverage to match your seasonal and watering needs

FLX35-6 Conversion Upgrades

Models	Description
• FLX35-6-3134	FLX35-6 w/31–34 Nozzles (33 Nozzle Installed)
• FLX35-6-3537	FLX35-6 w/35–37 Nozzles (35 Nozzle Installed)

FLX55-6 Conversion Upgrades—(Ribbed Body)

Models	Description
• FLX55-6-5154	FLX55-6 w/51–54 Nozzles (53 Nozzle Installed)
• FLX55-6-5558	FLX55-6 w/55–58 Nozzles (55 Nozzle Installed)
• FLX55-6-59	FLX55-6 w/59 Nozzle

FLX55-6 Conversion Upgrades—(Ribless Body)

Models	Description
• FLX55-6-5154R	FLX55-6 w/51–54 Nozzles (53 Nozzle Installed)
• FLX55-6-5558R	FLX55-6 w/55–58 Nozzles (55 Nozzle Installed)
• FLX55-6-59R	FLX55-6 w/59 Nozzle

Features
- Trajectory: 24 positions from 7° – 30° in 1° increments
- Part/Full circle sprinklers
- Pop-up height to nozzle: 8.25cm

Operating Specifications
Inlet:
- FLX35-6: 25mm (1") ACME
- FLX55-6: 40mm (1.5") ACME

Radius:
- FLX35-6: 12.8 – 28.0m
- FLX55-6: 15.9 – 30.5m

Flow Rate:
- FLX35-6: 26.9 - 171.5 LPM
- FLX55-6: 52.6 - 231.3 LPM

Precipitation Rates:
- FLX35-6: Minimum: 9mm/hr Maximum: 13.5mm/hr
- FLX55-6: Minimum: 11mm/hr Maximum: 15mm/hr

Pilot Valve: Fixed pressure at 65 and 80 psi

Recommended Operating Pressure Range:
- 65-100 psi
- Maximum: 150 psi
- 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):
  - 12 VDC pulse or latching pulse
- Integrated GDC Module w/DCLS:
  - 12 VDC pulse or latching pulse

Nozzle Selection
- FLX35-6 has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 & 37)
- 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

Dimensions
- Body diameter:
  - FLX35-6: 16.5cm
  - FLX55-6: 19cm
- Body height:
  - FLX35-6: 25cm
  - FLX55-6: 29cm
- Weight:
  - FLX35-6: 1.35kg
  - FLX55-6: 1.68kg

Warranty: Two years; Five years when installed with Toro Swing Joints

Specifying Information—FLX35-6 & FLX55-6

FLXX5-XXX-X6-AU

Body Inlet	*Arc*	*Nozzle*	*Pressure Regulation**	*Activation Type*	*Trajectory*
FLXX	**5**	XX	X	X	
3— 25mm (1") 5— 40mm (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) 8— (80 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	6—24-position TruJectory

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-AU

** Electric models only. All sprinklers are equipped with the fixed pilot valve at pressure settings 65 and 80 psi.*
Note: Not all models available. Nickel-plated, corrosion-resistant models not stocked in Australia

FLEX800™ SERIES GOLF ROTORS FLX35-6/FLX55-6

FLX35-6/FLX55-6 Trajectory Performance—(Metric)

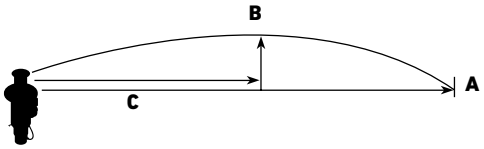
Nozzle/Bar/LPM	#31/51 Nozzle @ 450 kPa												#32/52 Nozzle @ 450 kPa											
Trajectory	7°		10°		15°		20°		25°		30°		7°		10°		15°		20°		25°		30°	
"A" Radius	14.0		14.0		15.2	15.5	16.2		16.5		15.2		14.0	14.9	14.9	15.2	15.5		16.8		19.2	19.5	16.5	19.8
"B" Spray Height	1.2		1.2		1.5	1.8	2.4	3.0	3.4	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 @ 450 kPa												#34/54 Nozzle @ 450 kPa											
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 @ 450 kPa												#36/56 Nozzle @ 550 kPa											
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 @ 550 kPa												#58 Nozzle @ 550 kPa					
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 @ 550 kPa					
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,

FLX35-6 Series Performance Chart—(Metric)

Base Pressure		Nozzle Set 30 (White) 102-2208		Nozzle Set 31 (Yellow) 102-4587		Nozzle Set 32 (Blue) 102-4588		Nozzle Set 33 (Brown) 102-4589		Nozzle Set 34 (Orange) 102-0728		Nozzle Set 35 (Green) 102-0729		Nozzle Set 36 (Gray) 102-0730		Nozzle Set 37 (Black) 102-4261	
		Blue 102-2925	Gray 102-2910	Blue 102-2925	Gray 102-2910	Red 102-2928	Gray 102-2910	Orange 102-2926	Gray 102-2910	Orange 102-2926	Gray 102-2910	Blue 102-2925	Gray 102-2910	Blue 102-2925	Gray 102-2910	Orange 102-2926	Gray 102-2910
Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	12.8	26.9	15.9	51.9	18.6	64.7	19.5	76.5	21.0	103.7	—	—	—	—	—	—
65	450	13.7	32.9	16.5	58.7	19.2	77.6	20.1	86.7	22.6	113.6	23.2	122.6	—	—	—	—
80	550	14.0	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	26.2	154.4
100	690	14.6	42.4	18.0	71.5	22.0	95.4	22.6	106.7	24.4	140.0	25.6	151.0	26.8	160.9	28.1	171.5
Stator		102-6929 Blue		102-1939 Yellow								102-1940 White					
Conversions				FLX35-6-3134								FLX35-6-3537					

FLX55-6 Series Performance Chart—(Metric)

Base Pressure		Nozzle Set 51 (Yellow) 102-4587		Nozzle Set 52 (Blue) 102-4588		Nozzle Set 53 (Brown) 102-4589		Nozzle Set 54 (Orange) 102-0728		Nozzle Set 55 (Green) 102-0729		Nozzle Set 56 (Gray) 102-0730		Nozzle Set 57 (Black) 102-4261		Nozzle Set 58 (Red) 102-4260		Nozzle Set 59 (Beige) 102-4259	
		Blue 102-2925	Gray 102-2910	Red 102-2928	Gray 102-2910	Orange 102-2926	Gray 102-2910	Orange 102-2926	Gray 102-2910	Blue 102-2925	Gray 102-2910	Blue 102-2925	Gray 102-2910	Orange 102-2926	Gray 102-2910	Blue 102-2925	Gray 102-2910	Blue 102-2925	Gray 102-2910
Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	15.9	52.6	18.9	65.9	20.1	78.3	21.0	108.3	—	—	—	—	—	—	—	—	—	—
65	450	16.5	59.4	19.5	78.3	20.7	88.6	22.6	113.1	23.2	127.9	—	—	—	—	—	—	—	—
80	550	17.4	65.1	20.7	86.7	22.0	97.7	23.5	130.2	24.1	140.8	25.9	149.1	27.1	165.0	28.1	179.8	29.3	215.7
100	690	18.0	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	29.0	194.9	30.5	231.3
Stator		102-1939 Yellow								102-1940 White								102-1941	
Conversions		FLX55-6-5154								FLX55-6-5558								FLX55-6-59	

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.
Actual site conditions must be considered when selecting the appropriate nozzle.
All sprinklers are equipped with the fixed pilot valve at pressure settings 65 or 80 psi.

FLEX800™ SERIES GOLF ROTORS FLX35/FLX55

The New 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/full circle drive allows you to adjust the area of coverage to match your seasonal watering needs or meet watering mandates in seconds with no additional parts required.

Features & Benefits

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

Industries Largest Nozzle Selection
Nozzles from 13.1m - 28.0m 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.

Ratcheting riser
Toro exclusive, simply pull up the riser and ratchet it to the precise position you want to water.

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 (363-4839) can effectively reduce the sprinkler throw down to 9.1m.

True Part and Full-Circle in One – (40° - 330° part circle)
These sprinklers can be full circle today and part circle tomorrow allowing you to adjust the area of coverage to match your seasonal and watering needs.

FLX35 Conversion Upgrades

Models	Description
• FLX35-3134	FLX35 w/31–34 Nozzles (#3 Nozzle)
• FLX35-3537	FLX35 w/35–37 Nozzles (#5 Nozzle)

FLX55 Conversion Upgrades (Ribbed Body)

Models	Description
• FLX55-5154	FLX55 w/51–54 Nozzles (#3 Nozzle)
• FLX55-5558	FLX55 w/55–58 Nozzles (#5 Nozzle)
• FLX55-59	FLX55 w/59 Nozzle

FLX55 Conversion Upgrades (Ribless Body)

Models	Description
• FLX55-5154R	FLX55 w/51–54 Nozzles (#3 Nozzle)
• FLX55-5558R	FLX55 w/55–58 Nozzles (#5 Nozzle)
• FLX55-59R	FLX55 w/59 Nozzle

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

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

Radius:
- FLX35: 13.1 – 25.3m
- FLX55: 16.7 – 28.0m

Flow Rate:
- FLX35: 31.0 – 179.0 LPM
- FLX55: 53.0 – 232.0 LPM

Precipitation Rates:
- FLX35: Minimum: 10.4 mm/hr
  Maximum: 11.4 mm/hr
- FLX55: Minimum: 11.7 mm/hr
  Maximum: 14.7 mm/hr

Pilot Valve:
- Fixed pressure at 65 and 80 psi

Recommended Operating Pressure Range:
- 65-100 psi
- Maximum: 150 psi
- 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):
  - 12 VDC pulse or latching pulse
- Integrated GDC Module w/DCLS:
  - 12 VDC pulse or latching pulse

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
  - FLX55-6: 19cm
- Body height:
  - FLX35: 25cm
  - FLX55: 29cm
- Weight:
  - FLX35-6: 1.31kg
  - FLX55-6: 1.62kg
- Weight–Integrated GDC
  - FLX35: 1.62kg
  - FLX55: 1.93kg

Warranty: Two years; Five years when installed with Toro Swing Joints

Specifying Information—FLX35 & FLX55

FLXX5-XXX-X-AU

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— 65 psi 8— 80 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 65 psi and Spike Guard you would specify: FLX35–346–2–AU

** All sprinklers are equipped with the fixed pilot valve at pressure settings 65 and 80 psi.*
Note: Not all models available. Nickel-plated, corrosion-resistant models not stocked in Australia

FLX800™ SERIES GOLF ROTORS FLX35/FLX55

FLX35 Performance Data—25° – (Metric)

Front Nozzle Positions		Nozzle Set 30 (White Plug) 102-2208		Nozzle Set 31 (Yellow) 102-6906		Nozzle Set 32 (Blue) 102-0726		Nozzle Set 33 (Brown) 102-6907		Nozzle Set 34 (Orange) 102-0728		Nozzle Set 35 (Green) 102-6955		Nozzle Set 36 (Gray) 102-6935		Nozzle Set 37 (Black) 102-6936	
		Yellow 102-5670	Biege 102-6942	Yellow 102-5670	Brown 102-5671	Yellow 102-5670	Yellow 102-6884	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 Positions		Red Plug 102-4335															
Psi	**kPa**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**
50	340	13.1	31.0	16.2	52.2	17.1	69.3	18.6	82.1	—	—	—	—	—	—	—	—
65	450	13.7	37.9	16.2	58.7	18.0	77.6	19.5	92.4	20.7	106.7	22.0	129.1	—	—	—	—
80	550	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
100	690	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

FLX35 Series Performance Chart—15°

Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	13.1	31.0	15.9	51.5	17.7	68.5	18.6	81.4	—	—	—	—	—	—	—	—
65	450	13.7	37.9	16.5	57.9	18.3	76.8	19.5	91.6	19.8	103.3	21.0	125.3	—	—	—	—
80	550	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
100	690	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 Yellow								102-1940 White					
Conversions		FLX35-3134										FLX35-3537					

FLX55 Performance Data—25° – (Metric)

Front Nozzle Positions		Nozzle Set 51 (Yellow) 102-6906		Nozzle Set 52 (Blue) 102-0726		Nozzle Set 53 (Brown) 102-6907		Nozzle Set 54 (Orange) 102-0728		Nozzle Set 55 (Green) 102-6955		Nozzle Set 56 (Gray) 102-6935		Nozzle Set 57 (Black) 102-6936		Nozzle Set 58 (Red) 102-6909		Nozzle Set 59 (Beige) 102-4259	
		Yellow 102-5670	Brown 102-5671	Yellow 102-5670	Yellow 102-6884	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	Green 102-6531	Green 102-6885
Back Nozzle Positions		Red Plug 102-4335																	
Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	16.7	53.4	17.3	70.0	18.9	84.4	20.1	97.6	—	—	—	—	—	—	—	—	—	—
65	450	17.4	59.8	18.2	79.1	19.8	95.0	21.0	108.6	22.3	135.8	—	—	—	—	—	—	—	—
80	550	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
100	690	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°

Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	16.7	53.0	17.9	62.5	18.9	84.0	19.2	96.9	—	—	—	—	—	—	—	—	—	—
65	450	17.1	59.0	18.8	78.3	19.8	94.6	20.1	107.9	22.8	133.6	—	—	—	—	—	—	—	—
80	550	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
100	690	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 fixed pilot valve at pressure settings 65 or 80 psi

FLX35 Nozzle Apex—(Metric)

Pressure	Nozzle	Apex at 15°	Apex at 25°
450 kPa	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
550 kPa	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°
450 kPa	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
550 kPa	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 FLX34/FLX54

The FLEX34/54 sprinklers offer a full circle only option in the NEW FLEX800™ Series. The dual trajectory main nozzle provides exceptional 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.

Features & Benefits

Dual Trajectory - 25° or 15°
Provides two selections for the main nozzle trajectory; the 25 degree setting provides maximum distance of throw and the 15 degree setting provides improved wind performance, radius reduction and obstacle avoidance.

Industries Largest Nozzle Selection
Nozzles from 15.8 – 30.5m 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.

Stainless Steel Valve Seat
Eliminates body damage from rocks and debris. This in-destructible stainless steel seat is moulded to the body and virtually eliminates body replacements due to seat damage.

Optional 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 to 9.1m.

Constant Velocity Full Circle Drive
Ensures consistent rotation speeds when matched with station run times for even water application across the coverage area, every time you water.

FLX34 Conversion Upgrades

Models	Description
• FLX34-3134	FLX34 w/31–34 Nozzles (#3 Nozzle)
• FLX34-3537	FLX34 w/35–37 Nozzles (#5 Nozzle)

FLX54 Conversion Upgrades

Models	Description
• FLX54-5154	FLX54 w/51–54 Nozzles (#3 Nozzle Installed)
• FLX54-5558	FLX54 w/55–58 Nozzles (#5 Nozzle)
• FLX54-59	FLX54 w/59 Nozzle

Features
- Dual Trajectory adjustment on main nozzle - 25° or 15°
- Full circle sprinklers
- Pop-up height to nozzle: 8.3cm

Operating Specifications
Inlet
- FLX34: 25mm (1") ACME
- FLX54: 40mm (1.5") ACME

Radius
- FLX34: 15.8 – 27.7m
- FLX54: 15.8 – 30.2m

Flow Rate:
- FLX34: 48.8 - 177.5 LPM
- FLX54: 50 - 233.9 LPM

Precipitation Rates:
- FLX34: Minimum - 8.4mm/hr
  Maximum - 14mm/hr
- FLX54: Minimum - 8.4mm/hr
  Maximum 15.5mm/hr

Pilot Valve:
- Fixed pressure at 65 and 80 psi

Recommended Operating Pressure Range:
- 65-100 psi
- Maximum: 150 psi
- 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):
  - 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 and 37)
- FLX54 has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Three opposing nozzles, rotating stream pattern
- Two back nozzle positions

Dimensions
- Body diameter:
  - FLX34: 16.5cm
  - FLX54: 19.1cm
- Body height:
  - FLX34: 25.4cm
  - FLX54: 28.9cm
- Weight:
  - FLX34: 1.35kg
  - FLX54: 1.68kg

Warranty: Two years; five years when installed with Toro Swing Joints

Specifying Information—FLX34 & FLX54

FLXX4-XXX-X-AU

Body Inlet	*Arc*	*Nozzle*	*Pressure Regulation**	*Activation Type*
FLXX	**4**	XX	X	X
3— 25mm (1") 5— 40mm (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 8— 80 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 a FLX34 Series Sprinkler with #34 nozzle, pressure regulation at **65 psi, and Spike Guard™ Solenoid** you would specify: FLX34–346-2-AU

** Electric models only. All sprinklers are equipped with the fixed pilot valve at pressure settings 65 and 80 psi.*
Note: Not all models available. Nickel-plated, corrosion-resistant models not stocked in Australia.

FLEX800™ SERIES GOLF ROTORS FLX34/FLX54

FLX34 Series Performance Chart—25° (Metric)

Front Nozzle Positions	Nozzle Set 31 (Yellow) 102-0725		Nozzle Set 32 (Blue) 102-7001		Nozzle Set 33 (Brown) 102-0727		Nozzle Set 34 (Orange) 102-7002		Nozzle Set 35 (Green) 102-6908		Nozzle Set 36 (Gray) 102-0730		Nozzle Set 37 (Black) 102-4261	
	Red Plug 102-4335													
Back Nozzle Positions	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 102-2928	Yellow 102-6937	Gray 102-6945
Psi	**kPa**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**
50	340	17.4	49.2	17.7	58.7	19.5	82.9	20.7	92.4	—	—	—	—	—	—
65	450	17.7	55.3	18.3	68.1	20.7	92.4	22.0	106.4	23.2	121.9	—	—	—	—
80	550	18.3	61.3	19.2	77.6	22.0	101.8	23.2	117.7	24.4	134.7	25.3	144.6	25.9	157.1
100	690	18.9	67.8	20.1	88.6	22.9	112.8	24.1	132.1	25.6	148.8	26.8	164.3	27.8	177.5

FLX34 Series Performance Chart—15°

Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	15.9	48.8	16.2	59.0	18.3	82.1	18.9	96.5	—	—	—	—	—	—
65	450	16.2	54.5	16.5	64.7	18.6	91.6	19.5	106.0	20.4	121.5	—	—	—	—
80	550	17.1	60.6	17.4	71.9	19.8	100.7	21.0	117.3	22.3	134.4	23.2	143.8	23.5	156.3
100	690	17.4	66.2	18.0	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		FLX34-3134								FLX34-3537					

FLX54 Series Performance Chart—25° (Metric)

Front Nozzle Positions	Nozzle Set 51 (Yellow) 102-0725		Nozzle Set 52 (Blue) 102-7001		Nozzle Set 53 (Brown) 102-0727		Nozzle Set 54 (Orange) 102-7002		Nozzle Set 55 (Green) 102-6908		Nozzle Set 56 (Gray) 102-0730		Nozzle Set 57 (Black) 102-4261		Nozzle Set 58 (Red) 102-4260		Nozzle Set 59 (Beige) 102-4259	
	Red Plug 102-4335																	
Back Nozzle Positions	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	Gray 102-6945	Yellow 102-6937	Gray 102-6945	Yellow 102-6937	Gray 102-6945
Psi	**kPa**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**	**Radius**	**LPM**
50	340	17.7	50.0	18.0	59.4	19.5	83.3	21.4	99.2	-	-	-	-	-	-	-	-	-	-
65	450	18.3	56.0	18.6	66.2	20.7	93.9	22.6	110.9	24.1	129.4	-	-	-	-	-	-	-	-
80	550	18.6	62.1	19.5	75.7	22.0	104.5	23.8	123.4	25.3	143.8	25.9	154.0	26.5	169.9	27.8	190.0	29.3	210.4
100	690	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	190.0	29.0	209.7	30.2	233.9

FLX54 Series Performance Chart—15°

Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	340	15.9	50.0	16.2	59.8	18.6	83.3	19.8	98.4	-	-	-	-	-	-	-	-	-	-
65	450	16.2	56.0	16.5	65.9	19.2	93.9	20.4	110.5	21.0	129.1	-	-	-	-	-	-	-	-
80	550	17.1	62.1	17.7	73.4	20.7	104.5	22.0	123.0	22.9	143.1	24.1	152.9	24.7	168.8	25.9	188.9	26.5	209.3
100	690	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		FLX54-5154								FLX54-5558								FLX54-59	

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.
Actual site conditions must be considered when selecting the appropriate nozzle.
All sprinklers are equipped with the fixed pilot valve at pressure settings 65 or 80 psi.

FLX34 Nozzle Apex—(Metric)

Pressure	Nozzle	Apex at 15°	Apex at 25°
450 kPa	31	1.8 @ 15.6	4.0 @ 16.5
	32	1.8 @ 15.6	3.4 @ 19.5
	33	2.1 @ 18.0	4.0 @ 20.7
	34	2.4 @ 19.2	4.6 @ 22.6
	35	2.7 @ 20.1	4.6 @ 23.2
550 kPa	36	2.4 @ 22.9	5.5 @ 25.3
	37	2.7 @ 22.6	5.8 @ 25.0

FLX54 Nozzle Apex—(Metric)

Pressure	Nozzle	Apex at 15°	Apex at 25°
450 kPa	51	1.8 @ 15.6	4.0 @ 16.5
	52	1.8 @ 15.6	3.4 @ 19.5
	53	2.1 @ 18.0	4.0 @ 20.7
	54	2.4 @ 19.2	4.6 @ 22.6
	55	2.7 @ 20.1	4.6 @ 23.2
550 kPa	56	2.4 @ 22.9	5.5 @ 25.3
	57	2.7 @ 22.6	5.8 @ 25.0
	58	3.0 @ 25.0	5.5 @ 26.5
	59	3.4 @ 24.7	6.4 @ 27.1

FLEX800™ B SERIES GOLF ROTORS

The FLEX800™ B Series golf sprinkler family brings you all the great features and performance of the FLEX800 35-6, 35 and 34 Series sprinklers in a more economical body package specifically designed for block systems. With its rugged golf body design, small exposed surface diameter, flanged body for stability and check valve these sprinklers are perfect for every golf application.

Features & Benefits

Industries Largest Nozzle Selection

Nozzles from 7.6 – 29.0m radius, plus a wide assortment of intermediate and inner nozzles, provide unmatched flexibility allowing you to put the precise amount of water exactly where you need it. All nozzles threaded in from front.

True Part Full-Circle in One – (40° - 330° part circle)

These sprinklers can be full circle or part circle allowing you to adjust the area of coverage to match your seasonal and watering needs.

Flanged Cap Installs Below Grade

Stabilizes the body position and maintains optimum nozzle performance.

Small Exposed Diameter

Minimizes the appearance of the sprinkler to maximize the beauty of the course. Perfect for high traffic areas like tees, greens and surrounds.

Nozzle Trajectory Provides Unmatched Performance
FLX35-6B with TruJectory™ adjustment from 7°-30° in 1° increments and FLX35/FLX34 models with dual trajectory settings of 25° or 15° provide improved wind performance, obstacle avoidance and radius adjustment.

FLX35-6B *FLX34B and FLX35B*

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

Features
- Ratcheting riser
- Nozzle base clutching – Part circle models

Operating Specifications
- Inlet:
  - 25mm (1") ACME
- Radius:
  - FLX35-6B: 9m – 29m
  - FLX35B: 9m – 27m
  - FLX34B: 17m – 29m
- Flow Rate:
  - FLX35-6B: 26.8 – 198.7 LPM
  - FLX35B: 31.0 – 213.1 LPM
  - FLX34B: 49.2 – 209.7 LPM
- Precipitation Rates:
  - FLX35-6B: 8.6 – 14.2 mm/hr
  - FLX35B: 9.3 – 17.0 mm/hr
  - FLX34B: 8.3 – 14.9 mm/hr
- Recommended Operating Pressure
  - 65-100 psi
- Trajectory:
  - FLX35-6B – 7°-30° in 1° increments; 24 positions
  - FLX35B - 15° or 25° - 2 positions
  - FLX34B - 15° or 25° - 2 positions
- Check-O-Matic feature prevents low head drainage up to 3m 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, FLX35: 3
  - FLX34: 2
- Radius reduction screw for fine tuning the radius (363-4839). Standard on FLX35B; optional on FLX34B and not available on FLX35-6B models

Dimensions
- Body diameter: 15.2cm
- Body height: 21.6cm
- Weight:
  - FLX35-6B: 0.9kg
  - FLX35B: 0.9kg
  - FLX34B: 0.89kg
- Pop-up height to nozzle: 8.25cm

Warranty: Two years; Five years when installed with Toro Swing Joints

Specifying Information—B Series

FLX3XB-42-XXXXX

Series	*Arc*	*System*	*Thread Type*	*Valve Type*	*Nozzle*
FLX3	X	**B**	**4**	**2**	XXXX
FLX3—FLEX800 B Series	**4—Full-Circle** **5—Part-/Full-Circle** **5-6--Part-/Full-Circle with TruJectory**	**B—Block**	**4—ACME**	**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 - ACME threads, #34 nozzle, you would specify: FLX34B–42–3134

FLX35-6B Series Performance Chart—25° (Metric)

Base Pressure		Nozzle Set 30 (White) 102-2208		Nozzle Set 31 (Yellow) 102-4587		Nozzle Set 32 (Blue) 102-4588		Nozzle Set 33 (Brown) 102-4589		Nozzle Set 34 (Orange) 102-0728		Nozzle Set 35 (Green) 102-0729		Nozzle Set 36 (Gray) 102-0730		Nozzle Set 37 (Black) 102-4261		Nozzle Set 38 (Red) 102-6909	
		Blue 102-2925	Gray 102-2910	Blue 102-2925	Gray 102-2910	Red 102-2928	Gray 102-2910	Orange 102-2926	Gray 102-2910	Orange 102-2926	Gray 102-2910	Blue 102-2925	Gray 102-2910	Blue 102-2925	Gray 102-2910	Orange 102-2926	Gray 102-2910	Blue 102-2925	Gray 102-2910
		Back Nozzle 102-4335 Red Plug																	
Psi	kPa	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM	Radius	LPM
50	345	13	26.9	16	53.0	18	68.1	—	—	—	—	—	—	—	—	—	—	—	—
60	414	13	30.0	16	57.5	18	73.9	20	82.9	—	—	—	—	—	—	—	—	—	—
70	483	14	33.1	17	62.1	19	79.6	21	89.3	23	123.8	23	133.2	—	—	—	—	—	—
80	552	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
90	621	14	39.4	18	70.0	21	90.5	22	101.2	24	140.0	25	151.0	26	158.6	27	173.7	28	189.3
100	689	15	42.4	18	73.4	21	95.4	23	106.7	24	147.2	26	158.2	27	166.9	27	183.2	29	198.7
Stator		102-6929 Blue		102-1939 Yellow								102-1940 White							
Conversions				INF35-6-3134 (Requires screen replacement)								INF35-6-3537 (Requires screen replacement)							

FLX35B Series Performance Chart—25° (Metric)

Front Nozzle Positions		Nozzle Set 30 (White Plug) 102-2208		Nozzle Set 31 (Yellow) 102-6906		Nozzle Set 32 (Blue) 102-0726		Nozzle Set 33 (Brown) 102-6907		Nozzle Set 34 (Orange) 102-0728		Nozzle Set 35 (Green) 102-6955		Nozzle Set 36 (Gray) 102-6935		Nozzle Set 37 (Black) 102-6936		Nozzle Set 38 (Red) 102-6909	
Back Nozzle Positions		Yellow 102-5670	Biege 102-6942	Yellow 102-5670	Brown 102-5671	Yellow 102-5670	Yellow 102-6884	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 Nozzles 102-4335 Red Plug																	
Psi	kPa	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm
50	345	13	31.0	17	51.5	17	69.3	—	—	—	—	—	—	—	—	—	—	—	—
60	414	13	35.2	17	56.8	18	76.1	19	91.6	—	—	—	—	—	—	—	—	—	—
70	483	14	39.3	18	61.3	18	82.5	20	99.5	21	113.6	22	140.0	—	—	—	—	—	—
80	552	14	43.5	18	65.5	19	88.2	20	106.0	22	121.5	23	149.9	24	162.4	24	184.0	26	191.5
90	621	14	47.1	18	69.6	19	93.5	21	112.8	22	129.4	23	159.0	24	171.8	25	194.9	27	202.9
100	689	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 Chart—25° (Metric)

Front Nozzle Positions		Nozzle Set 31 (Yellow) 102-0725		Nozzle Set 32 (Blue) 102-7001		Nozzle Set 33 (Brown) 102-0727		Nozzle Set 34 (Orange) 102-7002		Nozzle Set 35 (Green) 102-6908		Nozzle Set 36 (Gray) 102-0730		Nozzle Set 37 (Black) 102-4261		Nozzle Set 38 (Red) 102-4260	
		Front Nozzles 102-4335 Red Plug															
Back Nozzle Positions		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	Gray 102-6945	Yellow 102-6937	Gray 102-6945
Psi	kPa	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm	rad/m	lpm
50	345	17	49.2	18	58.7	—	—	—	—	—	—	—	—	—	—	—	—
60	414	18	53.2	18	64.9	20	89.3	—	—	—	—	—	—	—	—	—	—
70	483	18	58.7	19	68.9	21	99.2	22	113.6	24	135.1	—	—	—	—	—	—
80	552	18	61.3	19	77.6	22	105.6	23	121.5	24	144.6	25	154.8	26	159.3	28	190.0
90	621	19	66.2	20	83.1	22	112.2	24	128.9	25	153.1	26	164.1	27	168.4	28	199.8
100	689	19	71.2	20	88.6	23	118.8	24	136.3	26	161.6	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)							

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 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.

Intermediate Nozzle Performance Charts

102-2929 Beige		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	30.7	17.4	17.1	16.4	15.7	14.8	13.8
60	410	33.7	18.7	18.4	17.4	16.7	15.4	14.8
65	450	35.2	19.0	18.4	17.7	16.7	16.1	15.1
70	480	36.3	19.4	18.7	18.4	17.4	16.4	15.7
80	550	39.0	20.0	19.7	19.0	18.4	17.4	16.4
90	620	41.3	20.7	20.0	19.4	18.7	17.7	16.7
100	690	43.5	21.3	20.7	19.7	19.0	18.0	16.7

102-2928 Red		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	23.8	17.4	16.7	15.7	15.1	14.1	13.1
60	410	26.5	18.0	17.4	16.4	15.7	14.8	13.8
65	450	27.3	18.4	17.7	17.1	16.1	15.4	14.4
70	480	28.4	18.7	18.0	17.4	16.7	16.1	15.1
80	550	30.3	19.4	19.0	18.4	17.7	17.1	16.1
90	620	32.2	19.7	19.0	18.7	18.0	17.4	16.4
100	690	34.1	20.0	19.4	18.7	18.0	17.4	16.4

102-2927 Gray		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	18.9	16.4	15.7	15.1	14.4	13.5	12.5
60	410	20.8	17.1	16.4	15.7	15.1	14.1	13.1
65	450	21.6	17.4	16.7	16.1	15.1	14.4	13.5
70	480	22.3	17.4	16.7	16.1	15.4	14.8	13.8
80	550	23.8	17.7	17.1	16.4	15.7	15.1	14.1
90	620	25.4	18.0	17.4	17.1	16.4	15.7	14.8
100	690	26.9	18.0	17.7	17.4	17.1	16.4	15.1

102-2926 Orange		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	16.3	15.7	15.1	14.4	13.8	12.8	11.5
60	410	17.8	16.4	15.7	15.1	14.4	13.5	12.5
65	450	18.5	16.7	16.1	15.4	14.8	13.8	12.8
70	480	19.3	16.7	16.4	15.7	15.1	14.1	13.1
80	550	20.4	17.1	16.7	16.4	15.7	14.8	13.8
90	620	22.0	17.4	17.1	16.7	16.1	15.4	14.4
100	690	23.1	17.7	17.4	17.1	16.4	15.7	14.8

102-2925 Blue		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	10.2	13.8	13.5	12.8	12.5	11.8	11.2
60	410	11.4	14.1	13.8	13.1	12.8	12.1	11.5
65	450	12.1	14.1	13.8	13.1	12.8	12.1	11.5
70	480	12.5	14.4	13.8	13.5	12.8	12.5	11.8
80	550	13.2	14.4	14.1	13.5	13.1	12.5	11.8
90	620	14.0	14.8	14.4	13.8	13.5	12.8	12.1
100	690	14.8	14.8	14.4	14.1	13.8	13.1	12.5

102-6885 Green		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	20.4	16.7	16.4	15.7	14.8	13.8	12.8
60	410	22.3	17.1	16.7	16.1	15.1	14.1	13.5
65	450	23.1	17.1	16.7	16.4	15.4	14.4	13.8
70	480	23.8	17.4	17.1	16.4	15.4	14.4	13.8
80	550	25.4	17.4	17.1	16.7	15.7	14.8	14.1
90	620	26.9	17.7	17.4	17.1	16.4	15.4	14.8
100	690	28.0	18.0	18.0	17.7	17.1	16.1	15.4

Intermediate Nozzle Performance Charts continued

102-6884 Yellow		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	15.5	15.7	15.4	14.8	13.5	12.5	11.5
60	410	17.0	16.1	15.7	15.4	14.4	13.5	12.5
65	450	17.8	16.4	16.1	15.7	14.8	13.8	12.8
70	480	18.2	16.4	16.1	15.7	14.8	14.1	13.1
80	550	19.3	16.7	16.4	16.1	15.4	14.4	13.5
90	620	20.4	17.4	17.1	16.4	15.7	14.8	13.8
100	690	22.0	17.7	17.4	16.7	16.1	15.1	14.1

102-6883 Brown		Trajectory	30°	25°	20°	15°	10°	7°
Pressure		Flow	Radius	Radius	Radius	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters	Meters	Meters	Meters
50	340	9.1	13.5	13.1	12.5	11.8	10.8	9.8
60	410	9.8	14.1	13.8	13.1	12.5	11.8	10.8
65	450	10.2	14.4	13.8	13.5	12.8	12.1	11.2
70	480	10.6	14.8	14.1	13.8	13.1	12.5	11.5
80	550	11.4	15.1	14.8	14.1	13.5	13.1	11.8
90	620	12.1	15.1	14.8	14.4	13.8	13.5	12.1
100	690	12.9	15.1	14.8	14.4	14.1	13.5	12.5

Inner Nozzle Performance Charts*

102-6937 Yellow		Trajectory	30°	25°	20°
Pressure		Flow	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters
50	340	14.0	8.5	7.9	6.6
60	410	15.1	9.2	8.2	7.2
65	450	15.9	9.2	8.2	7.2
70	480	16.7	9.2	8.5	7.5
80	550	17.8	9.2	8.5	7.9
90	620	18.9	9.5	8.9	8.2
100	690	19.7	9.8	9.5	8.9

102-6531 Green		Trajectory	30°	25°	20°
Pressure		Flow	Radius	Radius	Radius
PSI	kPa	LPM	Meters	Meters	Meters
50	340	15.1	10.5	9.8	8.5
60	410	16.3	11.2	10.2	8.9
65	450	17.0	11.2	10.2	8.9
70	480	17.8	11.2	10.2	9.2
80	550	18.9	11.2	10.5	9.5
90	620	20.1	11.2	10.5	9.5
100	690	21.2	11.5	10.8	9.8

* Not recommended below 20°

Main Nozzle Adaptor P/N 118-1521

Back Nozzle Performance Data

Nozzles			65 Psi / 450 kPa		80 Psi / 550 kPa		
Part #	Description	Color	Radius - m	LPM	Radius - m	LPM	Profile
102-6937	Inner Nozzle with Yellow Restrictor	Yellow/Yellow	8.8	14.0	9.2	15.5	
102-6531	Inner Nozzle with White Restrictor	Green/White	9.5	16.3	10.1	17.4	
102-2135	Inner Nozzle with White Restrictor	White/White	7.6	15.5	7.9	17.0	
102-2136	Inner Nozzle with Yellow Restrictor	Yellow/Yellow	7.3	14.4	7.6	15.5	
102-6883	Intermediate Nozzle	Brown	11.6	10.6	11.6	10.6	
102-6884	Intermediate Nozzle	Yellow	12.5	15.5	13.1	17.0	
102-6885	Intermediate Nozzle	Green	12.8	20.4	13.7	22.7	
102-2925	Intermediate Nozzle	Blue	12.2	10.6	12.8	12.1	
102-2926	Intermediate Nozzle	Orange	13.4	16.3	13.7	18.2	
102-2927	Intermediate Nozzle	Gray	14.0	19.3	14.3	20.4	
102-2928	Intermediate Nozzle	Red	14.6	24.6	15.3	26.5	
102-2929	Intermediate Nozzle	Beige	15.6	30.7	16.2	34.4	

For more information,
phone 1300 130 898 or visit www.toro.com.au

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