570Z Classic Series *Sprinklers*

0-5,5m (0'-18') Radius

Featuring a low-pressure seal that flushes only upon retraction, 570Z models are ideal for small garden and turf areas. Seven distinct pop-up sprinkler bodies and a host of interchangeable fixed or variable arc nozzles provide unlimited design flexibility.

Key Features

- Zero flush seal prevents flushing on pop-up, enabling more heads to be placed on same zone
- Low-pressure sealing at 1 Bar (15 PSI)
- Retraction flushing clears debris for reliable pop-down
- Accepts all Toro spray nozzles – including 570 MPR Plus fixed, Toro Variable Arc, Precision™ Series, bubbler and low angle nozzles
- All bodies shipped with a flush plug in place for ease of flushing and riser pull up
- Ratcheting riser permits easy arc adjustment in the field

Additional Features

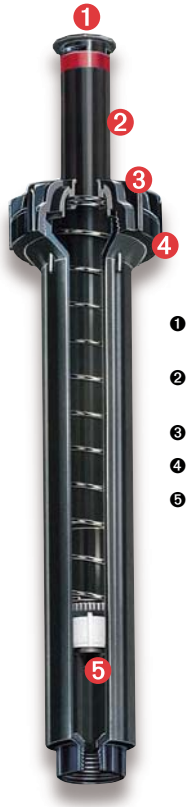
- Small, 50mm (2") diameter black cap is less visible, reducing damage from exposure or vandals
- Accepts Maxijet® micro-spray nozzles for low-application-rates
- Check valve models with heavy-duty retraction spring prevent low-head drainage and keep laterals charged with water (optional)
- Side-inlet models available on both 150mm (6") and 300mm (12") sprinkler bodies for sandy soils or applications prone to high pressure surges and spikes
- Durable engineered plastic construction

Zero flush seal

- Stainless-steel retraction spring

Specifications

- Spacing: 0,6-5,5m (2'-18')
- Flow rate: 0,2-17 LPM (0.05-4.58 GPM)
- Recommended operating pressure: 1,4-3,5 Bar (20-50 PSI)
- Maximum operating pressure: 5,2 Bar (75 PSI)
- Minimum operating pressure for COM models: 1,7 Bar (25 PSI)
- 13mm (1⁄2") female-threaded inlet
- Check valve maintains up to 3m (10') in elevation change (The Check-O-Matic feature requires use of the bottom inlet.)
- Dimensions:
  - Body diameter:
    - 35mm (13⁄8") on shrub, 2P, 3P, 4P, 6P and 6P-SI bodies
    - 41mm (15⁄8") on 12P bodies
    - 44mm (13⁄4") on 12P-SI bodies
  - Cap diameter: 50mm (2")
  - Side inlet: 120mm (43⁄4") from top of sprinkler to center of side inlet



570Z-6P-COM

❶ *MPR Plus nozzle with standard PCD's*

❷ *Ratcheting riser lets you fine-tune after installation*

❸ *Zero flush on pop up*

❹ *50mm (2") cap diameter*

❺ *Optional: Check-O-Matic seal installed into riser prevents low-head drainage*

570Z Series – *Specifying Information*

570X - XXP - SI - COM - E

Model	*Pop-Up Height*	*Optional*	*Optional*
Z – Lawn-Pop and High-Pop S – Shrub	2 – 50mm (2") 3 – 75mm (3") 4 – 100mm (4") 6 – 150mm (6") 12 – 300mm (12"	SI – Side Inlet for 150 and 300mm (6" and 12")	COM – Check-O-Matic* E – Effluent

For Example:
When specifying a 570Z Series Sprinkler with a pop-up height of 150mm (6") and a check valve, you would specify:
570Z-6P-COM

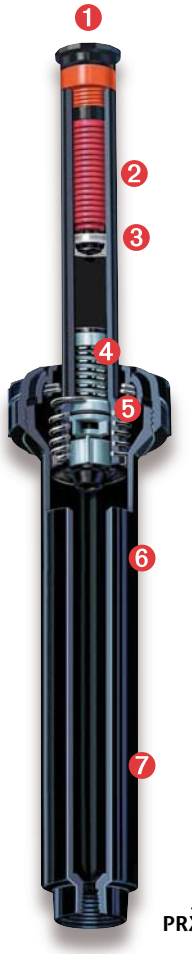
**Not available on side inlet models*
**COM feature requires use of bottom inlet only.*

570Z XF/PR/PRX Series *Sprayheads*

0-5,5m (0'–18') Radius

Key Features (XF Series)

- All the features of the 570Z Classic Series plus:
- Patented X-Flow® high-flow shut-off device built into the riser
- Restricts water loss by 99% if the nozzle is removed or damaged, eliminating potential erosion or safety-issues
- Allows for "dry" nozzle and filter-replacement or maintenance, while the system is running



570Z PRX Series

❶ ***MPR Plus nozzle***
❷ ***Nozzle filter screen***
❸ ***Patented X-Flow® shut-off device***
❹ ***Patented in-riser pressure regulator maintains constant 2 Bar (30 PSI) outlet pressure***
❺ ***Zero-flush seal prevents flushing on pop-up***
❻ ***Optional side inlet on non-Check-O-Matic models (not illustrated)***
❼ ***Optional Check-O-Matic seal prevents low-head drainage***

Key Features (PR Series)

- All the features of the 570Z Classic Series plus:
- Patented in-riser pressure regulator
  - Maintains constant 2 Bar (30 PSI) outlet pressure
  - Eliminates misting and fogging caused by pressures above 2 Bar (30 PSI)
  - Ideal for applications with high or varying operating pressure, including long runs and slopes.

Without X-Flow® Device
At 40 psi, the standard pressure fixed spray with a missing nozzle wastes water at a rate of 40 GPM

With X-Flow® Device
That same fixed spray with an X-Flow feature wastes almost no water—99% less.

Note: You must have a nozzle screen or flush plug in place to deactivate the X-Flow® function. Without either, there will not be flow through the sprinkler.

Key Features (PRX Series)

- All the features of the 570Z Classic Series plus:
- Patented X-Flow® high-flow shut-off device built into the riser
  - Restricts water loss by 99% if the nozzle is removed or damaged, eliminating potential erosion or safety-issues
  - Allows for "dry" nozzle and filter-replacement or maintenance, while the system is running
- Patented in-riser pressure regulator
  - Maintains constant 2 Bar (30 PSI) outlet pressure
  - Eliminates misting -and fogging caused by pressures above 2 Bar (30 PSI)
  - Ideal for applications with high or varying operating pressure, including long runs and slopes.
- Extended 5-year warranty

Without pressure regulator

With pressure regulator

570Z Series Specifying Information

570X - XXP - SI - XXX - COM - E

Model	*Pop-Up Height*	*Optional*	*570Z Style*	*Optional*
Z–Lawn Pop-up and High Pop S–Shrub	12– 300mm (12") 6– 150mm (6") 4– 100mm (4")	SI – Side Inlet*	XF–with X-Flow® PR–with Pressure Regulator PRX–with X-Flow® and Pressure Regulator	COM – Check Valve** E – Effluent

For Example:
When specifying 570Z PRX Series sprinkler with a pop-up height of 150mm (6") with a side inlet and non-potable water option, you would specify:

570Z – 6P – SI – PRX – E

**Available for 150mm (6") and 300mm (12") models.*
***COM feature requires use of bottom inlet only.*

570 MPR Plus Series *Fixed Arc Nozzles*

True matched precipitation rates and color coding by radius are just a few of the performance features of 570 MPR Plus spray nozzles. Fits any 570 pop-up body, shrub adapter, riser extender or shrub riser.

Key Features

- Matched precipitation rates ensure all nozzles (every radius and pattern) apply water at the same rate
- Low-flow rates allow for more sprinklers to be placed on the same zone
- Free PCDs eliminate fogging, conserve water and provide precise flow rates; available pre-installed or separate
- Color coding by radius for easy identification
- Complete selection of arcs for all radius options – full, 3/4, 2/3, 1/2, 1/3 and 1/4

Additional Features

- Uniform watering patterns eliminate over and under throw; refined design of part-circle patterns for better arc
- Precise radius/flow adjustment, will not lose adjustment
- 1,5m (5') nozzles adjust to 1m (3')
- Standard and special spray patterns for small areas
- Full set of arcs for 3, 2,4 and 1,5m (10', 8' and 5') radius nozzles
- 1,2 x 5,5m (4'x18') side strip ideal for parking lot medians
- 0,6 x 1,8m (2'x6') for small planter beds and other narrow areas
- 5 levels of trajectory
- Convenient nozzle packaging – nozzles and screens packed separately in attached bags
- Fine-mesh filter screens prevent clogging of lower volume nozzles
- Adjustment screw allows up to 25% reduction in radius and complete shutoff

Specifications

- Flow rate: 0,2–17 LPM (0.05–4.58 GPM)
- Operating pressure for optimum nozzle performance:
- 2 Bar (30 PSI)
- Recommended operating pressure range:
- 1,4-3,5 Bar (20-50 PSI)
- Maximum operating pressure: 5,2 Bar (75 PSI)

570 MPR Plus Nozzle

❶ ***Radius-adjustment screw provides 25% radius reduction and complete shutoff***

❷ ***Precision molded opening to ensure true matched precipitation rates***

❸ ***Color-coded band to indicate radius***

❹ ***Threaded to fit any Toro 570 pop-up body, riser or adapter***

❺ ***Free pressure-compensating device maintains constant performance***

Apex at 2 Bar (30 PSI)

Nozzle Series	Maximum Height of Spray				
	27˚	23˚	12˚	5˚	0˚
4,6m (15')	1,4m (4'8")				
3,7m (12')		1,1m (3'7")			
3m (10')			0,7m (2'4")		
2,4m (8')				0,66m (2'2")	
1,5m (5')					0,46m (1'6")

570 Series Nozzle Screens

White	Red	Red and Metal
4,6m (15') Series	2,4m (8') Series	1,5m (5') Series
3,7m (12') Series	1,2 x 9,1m (4'x30') SST	0,6 x 1,8m (2'x6') SST
3m (10') Series	1,2 x 5,5m (4'x18') SST	10˚ Stream Spray Series
1,2 x 9,1m (4'x30') CST Stream Bubblers		35˚ Stream Spray Series Flood Bubbler Series
Flat-Spray (Non-MPR)		Flat-Spray, Low Volume (Non-MPR)
1,2 x 9,1m (4'x30') EST		
2,7 x 5,5m (9'x18') SST		

**Indicates screen provided with nozzle. Refer to current Parts Breakout Book for more information.*

570 MPR Series Specifying Information

XX - XXX - PC

Radius	*Arc*		*Optional*
5–1,5m (5') 8–2,4m (8') 10–3,0m (10') 12–3,7m (12') 15–4,6m (15')	Q—90° T—120° H—180° TT—240° TQ—270°	F—360° EST—End Strip CST—Center Strip SST—Side Strip	PC – Pressure Compensating

For Example: When specifying a 570 MPR Plus Nozzle with a spray of 3m (10'), 180° arc and pressure compensation, you would specify:

10-H-PC

Note: To specify a 570 MPR Plus nozzle with a 570Z sprinkler body, attach the body specification (pg. 11-12) before the above nozzle specification.

570 MPR Plus Series *Fixed Arc Nozzles (continued)*


5 Series


8 Series


10 Series


12 Series


15 Series


Special Patterns

570 MPR Series – Performance Data *(Metric)*

Pressure				5 Series w/ 0° Trajectory ●				8 Series w/ 5° Trajectory ●				10 Series w/ 12° Trajectory ●				12 Series w/ 23° Trajectory ●				15 Series w/ 27° Trajectory ●				Special Patterns ●			
Nozzle	Bar	kPa	Kg/cm2	Flow (LPM)	Radius (m)	Prec. Rate* ▲	Prec. Rate* ■	Flow (LPM)	Radius (m)	Prec. Rate* ▲	Prec. Rate* ■	Flow (LPM)	Radius (m)	Prec. Rate* ▲	Prec. Rate* ■	Flow (LPM)	Radius (m)	Prec. Rate* ▲	Prec. Rate* ■	Flow (LPM)	Radius (m)	Prec. Rate* ▲	Prec. Rate* ■	Nozzle	Flow (LPM)	Special Patterns (W x L)	Prec. Rate* ■
90°	1,5	150	1,53	0,22	1,3	9,0	7,8	0,69	2,2	9,9	8,5	1,20	2,8	10,6	9,2	1,58	3,4	9,5	8,2	2,69	4,3	10,1	8,7		1,48	1,0 x 3,8	23,3
	2,0	200	2,04	0,33	1,5	10,1	8,8	0,88	2,4	10,6	9,2	1,48	3,0	11,4	9,9	1,85	3,6	9,9	8,6	3,15	4,5	10,8	9,3		1,68	1,2 x 4,5	18,6
	2,5	250	2,55	0,41	1,6	11,1	9,6	0,96	2,5	10,6	9,2	1,75	3,2	11,8	10,2	2,13	3,8	10,2	8,8	3,67	4,8	11,0	9,5		1,89	1,4 x 5,1	15,9
	3,0	300	3,06	0,49	1,7	11,7	10,2	1,02	2,6	10,4	9,0	2,03	3,5	11,5	9,9	2,31	4,0	10,0	8,6	4,19	4,9	12,1	10,5		2,10	1,6 x 5,7	13,8
	3,5	350	3,57	0,58	1,8	12,4	10,7	1,11	2,8	9,8	8,5	2,30	3,7	11,6	10,1	2,39	4,0	10,3	8,9	4,71	4,9	13,6	11,8		2,29	1,9 x 6,1	11,8
PC	2,07-2,76	207-276	2,11-2,82	0,34	1,5	10,5	9,1	0,83	2,4	10,0	8,6	1,25	3,0	9,6	8,3	1,82	3,7	9,2	8,0	2,84	4,6	9,3	8,0		1,63	1,2 x 4,4	18,5
	2,76-5,18	276-518	2,82-5,28	0,38	1,5	11,7	10,1	0,95	2,4	11,4	9,9	1,40	3,0	10,8	9,3	2,01	3,7	10,2	8,8	3,07	4,6	10,0	8,7		1,89	1,2 x 4,4	21,4
120°	1,5	150	1,53	0,30	1,3	12,3	10,6	0,92	2,2	13,1	11,4	1,66	2,8	14,6	12,7	2,26	3,4	13,5	11,7	3,70	4,2	14,5	12,6		2,94	1,0 x 7,6	23,2
	2,0	200	2,04	0,44	1,5	13,5	11,7	1,11	2,4	13,3	11,5	1,93	3,0	14,8	12,8	2,67	3,6	14,3	12,3	4,11	4,5	14,0	12,2		3,35	1,2 x 9,0	18,6
	2,5	250	2,55	0,55	1,6	14,9	12,9	1,28	2,5	14,2	12,3	2,28	3,2	15,4	13,3	3,08	3,8	14,8	12,8	4,64	4,7	14,5	12,6		3,74	1,2 x 9,1	20,5
	3,0	300	3,06	0,66	1,7	15,8	13,7	1,42	2,6	14,5	12,6	2,59	3,5	14,6	12,7	3,43	3,9	15,6	13,5	5,12	4,7	16,0	13,9		4,10	1,2 x 9,3	22,0
	3,5	350	3,57	0,77	1,8	16,4	14,2	1,53	2,8	13,5	11,7	2,87	3,7	14,5	12,6	3,70	4,0	16,0	13,9	5,53	4,7	17,3	15,0		4,43	1,2 x 9,5	23,3
PC	2,07-2,76	207-276	2,11-2,82	0,45	1,5	13,8	12,0	1,10	2,4	13.2	11,4	1,67	3,0	12,8	11,1	2,42	3,7	12,2	10,6	3,79	4,6	12,4	10,7		3,26	1,2 x 9,1	17,9
	2,76-5,18	276-518	2,82-5,28	0,49	1,5	15,1	13,0	1,33	2,4	16.0	13,8	1,89	3,0	14,5	12,6	2,65	3,7	13,4	11,6	4,16	4,6	13,6	11,8		3,79	1,2 x 9,1	20,8
180°	1,5	150	1,53	0,44	1,3	18,0	15,6	1,49	2,3	21,3	18,4	2,34	2,8	20,6	17,9	3,69	3,4	22,1	19,1	5,37	4,1	22,1	19,1		3,92	2,7 x 5,5	15,8
	2,0	200	2,04	0,69	1,5	21,2	18,4	1,84	2,4	22,1	19,1	2,65	3,0	20,4	17,6	4,07	3,6	21,7	18,8	6,14	4,5	21,0	18,2		4,47	2,7 x 5,5	18,0
	2,5	250	2,55	0,81	1,6	21,9	19,0	2,08	2,5	23,0	19,9	3,02	3,2	20,4	17,7	4,62	3,8	22,1	19,2	7,12	4,8	21,4	18,5		4,97	2,7 x 5,9	18,7
	3,0	300	3,06	0,92	1,7	22,0	19,1	2,29	2,6	23,4	20,3	3,40	3,4	19,2	16,6	5,25	4,1	23,9	20,7	7,81	4,9	22,5	19,5		5,45	2,8 x 6,3	18,5
	3,5	350	3,57	1,03	1,8	22,0	19,0	2,48	2,8	21,9	18,9	3,79	3,5	19,1	16,6	5,94	4,3	25,7	22,2	8,13	4,9	23,4	20,3		5,92	3,1 x 6,8	16,8
PC	2,07-2,76	207-276	2,11-2,82	0,68	1,5	20,9	18,1	1,67	2,4	20,1	17,4	2,50	3,0	19,2	16,6	3,63	3,7	18,3	15,9	5,68	4,6	18,6	16,1		4,16	2,7 x 5,5	16,8
	2,76-5,18	276-518	2,82-5,28	0,76	1,5	23,4	20,2	1,89	2,4	22,7	19,7	2,84	3,0	21,8	18,9	4,00	3,7	20,2	17,5	6,25	4,6	20,4	17,7		4,54	2,7 x 5,5	18,3
240°	1,5	150	1,53	0,63	1,3	25,8	22,3	2,21	2,2	31,6	27,4	2,86	2,8	25,2	21,9	4,46	3,4	26,7	23,1	7,02	4,3	26,3	22,7		2,63	1,2 x 7,6	17,3
	2,0	200	2,04	0,91	1,5	28,0	24,2	2,60	2,4	31,2	27,0	3,57	3,0	27,4	23,8	5,36	3,6	28,6	24,8	8,17	4,5	27,9	24,2		3,31	1,2 x 9,0	18,4
	2,5	250	2,55	1,06	1,6	28,6	24,8	2,89	2,5	31,7	27,4	3,98	3,1	26,9	23,3	5,91	3,8	28,3	24,5	9,42	4,8	28,3	24,5		3,74	1,2 x 9,5	19,7
	3,0	300	3,06	1,20	1,7	28,7	24,9	3,13	2,6	32,0	27,7	4,28	3,3	24,2	20,9	6,40	3,9	29,1	25,2	10,31	4,9	29,7	25,7		4,10	1,3 x 9,9	19,1
	3,5	350	3,57	1,34	1,8	43,3	37,5	3,35	2,8	29,6	25,6	4,53	3,4	22,9	19,8	6,86	4,0	29,7	25,7	10,80	4,9	31,1	26,9		4,43	1,5 x 10,1	17,5
PC	2,07-2,76	207-276	2,11-2,82	0,87	1,5	26,7	23,2	2,23	2,4	26,8	23,2	3,40	3,0	26,1	22,6	4,85	3,7	24,5	21,2	7,57	4,6	24,7	21,4		3,33	1,2 x 9,1	18,3
	2,76-5,18	276-518	2,82-5,28	1,02	1,5	31,4	27,2	2,65	2,4	31,8	27,6	3,79	3,0	29,1	25,2	5,30	3,7	26,8	23,2	8,33	4,6	27,2	23,6		3,79	1,2 x 9,1	20,8
270°	1,5	150	1,53	0,82	1,3	33,6	29,1	2,47	2,2	35,3	30,6	3,25	2,8	28,7	24,8	4,31	3,3	25,8	22,3	8,28	4,1	34,1	29,5		0,31	0,6 x 1,6	19,3
	2,0	200	2,04	1,06	1,5	32,6	28,2	2,83	2,4	34,0	29,4	3,85	3,0	29,6	25,6	5,68	3,6	30,3	26,3	9,65	4,5	33,0	28,5		0,34	0,6 x 1,8	18,9
	2,5	250	2,55	1,22	1,6	33,0	28,5	3,11	2,5	34,4	29,8	4,32	3,1	29,2	25,3	6,10	3,8	29.2	25.3	10,79	4,7	33,8	29,3		0,36	0,6 x 2,0	18,0
	3,0	300	3,06	1,37	1,7	32,8	28,4	3,35	2,6	34,3	29,7	4,74	3,3	26,8	23,2	6,44	3,9	29,3	25,4	11,89	4,8	35,7	30,9		0,41	0,7 x 2,1	16,7
	3,5	350	3,57	1,53	1,8	43,3	37,5	3,54	2,8	31,2	27,0	5,15	3,4	26,0	22,5	6,86	4,0	29,7	25,7	12,98	4,9	37,4	32,4		0,46	0,9 x 2,1	14,6
PC	2,07-2,76	207-276	2,11-2,82	0,98	1,5	30,1	26,1	2,42	2,4	29,1	25,2	3,75	3,0	28,8	25,0	5,45	3,7	27,5	23,8	8,71	4,6	28,5	24,7		0,34	0,6 x 1,8	18,9
	2,76-5,18	276-518	2,82-5,28	1,10	1,5	33,8	29,3	2,65	2,4	31,8	27,6	4,13	3,0	31,7	27,5	6,06	3,7	30,6	26,5	9,47	4,6	31,0	26,8		0,38	0,6 x 1,8	21,1
360°	1,5	150	1,53	1,03	1,3	42,2	36,5	2,97	2,2	42,4	36,8	4,45	2,7	39,3	34,0	6,67	3,4	39,9	34,6	11,29	4,1	46,5	40,2		1,80	1,2 x 5,2	17,3
	2,0	200	2,04	1,39	1,5	42,7	37,0	3,69	2,4	44,3	38,4	5,50	3,0	42,3	36,6	8,09	3,6	43,2	37,4	13,34	4,5	45,6	39,5		2,05	1,2 x 5,5	18,6
	2,5	250	2,55	1,60	1,6	43,2	37,4	4,16	2,5	46,0	39,9	5,92	3,1	40,0	34,6	8,67	3,8	41,5	36,0	15,05	4,8	45,2	39,1		2,27	1,2 x 5,7	19,9
	3,0	300	3,06	1,81	1,7	43,3	37,5	4,58	2,6	46,9	40,6	6,41	3,3	36,2	31,3	9,36	3,9	42,6	36,9	16,40	4,9	47,2	40,9		2,49	1,3 x 5,8	19,8
	3,5	350	3,57	2,03	1,8	43,3	37,5	4,96	2,8	43,8	37,9	7,07	3,4	35,7	30,9	10,32	4,0	44,6	38,6	17,45	4,9	50,3	43,5		2,71	1,5 x 5,8	18,7
PC	2,07-2,76	207-276	2,11-2,82	1,33	1,5	40,9	35,4	3,22	2,4	38,7	33,5	5,04	3,0	38,7	33,5	7,27	3,7	36,7	31,8	11,36	4,6	37,1	32,2		1,89	1,2 x 5,5	17,2
	2,76-5,18	276-518	2,82-5,28	1,48	1,5	45,5	39,4	3,79	2,4	45,5	39,4	5,72	3,0	44,0	38,1	7,95	3,7	40,2	34,8	12,49	4,6	40,8	35,4		2,23	1,2 x 5,5	20,2

▲ *Precipitation rates are for triangular spacing, shown in millimeters (Metric) or inches (English) per hour, calculated at 50% of diameter.*
■ *Precipitation rates are for square spacing, shown in millimeters (Metric) or inches (English) per hour, calculated at 50% of diameter.*
All performance specifications are based on the stated working pressure available at the base of the sprinkler.

570 MPR Plus Series *Fixed Arc Nozzles (continued)*


5 Series


8 Series


10 Series


12 Series


15 Series


Special Patterns

570 MPR Series – Performance Data *(English)*

	Pressure	5 Series with 0° Trajectory ●				8 Series with 5° Trajectory ●				10 Series with 12° Trajectory ●				12 Series with 23° Trajectory ●				15 Series with 27° Trajectory ●				Special Patterns ●			
Nozzle	PSI	Flow GPM	Radius (ft)	Prec. Rate* ▲	Prec. Rate* ■	Flow GPM	Radius (ft)	Prec. Rate* ▲	Prec. Rate* ■	Flow GPM	Radius (ft)	Prec. Rate* ▲	Prec. Rate* ■	Flow GPM	Radius (ft)	Prec. Rate* ▲	Prec. Rate* ■	Flow GPM	Radius (ft)	Prec. Rate* ▲	Prec. Rate* ■	Nozzle	Flow GPM	Special Patterns (W x L)	Prec. Rate* ■
90°	20	0.05	4	1.40	1.21	0.17	7	1.55	1.34	0.30	9	1.66	1.44	0.40	11	1.48	1.28	0.68	14	1.55	1.34		0.38	3 x 12	2.03
	30	0.09	5	1.61	1.40	0.24	8	1.68	1.45	0.40	10	1.79	1.55	0.50	12	1.55	1.35	0.85	15	1.69	1.46		0.45	4 x 15	1.44
	40	0.12	6	1.78	1.54	0.26	9	1.61	1.39	0.50	11	1.85	1.60	0.60	13	1.64	1.42	1.04	16	1.82	1.57		0.53	5 x 18	1.13
	50	0.15	6	1.86	1.62	0.29	9	1.60	1.39	0.60	12	1.86	1.62	0.63	13	1.67	1.44	1.23	16	2.15	1.86		0.60	6 x 20	0.96
PC	30-40	0.09	5	1.61	1.40	0.22	8	1.54	1.33	0.33	10	1.48	1.28	0.48	12	1.49	1.29	0.75	15	1.49	1.29		0.43	4 x 15	1.38
	40-75	0.10	5	1.79	1.55	0.25	8	1.75	1.51	0.37	10	1.66	1.43	0.53	12	1.65	1.43	0.81	15	1.61	1.40		0.50	4 x 15	1.61
120°	20	0.07	4	1.47	1.27	0.23	7	1.58	1.36	0.42	9	1.74	1.51	0.57	11	1.58	1.37	0.95	14	1.75	1.52		0.75	3 x 24	2.01
	30	0.12	5	1.61	1.40	0.30	8	1.57	1.36	0.52	10	1.75	1.51	0.72	12	1.68	1.45	1.10	15	1.64	1.42		0.90	4 x 30	1.44
	40	0.16	6	1.78	1.54	0.36	9	1.67	1.45	0.65	11	1.80	1.56	0.87	13	1.87	1.62	1.30	16	1.82	1.57		1.04	4 x 30	1.67
	50	0.20	6	1.86	1.62	0.40	9	1.66	1.44	0.75	12	1.75	1.51	0.97	13	1.93	1.67	1.45	16	2.03	1.75		1.16	4 x 31	1.80
PC	30-40	0.12	5	1.61	1.40	0.29	8	1.52	1.32	0.44	10	1.48	1.28	0.64	12	1.49	1.29	1.00	15	1.49	1.29		0.86	4 x 30	1.38
	40-75	0.13	5	1.79	1.55	0.35	8	1.84	1.59	0.50	10	1.68	1.45	0.70	12	1.63	1.41	1.10	15	1.64	1.42		1.00	4 x 30	1.61
180°	20	0.10	4	1.40	1.21	0.37	8	1.47	1.27	0.60	9	1.66	1.44	0.95	11	1.76	1.52	1.37	13	1.79	1.55		1.00	9 x 18	1.19
	30	0.19	5	1.70	1.47	0.50	8	1.75	1.51	0.71	10	1.59	1.38	1.09	12	1.69	1.47	1.65	15	1.66	1.44		1.20	9 x 18	1.43
	40	0.23	6	1.70	1.47	0.58	9	1.80	1.56	0.85	11	1.57	1.36	1.30	13	1.72	1.49	2.02	16	1.77	1.53		1.38	9 x 20	1.48
	50	0.27	6	1.68	1.45	0.65	9	1.80	1.56	0.99	12	1.65	1.43	1.55	14	1.77	1.53	2.14	16	1.87	1.62		1.55	10 x 22	1.36
PC	30-40	0.18	5	1.61	1.40	0.44	8	1.54	1.33	0.66	10	1.48	1.28	0.96	12	1.49	1.29	1.50	15	1.49	1.29		1.10	9 x 18	1.31
	40-75	0.20	5	1.79	1.55	0.50	8	1.75	1.51	0.75	10	1.68	1.45	1.05	12	1.63	1.41	1.65	15	1.64	1.42		1.20	9 x 18	1.43
240°	20	0.15	4	1.57	1.36	0.56	7	1.92	1.66	0.71	9	1.47	1.27	1.12	11	1.55	1.35	1.78	14	1.59	1.38		0.65	4 x 24	1.30
	30	0.25	5	1.68	1.45	0.70	8	1.84	1.59	0.97	10	1.63	1.41	1.45	12	1.69	1.46	2.20	15	1.64	1.42		0.90	4 x 30	1.44
	40	0.30	6	1.66	1.44	0.80	9	1.86	1.61	1.10	11	1.67	1.45	1.63	13	1.75	1.52	2.66	16	1.74	1.51		1.04	4 x 32	1.56
	50	0.35	6	1.63	1.41	0.88	9	1.82	1.58	1.19	11	1.65	1.43	1.80	13	1.79	1.55	2.84	16	1.86	1.61		1.16	5 x 33	1.35
PC	30-40	0.23	5	1.54	1.34	0.59	8	1.55	1.34	0.89	10	1.49	1.29	1.28	12	1.49	1.29	2.00	15	1.49	1.29		0.88	4 x 30	1.41
	40-75	0.27	5	1.81	1.57	0.70	8	1.84	1.59	1.00	10	1.68	1.45	1.40	12	1.63	1.41	2.20	15	1.64	1.42		1.00	4 x 30	1.61
270°	20	0.20	4	1.86	1.61	0.63	7	1.92	1.66	0.82	9	1.51	1.31	1.05	11	1.42	1.23	2.10	13	1.85	1.61		0.08	2 x 5	1.54
	30	0.29	5	1.73	1.50	0.76	8	1.77	1.53	1.04	10	1.55	1.34	1.55	12	1.61	1.39	2.60	15	1.72	1.49		0.09	2 x 6	1.44
	40	0.34	6	1.68	1.45	0.86	9	1.78	1.54	1.20	11	1.62	1.41	1.65	13	1.58	1.36	3.00	16	1.86	1.61		0.10	2 x 7	1.38
	50	0.40	6	1.66	1.44	0.93	9	1.71	1.48	1.35	11	1.66	1.44	1.80	13	1.59	1.38	3.40	16	1.98	1.72		0.12	3 x 7	1.10
PC	30-40	0.26	5	1.55	1.34	0.64	8	1.49	1.29	0.99	10	1.48	1.28	1.44	12	1.49	1.29	2.30	15	1.53	1.32		0.09	2 x 6	1.44
	40-75	0.29	5	1.73	1.50	0.70	8	1.63	1.41	1.09	10	1.63	1.41	1.60	12	1.66	1.44	2.50	15	1.66	1.44		0.10	2 x 6	1.61
360°	20	0.25	4	1.75	1.51	0.74	7	1.69	1.46	1.11	9	1.72	1.49	1.67	11	1.54	1.34	2.85	13	1.89	1.63		0.46	4 x 17	1.30
	30	0.38	5	1.70	1.47	1.00	8	1.75	1.51	1.49	10	1.67	1.44	2.19	12	1.70	1.47	3.60	15	1.79	1.55		0.55	4 x 18	1.47
	40	0.45	6	1.66	1.44	1.16	9	1.80	1.56	1.61	11	1.63	1.42	2.35	13	1.68	1.46	4.20	16	1.84	1.59		0.63	4 x 19	1.60
	50	0.53	6	1.65	1.43	1.30	9	1.80	1.56	1.85	11	1.71	1.48	2.70	13	1.79	1.55	4.58	16	2.00	1.73		0.71	5 x 19	1.44
PC	30-40	0.35	5	1.57	1.36	.85	8	1.49	1.29	1.33	10	1.49	1.29	1.92	12	1.49	1.29	3.00	15	1.49	1.29		0.50	4 x 18	1.34
	40-75	0.39	5	1.75	1.51	1.00	8	1.75	1.51	1.51	10	1.69	1.46	2.10	12	1.63	1.41	3.30	15	1.64	1.42		0.59	4 x 18	1.58

▲ *Precipitation rates are for triangular spacing, shown in millimeters (Metric) or inches (English) per hour, calculated at 50% of diameter.*
■ *Precipitation rates are for square spacing, shown in millimeters (Metric) or inches (English) per hour, calculated at 50% of diameter.*
All performance specifications are based on the stated working pressure available at the base of the sprinkler.

Precision™ Series *Fixed Arc Nozzles*

The Toro-exclusive Precision™ Series technology brings new innovation and options to the spray nozzle category. The nozzle uses a rapid, oscillating stream to deliver water with a lower precipitation rate and superior distribution efficiencies.

Key Features

- Innovative rapid oscillating stream technology requires no moving parts
- Delivers larger droplet size for a lower precipitation rate and 35% less flow than regular MPR fixed spray nozzles
- Delivers more consistent and uniform application for Scheduling Coefficient of 1.5
- More stable spray patterns in both windy and variable pressure conditions up to 3.5 Bar (50 psi)
- Matched Precipitation Rates on all nozzles (every radius and pattern)
- Even with radius adjustment screw in use, maintains uniform application and MPR
- Radius adjustment screw allows up to 25% reduction in radius, complete shutoff, and bubbling mode

Additional Features

- Color-coding by radius for easy identification with five (5) radius options: 2,4m (5'), 3,0 (8'), 3,7m (10'), 4,6m (12'), 5,2m (15')
- Complete section of arcs for all radius options: 360°, 270°, 240°, 210°, 180°, 150°, 120°, 90°, 60° and (3) side strip nozzles (SST, LCS, RCS)
- Both a complete male- and female-threaded nozzle selection in all radius and arc options
- Convenient nozzle packaging - nozzles with attached screen packed in resealable bags
- Attached fine-mesh filter screen prevents clogging of lower volume nozzles

Specifications

- Flow Rate: .19 to 11.4 LPM (.05 to 3.00 GPM)
- Operating pressure rage: 1,0 to 3,5 Bar (15 psi to 50 psi)
  Maximum pressure: 4 Bar (60 psi)
- 5 levels of trajectory
  Maximum trajectory: 27°
- Precipitation rate: 25mm/hr (1"/hr)

NEW

Coming in 2009

TVAN *Variable Arc Nozzles*

Easily adjustable from 0° to 360°, the Toro Variable Arc Nozzles provide a variety of angle settings to precisely match any terrain. With the 570Z VAN, high-precision water application is easy to achieve.

Features

- Matched precipitation rates (MPR) within and between families
- Fits all Toro LPS and 570Z sprinkler bodies
- Infinitely adjustable arc from 0°–360°
- Five different nozzles for various radii
- Color-coded for easy identification
- Exceptional uniform coverage
- Adjustment screw allows up to 25% radius reduction
- Flow increases or decreases proportionately with radius adjustment
- Unique grip-and-turn adjustment—wet or dry
- Fine-mesh, snap-in green filter screens prevent clogging

Specifications

- Recommended operating pressure: 1,4–3,5 Bar (20–50 PSI)
- Maximum operating pressure: 5,2 Bar (75 PSI)

2,4m (8′) Green

3,0m (10′) Blue

3,7m (12′) Brown

4,6m (15′) Black

5,2m (17′) Gray

TVAN Variable Arc Nozzles – Performance Data *(Metric)*

		8 Series ●				10 Series ●				12 Series ●				15′ Series ●				17′ Series ●			
				Precip. Rate				Precip. Rate				Precip. Rate				Precip. Rate				Precip. Rate	
Pattern	Bar	LPM	Rad. (m)	▲	■.	LPM	Rad (m)	▲	■.	LPM	Rad (m)	▲	■.	LPM	Rad (m)	▲	■.	LPM	Rad (m)	▲	■.
90	1,50	1,30	2,20	74,44	64,46	1,80	2,80	63,63	55,10	3,00	3,40	71,92	62,28	3,90	4,60	51,08	44,23	4,60	4,90	53,10	45,98
	2,00	**1,40**	**2,40**	**67,36**	**58,33**	**1,90**	**3,00**	**58,51**	**50,67**	**3,10**	**3,60**	**66,29**	**57,41**	**4,20**	**4,60**	**55,01**	**47,64**	**5,10**	**5,20**	**52,27**	**45,27**
	2,50	1,60	2,60	65,59	56,80	2,30	3,00	70,82	61,33	3,80	3,80	72,93	63,16	4,90	4,80	58,94	51,04	5,80	5,40	55,12	47,74
	3,00	1,80	2,70	68,43	59,26	2,60	3,00	73,90	64,00	4,50	4,10	74,19	64,25	5,60	4,90	64,64	55,98	6,50	5,50	59,55	51,57
	3,50	1,90	2,70	72,23	62,55	2,80	3,00	86,22	74,67	4,80	4,30	71,94	62,30	6,10	4,90	70,41	60,97	7,00	5,50	64,13	55,54
180	1,50	2,10	2,20	60,12	52,07	3,20	2,50	70,95	61,44	5,20	3,40	62,33	53,98	6,50	4,10	53,58	46,40	7,40	4,40	52,97	45,87
	2,00	**2,40**	**2,40**	**57,74**	**50,00**	**3,60**	**2,70**	**64,63**	**55,97**	**5,70**	**3,60**	**60,94**	**52,78**	**7,10**	**4,50**	**48,58**	**42,07**	**8,00**	**5,10**	**42,62**	**36,91**
	2,50	2,60	2,40	62,55	54,17	3,90	2,90	64,26	55,65	6,40	4,00	55,43	48,00	8,00	4,60	52,39	45,37	10,70	5,30	52,78	45,71
	3,00	2,80	2,50	62,08	53,76	4,30	3,00	66,20	57,33	7,10	4,30	53,21	46,08	8,80	4,60	57,63	49,91	10,70	5,30	52,78	45,71
	3,50	2,90	2,80	51,26	44,39	4,70	3,00	72,36	62,67	7,70	4,30	57,71	49,97	9,40	4,60	61,56	53,31	11,60	5,50	53,14	46,02
270	1,50	3,20	2,20	61,08	52,88	4,50	2,50	66,51	57,59	7,40	3,20	66,76	57,80	8,60	3,80	55,02	47,63	9,90	4,20	51,85	44,89
	2,00	**3,50**	**2,40**	**56,13**	**48,60**	**4,90**	**2,70**	**62,09**	**53,76**	**8,10**	**3,90**	**49,20**	**42,59**	**9,90**	**4,50**	**45,16**	**39,10**	**10,80**	**5,10**	**38,36**	**33,21**
	2,50	3,80	2,40	60,95	52,76	5,60	2,90	61,51	53,26	9,40	4,20	49,23	42,62	10,90	4,60	47,59	41,20	12,70	5,20	43,39	37,56
	3,00	4,20	2,50	62,08	53,75	6,20	3,00	63,64	55,10	10,40	4,30	51,96	44,99	11,90	4,70	49,77	43,09	14,20	5,30	46,70	40,43
	3,50	4,60	2,80	54,20	46,93	6,70	3,00	68,77	59,54	10,90	4,30	54,46	47,15	12,90	4,90	49,63	42,97	15,40	5,50	47,03	40,72
360	1,50	4,20	2,20	60,12	52,07	6,20	2,50	68,73	59,52	8,60	3,00	66,21	57,33	9,90	3,80	47,50	41,14	11,00	5,20	28,19	24,41
	2,00	**4,80**	**2,40**	**57,74**	**50,00**	**6,90**	**2,70**	**65,58**	**56,79**	**10,00**	**3,80**	**47,98**	**41,55**	**11,80**	**4,50**	**40,37**	**34,96**	**12,80**	**5,50**	**29,32**	**25,39**
	2,50	5,50	2,60	56,37	48,82	7,90	2,90	65,09	56,36	11,10	3,60	59,34	51,39	12,90	4,60	42,24	36,58	14,20	5,50	32,52	28,17
	3,00	6,10	2,70	57,98	50,21	8,80	3,00	67,75	58,67	12,10	3,50	68,44	59,27	14,00	4,70	43,91	38,03	15,60	5,50	35,73	30,94
	3,50	6,70	2,70	63,68	55,14	9,50	3,00	73,14	63,33	12,90	3,70	65,29	56,54	15,00	4,90	43,29	37,48	17,00	5,50	38,94	33,72

TVAN Variable Arc Nozzles – Performance Data *(English)*

		8 Series ●				10 Series ●				12 Series ●				15′ Series ●				17′ Series ●			
				Precip. Rate				Precip. Rate				Precip. Rate				Precip. Rate				Precip. Rate	
Pattern	PSI	GPM	Rad	▲	■.	GPM	Rad	▲	■.	GPM	Rad	▲	■.	GPM	Rad	▲	■.	GPM	Rad	▲	■.
90	20	0.58	7	5.26	4.56	0.59	9	3.24	2.81	0.76	10	3.38	2.93	1.06	15	2.09	1.81	1.25	16	2.17	1.88
	30	**0.71**	**8**	**4.93**	**4.27**	**0.72**	**10**	**3.20**	**2.77**	**0.93**	**12**	**2.87**	**2.49**	**1.29**	**15**	**2.55**	**2.21**	**1.46**	**17**	**2.25**	**1.95**
	40	0.82	9	4.50	3.90	0.84	10	3.73	3.24	1.07	12	3.30	2.86	1.49	16	2.59	2.24	1.68	18	2.31	2.00
	50	0.92	9	5.05	4.38	0.94	10	4.18	3.62	1.21	13	3.18	2.76	1.66	16	2.88	2.50	1.87	18	2.57	2.22
180	20	0.81	7	3.67	3.18	0.94	9	2.58	2.24	1.35	10	3.00	2.60	1.71	14	1.94	1.68	1.95	15	1.93	1.67
	30	**0.99**	**8**	**3.44**	**2.98**	**1.15**	**10**	**2.56**	**2.21**	**1.65**	**12**	**2.55**	**2.21**	**2.08**	**15**	**2.05**	**1.78**	**2.38**	**17**	**1.83**	**1.59**
	40	1.15	8	3.99	3.46	1.33	10	2.96	2.56	1.91	12	2.95	2.55	2.40	15	2.37	2.05	2.74	17	2.11	1.83
	50	1.28	9	3.51	3.04	1.49	10	3.31	2.87	2.13	13	2.80	2.43	2.68	15	2.65	2.29	3.06	18	2.10	1.82
270	20	1.08	7	3.27	2.83	1.37	9	2.51	2.17	1.90	11	2.33	2.02	2.41	14	1.82	1.58	2.69	14	2.03	1.76
	30	**1.33**	**8**	**3.08**	**2.67**	**1.67**	**10**	**2.47**	**2.14**	**2.32**	**12**	**2.39**	**2.07**	**2.94**	**15**	**1.94**	**1.68**	**3.28**	**17**	**1.68**	**1.46**
	40	1.53	8	3.54	3.07	1.92	10	2.85	2.47	2.68	12	2.76	2.39	3.38	15	2.23	1.93	3.76	17	1.93	1.67
	50	1.70	9	3.11	2.69	2.15	10	3.19	2.76	2.99	12	3.08	2.67	3.77	16	2.18	1.89	4.19	18	1.92	1.66
360	20	1.25	7	2.84	2.46	1.73	9	2.37	2.06	2.27	10	2.52	2.19	2.69	13	1.77	1.53	3.05	17	1.17	1.02
	30	**1.52**	**8**	**2.64**	**2.29**	**2.11**	**10**	**2.35**	**2.03**	**2.77**	**12**	**2.14**	**1.85**	**3.26**	**15**	**1.61**	**1.40**	**3.73**	**17**	**1.43**	**1.24**
	40	1.75	9	2.40	2.08	2.42	10	2.69	2.33	3.12	12	2.41	2.09	3.79	15	1.87	1.62	4.26	18	1.46	1.27
	50	1.96	9	2.69	2.33	2.69	10	2.99	2.59	3.47	12	2.68	2.32	4.33	16	1.88	1.63	4.71	18	1.62	1.40

▲ *Precipitation rates are for triangular spacing, shown in millimeters (Metric) or inches (English) per hour, calculated at 50% of diameter.*
■ *Precipitation rates are for square spacing, shown in millimeters (Metric) or inches (English) per hour, calculated at 50% of diameter.*
All performance specifications are based on the stated working pressure available at the base of the sprinkler.

Bold type indicates optimal operating pressure.
Radius shown in meters (Metric) or feet (English).
Data based on 360°.