

TORO

Count on it.

720 & 720G Series

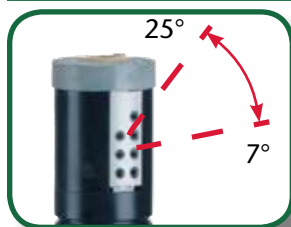
GOLF ROTORS

Truly the best of both worlds – The 720 Series provides high performance features in a Golf valve-in-head style body and the 720G that includes the same great features in a block system style body. With the MultiMatrix nozzle and Tru-Jectory adjustment these sprinklers provide excellent performance for all shorter radius golf applications.



Water Management Highlight

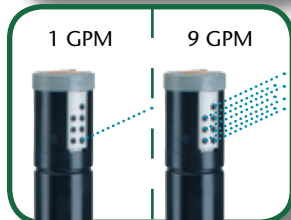
The patented Multi-Matrix® nozzle design provides an adjustable flow nozzle that allows up to nine different matched precipitation rate combinations based on arc and flow to maximize the efficiency of the water application over a wide range of areas. And with Tru-jectory adjustment the radius can be adjusted to achieve exact head to head coverage and optimum distribution uniformity.



Features & Benefits

TRUJECTORY™ ADJUSTMENT FROM 7°—25°

This patented feature puts water where you want it for maximum distribution uniformity. Adjusts from the top of the sprinkler in seconds, wet or dry, this flexibility lets you adjust the angle of throw and the resulting radius of the sprinkler to meet every challenge on the course.



MULTIMATRIX® NOZZLE

The MultiMatrix nozzle allows you to select nine different flow settings from the top of the sprinkler wet or dry. And with nine different matched precipitation rate combinations you can dial in the precise flow for the desired arc setting. The flow shut-off feature allows you to shut off the water to an individual sprinkler wet or drying. Whether you want to replace a nozzle or just let the area dry out this feature provides a significant labor saving.



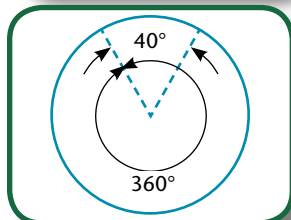
GOLF VALVE-IN-HEAD BODY

The 720 model is produced in a golf valve in head body that provides the Spike Guard solenoid, individual head control, pressure regulation at the head, and manual ON-OFF-AUTO control.



BLOCK SYSTEM BODY

The 720G models are produced in a block system style body that requires water supplied from a separate valve and includes a standard rubber cover and check valve and a riser snap ring retention feature that allows riser servicing without digging.



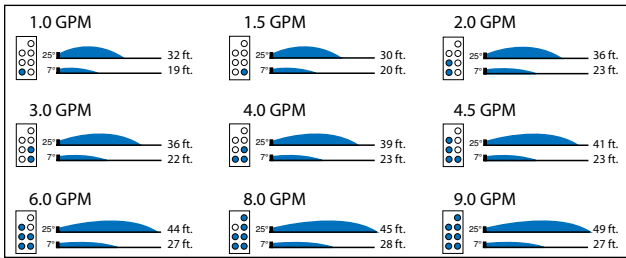
ADJUSTABLE PART/FULL AND TRUE FULL CIRCLE UNI-DIRECTIONAL MODEL

Adjustable from the top of the sprinkler wet or dry these part/full circle sprinklers can be adjusted from 40° to 360°.

720/720G—Apex at 65 psi

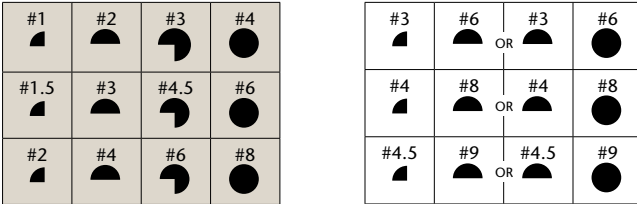
| Nozzle Set | Max. Height of Spray | Distance from Sprinkler | Max. Height of Spray | Distance from Sprinkler |
|------------|----------------------|-------------------------|----------------------|-------------------------|
| 1 | 7'8" (2,3m) | 15' (4,6m) | 1'5" (0,4m) | 9' (2,7m) |
| 1.5 | 7'8" (2,3m) | 15' (4,6m) | 1'5" (0,4m) | 9' (2,7m) |
| 2 | 8'4" (2,5m) | 19' (5,8m) | 1'5" (0,4m) | 10' (3,0m) |
| 3 | 9'4" (2,8m) | 22' (6,7m) | 1'5" (0,4m) | 10' (3,0m) |
| 4 | 9'6" (2,9m) | 22' (6,7m) | 1'7" (0,5m) | 12' (3,7m) |
| 4.5 | 10'6" (3,2m) | 27' (8,2m) | 1'8" (0,5m) | 13' (4,0m) |
| 6 | 11'0" (3,4m) | 28' (8,5m) | 1'10" (0,6m) | 14' (4,3m) |
| 8 | 11'6" (3,5m) | 30' (9,1m) | 2'0" (0,6m) | 15' (4,6m) |
| 9 | 12'0" (3,7m) | 31' (9,4m) | 2'0" (0,6m) | 15' (4,6m) |
| | | 25° | | 7° |

**720/720G Series MultiMatrx Nozzle—
Trajectory Performance @ 65 psi**



720 MultiMatrx MPR Combinations

The following nozzle sets may be used in combinations to deliver a balanced precipitation rate.



■ 720G only.

**720G Series MultiMatrx Low-pressure Nozzle
Performance Data**

| Nozzle Set | psi | GPM | Radius | Prec. Rate* | | Nozzle Set | GPM | Radius | Prec. Rate* | |
|------------|------|------|--------|-------------|-------|---|-------|--------|-------------|------|
| | | | | ■ | ■ | | | | ■ | ■ |
| 1.0 | 25 | 0.85 | 29 | 0.11 | 0.10 | 4.5 | 3.23 | 27 | 0.49 | 0.43 |
| | 30 | 0.94 | 30 | 0.12 | 0.10 | | 3.68 | 30 | 0.45 | 0.39 |
| | 35 | 1.02 | 31 | 0.12 | 0.10 | | 4.09 | 34 | 0.39 | 0.34 |
| | 40 | 1.08 | 31 | 0.12 | 0.11 | | 4.42 | 36 | 0.38 | 0.33 |
| | 45 | 1.12 | 31 | 0.13 | 0.11 | | 4.71 | 39 | 0.34 | 0.30 |
| | 50 | 1.17 | 31 | 0.14 | 0.12 | | 4.98 | 39 | 0.36 | 0.32 |
| | 55 | 1.21 | 31 | 0.14 | 0.12 | | 5.23 | 40 | 0.36 | 0.31 |
| | 60 | 1.24 | 32 | 0.13 | 0.12 | | 5.41 | 40 | 0.38 | 0.33 |
| | 65 | 1.28 | 32 | 0.14 | 0.12 | | 5.62 | 41 | 0.37 | 0.32 |
| | 70 | 1.31 | 31 | 0.15 | 0.13 | | 5.84 | 41 | 0.39 | 0.33 |
| 1.5 | 75 | 1.34 | 30 | 0.17 | 0.14 | 6.00 | 42 | 0.38 | 0.33 | |
| | 25 | 1.05 | 25 | 0.19 | 0.16 | 6.0 | 4.00 | 28 | 0.57 | 0.49 |
| | 30 | 1.15 | 27 | 0.18 | 0.15 | | 4.56 | 31 | 0.53 | 0.46 |
| | 35 | 1.25 | 29 | 0.17 | 0.11 | | 5.05 | 35 | 0.46 | 0.46 |
| | 40 | 1.33 | 30 | 0.16 | 0.14 | | 5.51 | 35 | 0.45 | 0.39 |
| | 45 | 1.42 | 31 | 0.16 | 0.14 | | 5.90 | 39 | 0.43 | 0.35 |
| | 50 | 1.49 | 31 | 0.17 | 0.15 | | 6.27 | 41 | 0.41 | 0.36 |
| | 55 | 1.35 | 31 | 0.18 | 0.16 | | 6.61 | 42 | 0.42 | 0.36 |
| | 60 | 1.60 | 30 | 0.20 | 0.17 | | 6.87 | 43 | 0.41 | 0.36 |
| | 65 | 1.66 | 30 | 0.21 | 0.18 | | 7.14 | 44 | 0.41 | 0.36 |
| 70 | 1.70 | 30 | 0.21 | 0.18 | 7.43 | | 44 | 0.43 | 0.37 | |
| 2.0 | 75 | 1.75 | 30 | 0.22 | 0.19 | 7.68 | 44 | 0.44 | 0.38 | |
| | 25 | 1.44 | 27 | 0.22 | 0.19 | 8.0 | 5.02 | 28 | 0.71 | 0.62 |
| | 30 | 1.65 | 29 | 0.22 | 0.19 | | 5.63 | 31 | 0.65 | 0.56 |
| | 35 | 1.82 | 32 | 0.20 | 0.17 | | 6.28 | 35 | 0.57 | 0.49 |
| | 40 | 1.96 | 33 | 0.20 | 0.17 | | 6.84 | 38 | 0.53 | 0.46 |
| | 45 | 2.08 | 31 | 0.20 | 0.17 | | 7.36 | 42 | 0.46 | 0.40 |
| | 50 | 2.15 | 34 | 0.21 | 0.18 | | 7.85 | 43 | 0.47 | 0.41 |
| | 55 | 2.29 | 35 | 0.21 | 0.18 | | 8.26 | 45 | 0.45 | 0.39 |
| | 60 | 2.39 | 35 | 0.22 | 0.19 | | 8.61 | 45 | 0.47 | 0.41 |
| | 65 | 2.48 | 36 | 0.21 | 0.18 | | 8.99 | 45 | 0.49 | 0.43 |
| 70 | 2.57 | 36 | 0.22 | 0.19 | 9.29 | | 46 | 0.49 | 0.42 | |
| 3.0 | 75 | 2.64 | 37 | 0.21 | 0.19 | 9.61 | 47 | 0.48 | 0.42 | |
| | 25 | 1.85 | 26 | 0.30 | 0.26 | 9.0 | 5.57 | 29 | 0.74 | 0.64 |
| | 30 | 2.09 | 28 | 0.30 | 0.26 | | 6.25 | 33 | 0.64 | 0.55 |
| | 35 | 2.34 | 32 | 0.25 | 0.22 | | 6.96 | 37 | 0.57 | 0.49 |
| | 40 | 2.54 | 33 | 0.26 | 0.32 | | 7.58 | 39 | 0.55 | 0.48 |
| | 45 | 2.73 | 34 | 0.26 | 0.23 | | 8.16 | 42 | 0.51 | 0.45 |
| | 50 | 2.89 | 34 | 0.28 | 0.24 | | 8.75 | 44 | 0.50 | 0.44 |
| | 55 | 3.04 | 35 | 0.28 | 0.24 | | 9.23 | 46 | 0.49 | 0.42 |
| | 60 | 3.15 | 35 | 0.29 | 0.25 | | 9.67 | 47 | 0.49 | 0.42 |
| | 65 | 3.30 | 36 | 0.28 | 0.25 | | 10.09 | 49 | 0.47 | 0.40 |
| 70 | 3.42 | 36 | 0.29 | 0.25 | 10.42 | | 49 | 0.48 | 0.42 | |
| 4.0 | 75 | 3.55 | 37 | 0.29 | 0.25 | 10.89 | 50 | 0.48 | 0.42 | |
| | 25 | 2.73 | 26 | 0.45 | 0.39 | = Nozzles not recommended at this pressure. | | | | |
| | 30 | 3.09 | 30 | 0.38 | 0.33 | = Optimum nozzle performance. | | | | |
| | 35 | 3.47 | 33 | 0.35 | 0.31 | * Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% of diameter. | | | | |
| | 40 | 3.72 | 34 | 0.36 | 0.31 | * Precipitation rates are for square spacing, shown in inches per hour, calculated at 50% of diameter. | | | | |
| | 45 | 4.06 | 35 | 0.37 | 0.32 | All performance specifications are based on the stated working pressure available at the base of the sprinkler. | | | | |
| | 50 | 4.31 | 36 | 0.37 | 0.32 | Radius shown in feet. Data based on 360°. | | | | |
| | 55 | 4.52 | 38 | 0.35 | 0.30 | | | | | |
| | 60 | 4.69 | 38 | 0.36 | 0.31 | | | | | |
| | 65 | 4.88 | 39 | 0.36 | 0.31 | | | | | |
| 70 | 5.05 | 39 | 0.37 | 0.32 | | | | | | |
| 75 | 5.21 | 39 | 0.38 | 0.33 | | | | | | |

■ Low flow setting recommended for 720G models only. 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.

Operating Specifications

- Inlet:
 - 720: 1" female threaded NPT, BSP or ACME
 - 720G: ¾" threaded
- Radius:
 - 720: 22' – 49'
 - 720G: 19' – 49'
- Flow Rate:
 - 720: 3.0 – 9.0 GPM
 - 720G: 0.85 – 11.62 GPM
- Optimum Nozzle Performance: 65 psi
- Recommended Operating Pressure Range:
 - 720: Electric; 40-120 psi – Normally Open & Check-O-Matic; 40-90 psi
 - 720G: 20 – 50 psi
- Standard Pressure Regulation for Model 720: 65 psi
- Trajectory: Adjustable 5° - 25°
- Check-O-Matic:
 - 720: Maintains up to 37' elevation
 - 720G: Maintains up to 10' elevation
- Electric Valve-in-Head Solenoid: 24V ac, 50/60 Hz
 - Inrush: 60 Hz, 0.12 Amps
 - Holding: 60 Hz, 0.10 Amps

Dimensions

- Body diameter:
 - 720: 6 ½"
 - 720G: 2 ½"
- Body height:
 - 720: 10"
 - 720G: 7"
- Weight:
 - 720: 2.96 lbs.
 - 720G: .69 lbs
- Pop-up height to nozzle:
 - 720: 2 7/8"
 - 720G: 2 5/8"

Additional Features

- High pop-up height to clear taller grasses
- All adjustments made from the top-wet or dry
- Balanced 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

Warranty

- Three years
- Five years when installed with Toro swing joints (720 only)

Specifying Information—720G Series

| 72XGE | | |
|---|---------------|------------------|
| Arc | Optional | |
| 72XG | E | |
| 4—Full-circle | 5—Part-circle | E—Effluent Model |
| Example: When specifying a full-circle 720G Sprinkler, you would specify: 724G | | |

Specifying Information—720 Series

| 72X-XX-396E | | | | | |
|--|---------|--------------------|----------------------------|----------------------|------------------|
| Body Arc | Threads | Valve-In-Head Type | Nozzle | Pressure Regulation* | Optional |
| 72X | X | X | 39 | 6 | E |
| 4—Full-circle | 0—NPT | 1—N.O. Hydraulic | Nozzles selection from 3-9 | 6—65 psi | E—Effluent Model |
| 5—Part-circle | 4—ACME | 2—Check-O-Matic | | | |
| | 5—BSP | 6—Electric | | | |
| Example: When specifying a full-circle 720 Series Sprinkler with NPT threads, electric valve and pressure regulation at 65 psi, you would specify: 724-06-396 | | | | | |

www.toro.com • The Toro Company

Irrigation Division • 5825 Jasmine St. Riverside, CA 92504 • 877.345.TORO (8676)
 P/N 09-5030-IG Specifications subject to change without notice. For more information, contact your local Toro distributor. ©2009 The Toro Company. All rights reserved.