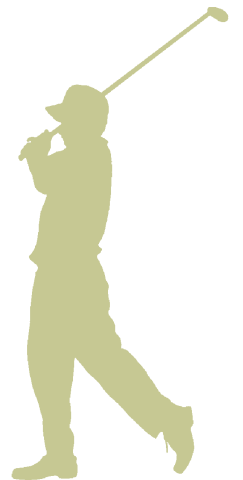




# 720 Series Golf Sprinklers



# 720 Series Sprinklers

The perfect solution for system renovations and upgrades.  
Strength. Precision. Flexibility.

Built for the tough requirements of the golf market, the 720 Series is the perfect complement to Toro's complete line of golf sprinklers. It gives you the precision coverage you need for tee boxes, approaches and other difficult-to-irrigate areas. In fact, Toro's exclusive, proven MultiMatrx™ technology allows you to customize turf coverage. How? A twist of a screwdriver adjusts flow, arc and radius — all from the top of the sprinkler.

That's not all. With the patented Trujectory™ adjustment system, you can make infinite adjustments from 7° to 25°. This allows you to fine-tune the height of the nozzle spray to compensate for slopes (mounds), windy conditions, or to spray under low-hanging tree branches.

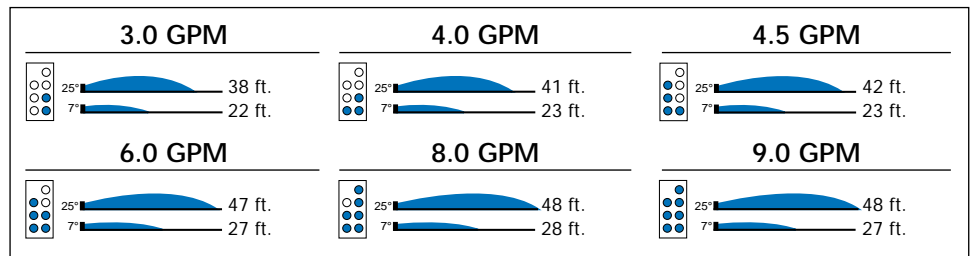
Simplify renovation with the 720 Series. It's available as a complete sprinkler or as a conversion assembly to upgrade existing 1" golf bodies. Its unique adjustability and easy retrofit capability give you complete watering control over any area on your course — especially those tough-to-water spots. It's also great for taking care of trouble spots after installation. Rather than stretch an existing sprinkler beyond its limits, or installing a sprinkler too large for a small area, the 720 Series can fill in where you need it most.

Now you can have beautiful, healthy, green turf anywhere — increasing playability and showing up your competition across town.

## Toro 720 Series Golf Sprinklers Radius: 20'-55'

Encased in a tough, durable golf body, the 720 Series features the MultiMatrx adjustable-flow nozzle, designed to spray water simultaneously from up to seven unique ports. Truly self-cleaning, these ports are manufactured from flexible aerospace materials. So sand and other particles pass straight through without clogging or distorting the nozzle.

### 720 Series MultiMatrx Nozzle — Trujectory Performance @ 50 PSI



### 720 MultiMatrx MPR Combinations

The following sets of nozzles may be used in combination to deliver a balanced precipitation rate.

#3	#6	OR	#3	#6
#4	#8	OR	#4	#8
#4.5	#9	OR	#4.5	#9

Note: Combinations assume that all nozzles are operating at the same pressure.

In addition, sprinklers can run off the same line if adequate flow exists.

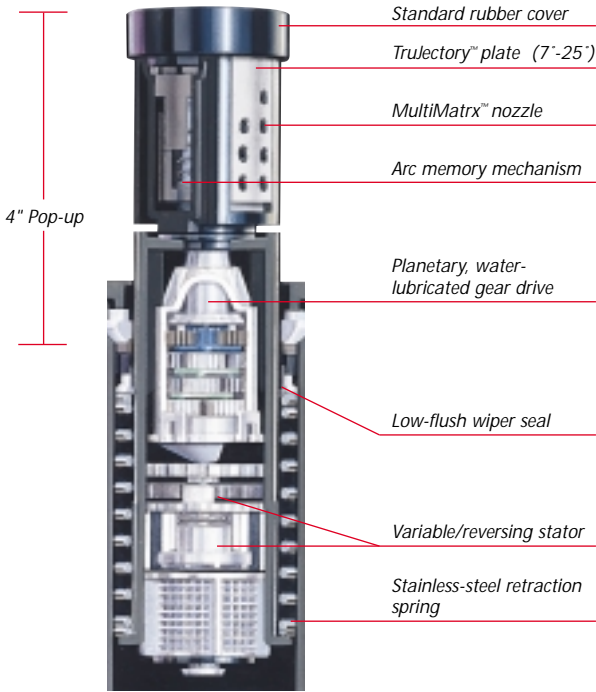


### Apex at 50 PSI

Nozzle GPM	25°		7°	
	Max. Height of Spray	Distance from Head	Max. Height of Spray	Distance from Head
1	7'8"	15'	1'5"	9'
1.5	7'8"	15'	1'5"	9'
2	8'4"	19'	1'5"	10'
3	9'4"	22'	1'5"	10'
4	9'6"	22'	1'7"	12'
4.5	10'6"	27'	1'8"	13'
6	11'	28'	1'10"	14'
8	11'6"	30'	2'	15'
9	12'	31'	2'	15'



# MultiMatrx™



720 Series

## Features

- Adjustable-flow nozzle, 3-9 GPM
- Trjectory radius adjustment
- Full-circle and adjustable part-circle (40°-360°) models available
- High pop-up height to clear taller grasses
- All adjustments made from the top — wet or dry
- Matched precipitation rates
- Time-proven planetary gear-drive design
- Variable reversing stator
- All internal components serviceable from the top of the sprinkler with Servi-Snap™
- Durable engineering plastic and stainless-steel construction
- 3 body styles:
  - Electric Valve-In-Head
  - Normally Open Valve-In-Head
  - Check-O-Matic
- Effluent models available
- ACME, NPT and BSP 1" body threads available
- Optional stainless-steel riser model available

## Specifications

- Radius: 20'-55'
- Flow Rate: 3.06-11.62 GPM
- Adjustable Trajectory: 7°-25°
- Operating Pressure Range:
  - Normally Open: 40-90 PSI
  - Check-O-Matic: 40-90 PSI
  - Electric: 40-150 PSI
- Optimum nozzle performance @ 65 PSI
- Standard pressure regulation: 65 PSI (electric models only)
- 1" female-threaded inlet
- Check-O-Matic maintains up to 37' of elevation change
- Dimensions:
  - Pop-up to center of nozzle plate: 2 1/8"
  - Body Height: 10"

## PRELIMINARY 720 Series MultiMatrx™ Nozzle Performance Data @ 25° Trajectory

Base Pressure	Nozzle Sets																																			
	1		Prec. Rate*		1.5		Prec. Rate*		2		Prec. Rate*		3		Prec. Rate*		4		Prec. Rate*		4.5		Prec. Rate*		6		Prec. Rate*		8		Prec. Rate*		9		Prec. Rate*	
PSI	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△	Rad	GPM	□	△
40	31	1.02	.10	.10	29	1.25	.14	.14	32	1.82	.17	.16	32	2.34	.22	.21	33	3.47	.31	.29	34	4.09	.34	.33	35	5.05	.40	.38	34	6.28	.49	.47	37	6.96	.49	.47
45	31	1.08	.11	.10	30	1.33	.14	.14	33	1.96	.17	.17	33	2.54	.22	.21	34	3.72	.31	.30	36	4.42	.33	.31	37	5.51	.39	.37	38	6.84	.46	.44	39	7.58	.48	.46
50	31	1.12	.11	.11	31	1.42	.14	.14	34	2.08	.17	.17	34	2.73	.23	.22	35	4.06	.32	.30	39	4.71	.30	.28	39	5.90	.37	.36	42	7.36	.40	.38	42	8.16	.45	.43
55	31	1.17	.12	.11	31	1.49	.15	.14	34	2.15	.18	.17	34	2.89	.24	.23	36	4.31	.32	.31	39	4.98	.32	.30	41	6.27	.36	.34	43	7.85	.41	.39	44	8.75	.44	.42
60	31	1.21	.12	.12	31	1.55	.16	.15	35	2.29	.18	.17	35	3.04	.24	.23	38	4.52	.30	.29	40	5.23	.31	.30	42	6.61	.36	.34	45	8.26	.39	.37	46	9.23	.42	.40
65	32	1.24	.12	.11	30	1.60	.17	.16	35	2.39	.19	.18	35	3.15	.25	.24	38	4.69	.31	.30	40	5.41	.33	.31	43	6.87	.36	.34	45	8.61	.41	.39	47	9.67	.42	.40
70	32	1.28	.12	.11	30	1.66	.18	.17	36	2.48	.18	.18	36	3.30	.25	.23	39	4.88	.31	.29	41	5.62	.32	.31	44	7.14	.36	.34	45	8.99	.43	.41	49	10.09	.40	.39
75	31	1.31	.13	.13	30	1.70	.18	.17	36	2.57	.19	.18	36	3.42	.25	.24	39	5.05	.32	.31	41	5.84	.33	.32	44	7.43	.37	.35	46	9.29	.42	.40	49	10.42	.42	.40
80	30	1.34	.14	.14	30	1.75	.19	.18	37	2.64	.19	.18	37	3.55	.25	.24	39	5.21	.33	.31	42	6.00	.33	.31	44	7.68	.38	.36	47	9.61	.42	.40	50	10.89	.42	.40

□ Not recommended at these flows  
 □ Standard pressure regulation (electric models)

\* △ Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 55% of diameter.  
 □ Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter.  
 All performance specifications are based on the stated working pressure available at the base of the sprinkler head.  
 Radius shown in feet.

## PRELIMINARY 720 Series MultiMatrx™ Nozzle Performance Data — Metric — 25° Trajectory

Base Pressure	Nozzle Sets																																													
	4		Prec. Rate*		6		Prec. Rate*		8		Prec. Rate*		11		Prec. Rate*		15		Prec. Rate*		17		Prec. Rate*		23		Prec. Rate*		30		Prec. Rate*		34		Prec. Rate*											
kg/cm <sup>2</sup>	MPa	Rad	l/mn	m <sup>3</sup> /hr	□	△	Rad	l/mn	m <sup>3</sup> /hr	□	△	Rad	l/mn	m <sup>3</sup> /hr	□	△	Rad	l/mn	m <sup>3</sup> /hr	□	△	Rad	l/mn	m <sup>3</sup> /hr	□	△	Rad	l/mn	m <sup>3</sup> /hr	□	△	Rad	l/mn	m <sup>3</sup> /hr	□	△										
3.0	294.1	0.5	4.2	0.25	2.80	2.68	9.3	5.2	0.31	3.62	3.45	10.2	7.7	0.46	4.40	4.20	10.2	10.0	0.60	5.75	5.48	10.5	14.8	0.89	8.00	7.64	11.5	17.3	1.04	7.92	7.55	11.6	21.6	1.30	9.65	9.31	12.2	26.9	1.62	10.81	10.32	12.4	29.9	1.79	11.71	11.17
3.5	343.2	0.5	4.4	0.27	2.97	2.84	9.5	5.6	0.34	3.78	3.61	10.4	8.1	0.49	4.54	4.34	10.4	10.9	0.65	6.10	5.82	11.0	16.3	0.98	8.13	7.76	11.9	18.8	1.13	7.99	7.62	12.5	23.7	1.42	9.14	8.72	13.1	29.6	1.78	10.38	9.90	13.4	33.0	1.98	11.07	10.56
4.0	392.2	0.6	4.6	0.28	3.93	2.90	9.5	5.9	0.35	4.09	3.91	10.7	6.8	0.53	4.65	4.44	10.7	11.7	0.70	6.15	5.87	11.6	17.4	1.04	7.76	7.41	12.2	20.1	1.20	8.10	7.73	12.9	25.4	1.52	9.14	8.72	13.7	31.8	1.91	10.14	9.67	14.1	35.6	2.13	10.69	10.20
4.5	441.2	0.6	4.8	0.29	3.04	2.99	9.2	6.2	0.37	4.48	4.27	10.9	9.3	0.56	4.70	4.48	10.9	12.4	0.74	6.24	5.96	11.8	18.3	1.10	7.87	7.51	12.4	21.1	1.27	8.20	7.82	13.4	26.8	1.61	9.03	8.62	13.7	33.7	2.02	10.77	10.27	14.8	37.9	2.27	10.36	9.89
5.0	490.2	0.9	4.0	0.30	3.40	3.24	9.2	6.5	0.39	4.65	4.44	11.0	9.8	0.59	4.82	4.60	11.0	13.1	0.78	6.43	6.14	11.9	19.2	1.16	8.18	7.80	12.6	22.2	1.33	8.46	8.07	13.4	28.3	1.70	9.46	9.03	14.1	35.4	2.13	10.72	10.27	15.0	39.8	2.39	10.68	10.14

□ Not recommended at these flows  
 □ Standard pressure regulation (electric models)

\* △ Precipitation rates are for triangular spacing, shown in millimeters per hour, calculated at 55% of diameter.  
 □ Precipitation rates are for square spacing, shown in millimeters per hour, calculated at 50% of diameter.  
 All performance specifications are based on the stated working pressure available at the base of the sprinkler head.  
 Rad = Radius in meters; l/mn = Liters per minute; m<sup>3</sup>/hr = Meters cubed per hour.

## Adjustments made easy.

The MultiMatrix nozzle with Truejectory allows infinite trajectory adjustment from 7° to 25°. You can fine-tune the height of the nozzle spray to compensate for the wind or to spray under low-hanging obstructions.

And, trajectory adjustments can be made from the top of the sprinkler — wet or dry — minimizing the time required to fine-tune the sprinkler system. No special-angle nozzles to purchase, inventory, lose or install.



### Ordering Information — 720 Series Sprinklers

<input type="checkbox"/> 72X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> 396 <input type="checkbox"/> X				
Arc	Body Threads	Valve-In-Head Type	Pressure Regulation*	Optional
4—Full-Circle 5—Part-Circle	0—NPT 4—ACME 5—BSP	1—Normally Open Hydraulic 2—Check-O-Matic 6—Electric	6—65 PSI	E—Effluent Model
For Example: When specifying a full-circle 720 Series Sprinkler with NPT threads, an electric valve and pressure regulation at 65 PSI, you would specify: <input type="checkbox"/> 724-06-396				

\*Electric models only.

# A Tradition of Dependability



**The Toro Company**  
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 An ISO 9001-Certified Facility  
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