

TORO - 570Z Series Spray

Features

- Zero-flush seal prevents flushing on pop-up, allowing more sprinklers on the same line
- Retraction flushing clears debris for reliable pop-down
- Ratcheting riser, for easy and reliable arc adjustment
- Low-pressure sealing at 15 PSI
- Accepts all Toro and K-Rain spray nozzles

Accessories

- Shrub Adapter
- Installs onto 1/2" NPT Riser (570-6x); 6" extension that threads onto any 570 pop-up



TORO - 570Z XF Series Spray

Features

All the features of the 570Z Series Plus:

- Patented X-Flow® high-flow shut-off device built into the riser
- Restricts water loss by 98% if the nozzle is removed or damaged, eliminating potential erosion or safety issues
- Allows for nozzle and filter replacement or maintenance while the system is running

Product	Description	Pkg	Each
89-3978	4" Sprinkler, w/o nozzle	50	
89-3979	6" Sprinkler, w/o nozzle	50	
89-3981	12" Sprinkler, w/o nozzle	25	
89-3980	6" Sprinkler, Side-inlet Body, w/o nozzle	50	
89-3982	12" Sprinkler, Side-inlet Body, w/o nozzle	25	
89-4723	4" Sprinkler, w/Check Valve, w/o nozzle	50	
102-0583	6" Sprinkler, w/Check Valve, w/o nozzle	50	
102-0582	12" Sprinkler, w/Check Valve, w/o nozzle	25	

Product	Description	Pkg	Each
102-2828	4" Sprinkler, w/ shut-off	50	
102-2830	6" Sprinkler, w/ shut-off	50	
102-2833	12" Sprinkler, w/shut-off	25	
102-2832	6" Sprinkler, w/ shut-off Side-inlet Body	50	
102-2835	12" Sprinkler, w/ shut-off Side-inlet Body	25	
102-2829	4" Sprinkler, w/ shut-off w/Check Valve	50	
102-2831	6" Sprinkler, w/ shut-off w/Check Valve	50	
102-2834	12" Sprinkler, w/ shut-off w/Check Valve	25	



Effluent
Options
Available

TORO - 570Z PRX Series Spray

Features

All the features of the 570Z Series Plus:

- Patented in-riser pressure regulator
- Maintains constant 30 psi outlet pressure which eliminates misting and fogging
- Patented X-Flow® high-flow shut-off device built into the riser
- Restricts water loss by 98% if the nozzle is removed or damaged, eliminating potential erosion or safety issues
- Allows for nozzle and filter replacement or maintenance while the system is running

Product	Description	Pkg	Each
102-0001	4" Sprinkler, w/ press reg & shut-off	50	
102-0003	6" Sprinkler, w/ press reg & shut-off	50	
102-0009	12" Sprinkler, w/ press reg & shut-off	25	
102-0005	6" Sprinkler, w/ press reg & shut-off Side-inlet	50	
102-0010	12" Sprinkler, w/ press reg & shut-off Side-inlet	25	
102-0002	4" Sprinkler, w/ press reg & shut-off w/Check	50	
102-0004	6" Sprinkler, w/ press reg & shut-off w/Check	50	
102-0011	12" Sprinkler, w/ press reg & shut-off w/Check	25	

Check Valve Models

Features

- Built-in Check-O-Matic (COM) check valve and stronger, heavy-duty retracting spring
- Added protection against low-head drainage-reducing water waste and erosion
- COM feature extends system life by reducing the negative effects of water hammer
- COM stamped on cap for easy identification

TORO - TVAN Variable Arc Nozzles

Features

- Matched precipitation rates (MPR) across entire radius range (within and between families)
- Fits all Female Thread spray heads
- Infinitely adjustable arc from 0° -360°
- Flow increase or decrease proportionately with radius adjustment (maintaining MPR)
- Unique grip-and-turn adjustment—wet or dry
- Fine-mesh, snap-in green filter screens, prevent clogging



Product	Description	Pkg	Each
TVAN-8	8' Variable Arc Pattern	25	
TVAN-10	10' Variable Arc Pattern	25	
TVAN-12	12' Variable Arc Pattern	25	
TVAN-15	15' Variable Arc Pattern	25	
TVAN-17	17' Variable Arc Pattern	25	

TVAN (Variable Arc Nozzles) Performance Chart

Arc	PSI	8'		10'		12'		15'		17'	
		GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius	GPM	Radius
90	20	0.32	7	0.46	9	0.79	11	1.00	15	1.17	16
	30	0.38	8	0.52	10	0.81	12	1.12	15	1.38	17
	40	0.45	9	0.65	10	1.13	13	1.42	16	1.64	18
	50	0.51	9	0.73	10	1.27	14	1.59	16	1.83	18
180	20	0.55	7	0.81	8	1.34	11	1.67	13	1.9	14
	30	0.64	8	0.96	9	1.52	12	1.9	15	2.15	17
	40	0.72	8	1.09	10	1.81	14	2.23	15	2.7	17
	50	0.76	9	1.22	10	2.03	14	2.47	15	3.03	18
270	20	0.84	7	1.17	8	1.91	10	2.19	12	2.56	13
	30	0.92	8	1.32	9	2.17	13	2.65	15	2.9	17
	40	1.07	8	1.57	10	2.67	14	3.03	15	3.61	17
	50	1.20	9	1.76	10	2.86	14	3.38	16	4.04	18
360	20	1.08	7	1.58	8	2.19	9	2.51	12	2.79	17
	30	1.28	8	1.85	9	2.69	13	3.18	15	3.45	18
	40	1.55	9	2.23	10	3.09	11	3.55	16	3.95	18
	50	1.75	9	2.49	10	3.39	12	3.94	16	4.46	18

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SPRAYS

TORO - MPR Plus Spray Nozzles

Features

- Matched precipitation rates ensure all nozzles (every radius and pattern) apply water at the same rate
- Free PCD's eliminate fogging, conserve water and provide precise flow rates; available factory or field installed
- 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
- 5' nozzles adjust to 3'
- Fine-mesh, snap-in filter screens, prevent clogging of lower gallonage nozzles

Specifications

- Operating pressure for optimum nozzle performance: 30 PSI
- Recommended operating pressure range: 20-50 PSI
- Maximum operating pressure: 75 PSI
- Adjustment screw allows up to 25% reduction in radius and complete shutoff



Product	Description	Pkg	Each
8' SERIES			
89-1470	8Q 90° Arc	25	
89-1467	8T 120° Arc	25	
89-1464	8H 180° Arc	25	
89-1461	8TT 240° Arc	25	
89-1458	8TQ 270° Arc	25	
89-1455	8F 360° Arc	25	
5' SERIES			
89-1488	5Q 90° Arc	25	
89-1485	5T 120° Arc	25	
89-1482	5H 180° Arc	25	
89-1479	5TT 240° Arc	25	
89-1476	5TQ 270° Arc	25	
89-1473	5F 360° Arc	25	
15' SERIES			
89-1416	15Q 90° Arc	25	
89-1413	15T 120° Arc	25	
89-1410	15H 180° Arc	25	
89-1407	15TT 240° Arc	25	
89-1404	15TQ 270° Arc	25	
89-1401	15F 360° Arc	25	
12' SERIES			
89-1434	12Q 90° Arc	25	
89-1431	12T 120° Arc	25	
89-1428	12H 180° Arc	25	
89-1425	12TT 240° Arc	25	
89-1422	12TQ 270° Arc	25	
89-1419	12F 360° Arc	25	
10' SERIES			
89-1452	10Q 90° Arc	25	
89-1449	10T 120° Arc	25	
89-1446	10H 180° Arc	25	
89-1443	10TT 240° Arc	25	
89-1440	10TQ 270° Arc	25	
89-1437	10F 360° Arc	25	
10° AND 35°			
89-1547	10SSQ 90° Arc-10°	25	
89-1521	10SSH 180° Arc-10°	25	
89-1519	10SSF 360° Arc-10°	25	
89-1495	35SSQ 90° Arc-35°	25	
89-1493	35SSH 180° Arc-35°	25	
89-1491	35SSF 360° Arc-35°	25	

Product	Description	Pkg	Each
SPECIAL			
89-1503	4-SST Side, 4' x 30'	25	
89-1500	4-EST End, 4' x 15'	25	
89-1497	4-CST Center, 4' x 30'	25	
89-1506	9-SST Side, 9' x 18'	25	
89-1509	4S-SST Side, 4' x 18'	25	
89-1512	2-SST Side, 2' x 6'	25	
STREAM BUBBLER			
89-7865	SB-90 90°2' Radius	25	
89-7875	SB-180 180°2' Radius	25	
89-7877	SB-360 360°2' Radius	25	
89-7871	SB-2-180 180°2 Strm, 2' Rad	25	
89-7873	SB-4-180 180°4 Strm, 2' Rad	25	
FLAT SPRAY			
35-7704	FSQ 90° Arc	25	
35-7700	FSH 180° Arc	25	
35-7698	FSF 360° Arc	25	
35-7712	FSQ-LG 90° Arc, Low Gal	25	
35-7708	FSH-LG 180° Arc, Low Gal	25	
35-7706	FSF-LG 360° Arc, Low Gal	25	
FLOOD BUBBLER			
89-1727	FB-25 .25 GPM	25	
89-1729	FB-50 .50 GPM	25	
89-1731	FB-100 1.00 GPM	25	
89-1733	FB-200 Adj GPM	25	

5' Series with 0° Trajectory					8' Series with 0° Trajectory					10' Series with 0° Trajectory										
Pattern	Desc.	psi	GPM	Radius	Prec. Rate*	Pattern	Desc.	psi	GPM	Radius	Prec. Rate*	Pattern	Desc.	psi	GPM	Radius	Prec. Rate*			
				Δ	□						Δ	□					Δ	□		
90°	S-Q	30-40	0.09	5	1.61	1.40	90°	S-Q	30-40	0.22	8	1.54	1.33	90°	10-Q	30-40	0.33	10	1.48	1.28
		40-75	0.10	5	1.79	1.55			40-75	0.25	8	1.75	1.51			40-75	0.37	10	1.66	1.43
120°	S-T	30-40	0.09	5	1.61	1.40	120°	8-T	30-40	0.29	8	1.52	1.32	120°	10-T	30-40	0.44	10	1.48	1.28
		40-75	0.10	5	1.79	1.55			40-75	0.35	8	1.84	1.59			40-75	0.50	10	1.68	1.45
180°	S-H	30-40	0.09	5	1.61	1.40	180°	8-H	30-40	0.44	8	1.54	1.33	180°	10-H	30-40	0.66	10	1.48	1.28
		40-75	0.10	5	1.79	1.55			40-75	0.50	8	1.75	1.51			40-75	0.75	10	1.68	1.45
240°	S-TT	30-40	0.09	5	1.61	1.40	240°	8-TT	30-40	0.59	8	1.55	1.34	240°	10-TT	30-40	0.89	10	1.49	1.29
		40-75	0.10	5	1.79	1.55			40-75	0.70	8	1.84	1.59			40-75	1.00	10	1.68	1.48
270°	S-TQ	30-40	0.09	5	1.61	1.40	270°	8-TQ	30-40	0.64	8	1.49	1.29	270°	10-TQ	30-40	0.99	10	1.48	1.28
		40-75	0.10	5	1.79	1.55			40-75	0.70	8	1.63	1.41			40-75	1.09	10	1.63	1.41
360°	S-F	30-40	0.09	5	1.61	1.40	360°	8-F	30-40	0.85	8	1.49	1.29	360°	10-F	30-40	1.33	10	1.49	1.29
		40-75	0.10	5	1.79	1.55			40-75	1.00	8	1.75	1.51			40-75	1.51	10	1.69	1.46
12' Series with 0° Trajectory					15' Series with 0° Trajectory					Special Patterns										
Pattern	Desc.	psi	GPM	Radius	Prec. Rate*	Pattern	Desc.	psi	GPM	Radius	Prec. Rate*	Pattern	Desc.	psi	GPM	Special Patterns Width Length	Rate*			
				Δ	□					Δ	□									
90°	12-Q	30-40	0.48	12	1.49	1.29	90°	15-Q	30-40	0.75	15	1.49	1.29	4-EST	30-40	0.43	4'x15'	1.38		
		40-75	0.53	12	1.65	1.43			40-75	0.81	15	1.61	1.40			0.50	4'x15'	1.61		
120°	12-T	30-40	0.64	12	1.49	1.29	120°	15-T	30-40	1.00	15	1.49	1.29	4-CST	30-40	0.86	4'x30'	1.38		
		40-75	0.70	12	1.63	1.41			40-75	1.10	15	1.64	1.42			1.00	4'x30'	1.61		
180°	12-H	30-40	0.96	12	1.49	1.29	180°	15-H	30-40	1.50	15	1.49	1.29	9-SST	30-40	1.10	9'x18'	1.31		
		40-75	1.05	12	1.63	1.41			40-75	1.65	15	1.64	1.42			1.20	9'x18'	1.43		
240°	12-TT	30-40	1.28	12	1.49	1.29	240°	15-TT	30-40	2.00	15	1.49	1.29	4-SST	30-40	0.88	4'x30'	1.41		
		40-75	1.40	12	1.63	1.41			40-75	2.20	15	1.64	1.42			1.00	4'x30'	1.61		
270°	12-TQ	30-40	1.44	12	1.49	1.29	270°	15-TQ	30-40	2.30	15	1.53	1.32	2-SST	30-40	0.09	2'x6'	1.44		
		40-75	1.60	12	1.66	1.44			40-75	2.50	15	1.66	1.44			0.10	2'x6'	1.61		
360°	12-F	30-40	1.92	12	1.49	1.29	360°	15-F	30-40	3.00	15	1.49	1.29	4S-SST	30-40	0.50	4'x18'	1.34		
		40-75	2.10	12	1.63	1.41			40-75	3.30	15	1.64	1.42			0.59	4'x18'	1.58		

Rainbird - 1800 Series Spray

Features

- Exclusive co-molded wiper seal features an encased plastic “cage” to provide unmatched resistance to grit
- Pressure activated, multi-function seal design assures a positive seal without “flow-by” which enables more heads on line
- Precision controlled flush at pop-down clears debris from unit, assuring positive stem retraction in all soil types
- Two piece ratchet mechanism allow easy nozzle pattern adjustment

Rainbird - 1800 SAM Series Spray

Features

All the great features of the 1800 Plus:

- Built-in Seal-A-Matic® (SAM) check valve; eliminates the need for under-the-head check valves
- Traps water in lateral pipes in elevation changes of up to 14 feet & reduces wear on system due to water hammer
- Even stronger retract spring to accommodate elevation changes

Rainbird - 1800 PRS Series Spray

Features

All the great features of the 1800 Plus:

- Patented PRS pressure regulator built into the system.
- Maintains constant outlet pressure of 30 psi
- Ends misting and fogging caused by high pressure, stops water waste and ensures necessary watering occurs in high pressure or wind conditions



Product	Description	Pkg	Each
RB 1804	4" Sprinkler, w/o nozzle	75	
RB 1806	6" Sprinkler, w/o nozzle, side inlet	50	
RB 1812	12" Sprinkler, w/o nozzle, side inlet	50	
RB 1804 SAM	4" Sprinkler, w/o nozzle, SAM	75	
RB 1806 SAM	6" Sprinkler, w/o nozzle, SAM	50	
RB 1812 SAM	12" Sprinkler, w/o nozzle, SAM	50	
RB 1804 PRS	4" Sprinkler, w/o nozzle, PRS	75	
RB 1806 PRS	6" Sprinkler, w/o nozzle, PRS	50	
RB 1812 PRS	12" Sprinkler, w/o nozzle, PRS	50	

Nozzle	Pressure (psi)	Radius (ft.)	Flow (GPM)	Precip (In/h) ■	Precip (In/h) ▲
5F	15	3	0.29	2.07	2.39
	20	4	0.33	2.01	2.32
	25	4	0.37	1.62	1.87
	30	5	0.41	1.58	1.83
5H	15	3	0.14	2.07	2.39
	20	4	0.16	2.01	2.32
	25	4	0.18	1.62	1.87
	30	5	0.2	1.58	1.83
5T	15	3	0.09	2.07	2.39
	20	4	0.11	2.01	2.32
	25	4	0.12	1.62	1.87
	30	5	0.13	1.58	1.83
5Q	15	3	0.07	2.07	2.39
	20	4	0.08	2.01	2.32
	25	4	0.09	1.62	1.87
	30	5	0.1	1.58	1.83

Nozzle	Pressure (psi)	Radius (ft.)	Flow (GPM)	Precip (In/h) ■	Precip (In/h) ▲
8F	15	5	0.74	2.07	2.39
	20	6	0.86	2.01	2.32
	25	7	0.96	1.62	1.87
	30	8	1.05	1.58	1.83
8H	15	5	0.37	2.07	2.39
	20	6	0.42	2.01	2.32
	25	7	0.47	1.62	1.87
	30	8	0.52	1.58	1.83
8T	15	5	0.25	2.07	2.39
	20	6	0.29	2.01	2.32
	25	7	0.32	1.62	1.87
	30	8	0.35	1.58	1.83
8Q	15	5	0.18	2.07	2.39
	20	6	0.21	2.01	2.32
	25	7	0.24	1.62	1.87
	30	8	0.26	1.58	1.83

Nozzle	Pressure (psi)	Radius (ft.)	Flow (GPM)	Precip (In/h) ■	Precip (In/h) ▲
12F	15	9	1.80	2.14	2.47
	20	10	2.10	2.02	2.34
	25	11	2.40	1.91	2.21
	30	12	2.60	1.74	2.01
12TQ	15	9	1.35	2.14	2.47
	20	10	1.58	2.02	2.34
	25	11	1.80	1.91	2.21
	30	12	1.95	1.74	2.01
12TT	15	9	1.20	2.14	2.47
	20	10	1.40	2.02	2.34
	25	11	1.60	1.91	2.21
	30	12	1.74	1.74	2.01
12H	15	9	0.90	2.14	2.47
	20	10	1.05	2.02	2.34
	25	11	1.20	1.91	2.21
	30	12	1.30	1.74	2.01
12T	15	9	0.60	2.14	2.47
	20	10	0.70	2.02	2.34
	25	11	0.80	1.91	2.21
	30	12	0.87	1.74	2.01
12Q	15	9	0.45	2.14	2.47
	20	10	0.53	2.02	2.34
	25	11	0.60	1.91	2.21
	30	12	0.65	1.74	2.01

Nozzle	Pressure (psi)	Radius (ft.)	Flow (GPM)	Precip (In/h) ■	Precip (In/h) ▲
15F	15	11	2.6	2.07	2.39
	20	12	3	2.01	2.32
	25	14	3.3	1.62	1.87
	30	15	3.7	1.58	1.83
15TQ	15	11	1.95	2.07	2.39
	20	12	2.25	2.01	2.32
	25	14	2.48	1.62	1.87
	30	15	2.78	1.58	1.83
15TT	15	11	1.74	2.07	2.39
	20	12	2.01	2.01	2.32
	25	14	2.21	1.62	1.87
	30	15	2.48	1.58	1.83
15H	15	11	1.3	2.07	2.39
	20	12	1.5	2.01	2.32
	25	14	1.65	1.62	1.87
	30	15	1.85	1.58	1.83
15T	15	11	0.87	2.07	2.39
	20	12	1	2.01	2.32
	25	14	1.1	1.62	1.87
	30	15	1.23	1.58	1.83
15Q	15	11	0.65	2.07	2.39
	20	12	0.75	2.01	2.32
	25	14	0.82	1.62	1.87
	30	15	0.92	1.58	1.83

Nozzle	Pressure (psi)	W x L (ft.)	Flow (GPM)
15EST	15	4 x 13	0.45
	20	4 x 14	0.50
	25	4 x 14	0.56
	30	4 x 15	0.61
15CST	15	4 x 26	0.89
	20	4 x 28	1.00
	25	4x28	1.11
	30	4 x 30	1.21
15RCS	15	3 x 11	0.35
	20	3 x 12	0.40
	25	4 x 14	0.45
	30	4 x 15	0.49
15LCS	15	3 x 11	0.35
	20	3 x 12	0.40
	25	4 x 14	0.45
	30	4 x 15	0.49
15SST	15	4 x 26	0.89
	20	4 x 28	1.00
	25	4 x 28	1.11
	30	4 x 30	1.21
9SST	15	9 x 15	1.34
	20	9 x 16	1.47
	25	9 x 18	1.60
	30	9 x 18	1.73

Nozzle	Pressure (psi)	Radius (ft.)	Flow (GPM)
5F-B	15	5	1.5
	20	5	1.5
	30	5	1.5
5H-B	15	5	1
	20	5	1
	30	5	1
5Q-B	15	5	0.5
	20	5	0.5
	30	5	0.5
5CST-B	15	5	0.5
	20	5	0.5
	30	5	0.5

SPRAYS

Irritrol - I-PRO Series Spray

Features

- Pressure-activated seal with lubricant additive
- Pre-installed in-riser pressure regulator (optional)
- Pre-installed check valve (optional)
- Retrofittable riser
- Heavy-duty, stainless steel retraction spring
- Side and bottom inlets on 6" and 12" models
- Ratcheting riser



Irritrol - Pro Van Nozzles

Features

- Fully adjustable arc from 0° to 360°
- Color coding for easy radius identification
- Stainless steel radius adjustment screw allows for up to 25% radius reduction
- Exclusive "Smart Grip" head design requires no tools; the industry's easiest arc adjustment
- Compatibility with any male threaded riser in the industry reduces inventory requirements

Product	Description	Pkg	Each
IPRO-3	3" Pop-up sprinkler	100	
IPRO-4	4" Pop-up sprinkler	50	
IPRO-6	6" Pop-up sprinkler	50	
IPRO-12	12" Pop-up sprinkler	25	

Product	Description	Pkg	Each
PRO-VAN8	8' Nozzle	25	
PRO-VAN10	10' Nozzle	25	
PRO-VAN12	12' Nozzle	25	
PRO-VAN15	15' Nozzle	25	
PRO-VAN17	17' Nozzle	25	

PRO-VAN8

Arc	Pressure psi	Radius ft	Flow GPM	Precep. in/h	Precep. Δ in/h
360°	20	8	1.72	2.59	2.99
	30	8	2.13	3.20	3.70
	40	9	2.48	3.73	4.31
	50	9	2.78	4.18	4.83
270°	20	8	1.35	2.73	3.15
	30	9	1.65	3.31	3.82
	40	9	1.89	3.79	4.38
	50	9	2.13	4.27	4.93
180°	20	9	0.87	2.62	3.02
	30	9	1.07	3.22	3.72
	40	9	1.23	3.70	4.27
	50	9	1.38	4.15	4.79
90°	20	9	0.53	3.19	3.68
	30	10	0.64	3.85	4.45
	40	10	0.72	4.33	5.00
	50	10	0.78	4.69	5.42

PRO-VAN10

Arc	Pressure psi	Radius ft	Flow GPM	Precep. in/h	Precep. Δ in/h
360°	20	10	1.98	1.91	2.20
	30	10	2.41	2.32	2.68
	40	11	3.19	3.07	3.55
	50	12	3.59	3.46	3.99
270°	20	10	1.60	2.1	2.4
	30	11	1.95	2.5	2.9
	40	12	2.26	2.9	3.3
	50	12	2.52	3.2	3.7
180°	20	10	1.13	2.18	2.51
	30	11	1.38	2.66	3.07
	40	12	1.58	3.04	3.51
	50	12	1.77	3.41	3.93
90°	20	11	0.62	2.39	2.76
	30	12	0.77	2.96	3.42
	40	12	0.89	3.43	3.96
	50	13	1.00	3.85	4.45

PRO-VAN12

Arc	Pressure psi	Radius ft	Flow GPM	Precep. in/h	Precep. Δ in/h
360°	20	11	2.26	1.51	1.74
	30	12	2.79	1.86	2.15
	40	13	3.20	2.14	2.47
	50	13	3.62	2.42	2.79
270°	20	11	1.85	1.65	1.90
	30	12	2.29	2.04	2.36
	40	13	2.64	2.35	2.72
	50	13	2.98	2.66	3.07
180°	20	11	1.33	1.78	2.05
	30	12	1.63	2.18	2.52
	40	13	1.89	2.53	2.92
	50	14	2.12	2.83	3.27
90°	20	12	0.75	2.01	2.32
	30	13	0.93	2.49	2.87
	40	14	1.06	2.83	3.27
	50	14	1.21	3.24	3.74

PRO-VAN15

Arc	Pressure psi	Radius ft	Flow GPM	Precep. in/h	Precep. Δ in/h
360°	20	14	2.76	1.18	1.36
	30	15	3.35	1.43	1.65
	40	15	3.87	1.66	1.91
	50	16	4.31	1.84	2.13
270°	20	14	2.36	1.35	1.55
	30	15	2.89	1.65	1.90
	40	16	3.30	1.88	2.17
	50	16	3.73	2.13	2.46
180°	20	15	1.70	1.45	1.68
	30	16	2.09	1.79	2.06
	40	16	2.42	2.07	2.39
	50	17	2.71	2.32	2.68
90°	20	15	0.99	1.69	1.96
	30	16	1.20	2.05	2.37
	40	17	1.40	2.40	2.77
	50	17	1.55	2.67	3.08

PRO-VAN17

Arc	Pressure psi	Radius ft	Flow GPM	Precep. in/h	Precep. Δ in/h
360°	20	14	2.90	0.97	1.12
	30	16	3.60	1.20	1.38
	40	17	4.10	1.37	1.58
	50	17	4.60	1.53	1.77
270°	20	14	2.50	1.11	1.28
	30	16	3.10	1.38	1.59
	40	17	3.60	1.60	1.85
	50	17	4.00	1.78	2.05
180°	20	15	1.90	1.27	1.46
	30	17	2.40	1.60	1.85
	40	17	2.70	1.80	2.08
	50	18	3.00	2.00	2.31
90°	20	15	1.20	1.60	1.85
	30	17	1.50	2.00	2.31
	40	18	1.70	2.26	2.62
	50	18	1.90	2.53	2.92



Weathermatic - LX Series Spray

Features

- Pressure-activated wiper seal for reliability
- Easy grip threaded cover
- Stainless steel retract spring
- High-strength ribbed design
- Five year warranty

Weathermatic - LX MPR Spray Nozzles

Features

- Color-coded nozzles for easy identification
- For use with all LX series spray heads
- Fits all industry-standard spray heads with male thread risers
- LX Series screens maintain precise radius adjustments
- Stainless steel radius adjustment screw
- Nozzles Bag of 25



Product	Description	Pkg	Each
Bodies			
LX3	3" pop-up spray head	50	
LX4	4" pop-up spray head	50	
LX6	6" pop-up spray head	50	
LX12	12" pop-up spray head	50	
LX4-CV	LX4 with check valve	50	
LX6-CV	LX6 with check valve	50	
LX12-CV	LX12 with check valve	50	
LX-NP	Snap on cover	50	
Specialty Sprays			
LX-15EST	End 4' x 15'	25	
LX-15CST	Center 4' x 30'	25	
LX-15SST	Side 4' x 30'	25	
LX-9SST	Side 9' x 18'	25	

Product	Description	Pkg	Each
8' Sprays			
LX-8Q	90° arc	25	
LX-8T	120° arc	25	
LX-8H	180 arc	25	
LX-8F	360° arc	25	
10' Sprays			
LX-10Q	90° arc	25	
LX-10T	120° arc	25	
LX-10H	180 arc	25	
LX-10TT	240° arc	25	
LX-10TQ	270° arc	25	
LX-10F	360° arc	25	
12' Sprays			
LX-12Q	90° arc	25	
LX-12T	120° arc	25	
LX-12H	180 arc	25	
LX-12TT	240° arc	25	
LX-12TQ	270° arc	25	
LX-12F	360° arc	25	
15' Sprays			
LX-15Q	90° arc	25	
LX-15T	120° arc	25	
LX-15H	180 arc	25	
LX-15TT	240° arc	25	
LX-15TQ	270° arc	25	
LX-15F	360° arc	25	

5 STREAM BUBBLER SERIES
0° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Radius ft (1)	Flow gpm (2)
	15	5	1.5
	20	5	1.5
	25	5	1.5
	30	5	1.5
	15	5	1.0
	20	5	1.0
	25	5	1.0
	15	5	0.5
	20	5	0.5
	25	5	0.5
	15	5	0.5
	20	5	0.5
	25	5	0.5

15/9 STRIP SERIES
30° SPRAY TRAJECTORY

Nozzle Pattern	Pressure psi	Width x Length (ft)	Flow gpm	Precip.* in/hr
	15	4 x 13	0.5	1.85
	20	4 x 14	0.5	1.72
	25	4 x 14	0.6	2.06
	30	4 x 15	0.6	1.93
	15	4 x 26	0.9	1.67
	20	4 x 28	1.0	1.72
	25	4 x 28	1.1	1.89
	15	4 x 30	1.2	1.93
	20	4 x 28	1.0	1.72
	25	4 x 28	1.1	1.89
	15	9 x 15	1.3	1.85
	20	9 x 16	1.5	2.01
	25	9 x 18	1.6	1.90

8 SERIES
5° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr	Precip. in/hr
	360	15	5	1.2	4.62	5.33
		20	6	1.3	3.74	4.32
		25	7	1.4	2.75	3.18
		30	8	1.6	2.41	2.78
	180	15	5	0.6	4.62	5.33
		20	6	0.7	3.74	4.32
		25	7	0.7	2.75	3.18
		30	8	0.8	2.41	2.78
	120	15	5	0.4	4.62	5.33
		20	6	0.4	3.21	3.70
		25	7	0.5	2.95	3.40
		30	8	0.5	2.26	2.60
	90	15	5	0.3	4.62	5.33
		20	6	0.3	3.21	3.70
		25	7	0.4	3.14	3.63
		30	8	0.4	2.41	2.78

10 SERIES
15° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr	Precip. in/hr
	360	15	7	1.2	2.36	2.72
		20	8	1.3	1.96	2.26
		25	9	1.4	1.66	1.92
		30	10	1.6	1.54	1.78
	180	15	7	0.6	2.36	2.72
		20	8	0.7	2.11	2.43
		25	9	0.7	1.66	1.92
		30	10	0.8	1.54	1.78
	120	15	7	0.4	2.36	2.72
		20	8	0.4	1.80	2.08
		25	9	0.5	1.78	2.06
		30	10	0.5	1.44	1.67
	90	15	7	0.3	2.36	2.72
		20	8	0.3	1.80	2.08
		25	9	0.4	1.90	2.20
		30	10	0.4	1.54	1.78

12 SERIES
30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr	Precip. in/hr
	360	15	9	1.8	2.14	2.47
		20	10	2.1	2.02	2.33
		25	11	2.4	1.91	2.20
		30	12	2.6	1.74	2.01
	180	15	9	0.9	2.14	2.47
		20	10	1.0	1.93	2.22
		25	11	1.2	1.91	2.20
		30	12	1.3	1.74	2.01
	120	15	9	0.6	2.14	2.47
		20	10	0.7	2.02	2.33
		25	11	0.8	1.91	2.20
		30	12	0.9	1.80	2.08
	90	15	9	0.5	2.38	2.74
		20	10	0.5	1.93	2.22
		25	11	0.6	1.91	2.20
		30	12	0.7	1.87	2.16
	240	15	9	1.1	1.93	2.46
		20	10	1.3	1.85	2.00
		25	11	1.5	1.73	1.65
		30	12	1.6	1.59	1.39
	270	15	9	1.3	2.07	2.46
		20	10	1.5	1.96	2.00
		25	11	1.7	1.83	1.65
		30	12	1.8	1.63	1.39

15 SERIES
30° SPRAY TRAJECTORY

Nozzle	Arc	Pressure psi	Radius ft	Flow gpm	Precip. in/hr	Precip. in/hr
	360	15	11	2.6	2.07	2.39
		20	12	3.0	2.01	2.32
		25	14	3.3	1.62	1.87
		30	15	3.7	1.58	1.83
	180	15	11	1.3	2.07	2.39
		20	12	1.5	2.01	2.32
		25	14	1.7	1.67	1.93
		30	15	1.9	1.63	1.88
	120	15	11	0.9	2.15	2.48
		20	12	1.0	2.01	2.32
		25	14	1.1	1.62	1.87
		30	15	1.2	1.54	1.78
	90	15	11	0.7	2.23	2.57
		20	12	0.8	2.14	2.47
		25	14	0.8	1.57	1.81
		30	15	0.9	1.54	1.78
	240	15	11	1.6	1.96	2.39
		20	12	1.9	1.90	2.00
		25	14	2.1	1.55	1.47
		30	15	2.3	1.47	1.28
	270	15	11	2.1	2.24	2.39
		20	12	2.5	2.20	3.00
		25	14	2.8	1.82	1.47
		30	15	3.0	1.70	1.28

590G Series

The 590G Series fixed spray sprinklers were designed specifically for the harsh golf course environment where top dressing and bunker sand are common. Available in 4", 6" and 12" models the 590G has a designed flush rate to clear debris from around the riser to eliminate stick ups and ensure positive sealing and retraction.



Water Management Highlight

The 590G Series includes the X-Flow shut off feature that stops the flow of water if the nozzle is damaged or removed to eliminate flooding, water waste and soil erosion.



Without X-Flow
Water waste, soil erosion and flooding occur



With X-Flow
Eliminates water waste, soil erosion and flooding

Operating Specifications

- Radius: 2' – 18'
- Recommended pressure range: 25-50 psi (maximum – 75 psi)
- Flow rate: 0.05 – 4.5 GPM
- 2 GPM flush rate

Additional Features

- Stainless steel retraction spring
- Ratcheting riser feature for arc adjustment
- Pop-up and retraction flushing clears debris for reliable pop-down
- Small 2" diameter cap
- All bodies shipped with flush plug in place

Dimensions

- Body diameter:
 - 1 3/8" on 4P and 6P
 - 1 5/8" on 12P
- Cap diameter: 2"
- Inlet: 1/2" female-threaded

Warranty

- Three years

Product	Description	Pkg	Each
590G SERIES SPRINKLER BODY			
590G-4	4" Pop w/Check Valve and X-Flow	50	
590G-4E	4" Pop w/Check Valve, X-Flow and Effluent Cap	50	
590G-6	6" Pop w/Check Valve and X-Flow	50	
590G-6E	6" Pop w/Check Valve, X-Flow and Effluent Cap	50	
590G-12	12" Pop w/Check Valve and X-Flow	25	
590G-12E	12" Pop w/Check Valve, X-Flow and Effluent Cap	25	



Product	Description	Pkg	Each
TORO - VAN NOZZLES FOR 590G SERIES SPRINKLER BODY			
(Full circle and Adjustable part circle in one)			
TVAN8	8' Variable Arc Pattern	25	
TVAN10	10' Variable Arc Pattern	25	
TVAN12	12' Variable Arc Pattern	25	
TVAN15	15' Variable Arc Pattern	25	
TVAN17	17' Variable Arc Pattern	25	



Product	Description	Pkg	Each
TORO - FIXED ARC NOZZLES FOR 590G SERIES SPRINKLER BODY			
89-1764	360° Arc (Model No. 15-F)	25	
89-1766	240° Arc (Model No. 15-TT)	25	
89-1767	180° Arc (Model No. 15-H)	25	

(Please see Toro Fixed Spray nozzle section for a complete listing)

Product	Description	Pkg	Each
MP ROTATOR NOZZLES - FOR 590G SERIES SPRINKLER BODY			
mp-1000T 360	MP 1000 Rotator, 360 full circle	10	
MP-1000T 90-210	MP 1000 Rotator, 90-210 degree arc	10	
mp-1000T 210-270	MP 1000 Rotator, 210-270 degree arc	10	
mp-2000T 360	MP 2000 Rotator, 360 full circle	10	
mp-2000T 90-210	MP 2000 Rotator, 90-210 degree arc	10	
mp-2000T 210-270	MP 2000 Rotator, 210-270 degree arc	10	
MP-3000T 360	MP 3000 Rotator, 360 full circle	10	
MP-3000T 90-210	MP 3000 Rotator, 90-210 degree arc	10	
MP-3000T 210-270	MP 3000 Rotator, 210-270 degree arc	10	
MP-tool	Hand Held Adj Tool	10	