

TORO

count on it.

810G/810GL Series

GOLF ROTORS

The 810G Series from Toro - a medium range rotary sprinkler designed specifically for golf course applications with features like Tru-jectory® adjustment and flow shut off that put it in a class all its own.



Water Management Highlight

With up to eight different nozzles available with each sprinkler you can select the optimum nozzle for any installation. And with Tru-jectory adjustment the radius can be adjusted to achieve exact head to head coverage and optimum distribution uniformity. Standard check valve eliminates low head drainage, water waste and soil erosion.



Features & Benefits



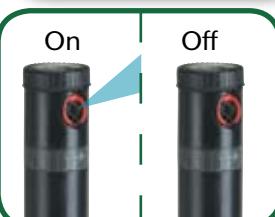
TRUJECTORY™ ADJUSTMENT FROM 5° TO 25°

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.



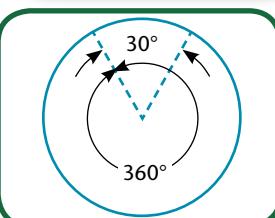
NOZZLE TREES

Each 810G sprinkler includes a nozzle tree with up to 8 different nozzle selections allowing you to match the flow and radius for any mid range application. Additionally, three separate MPR nozzle trees are available for the 25', 30' and 35' radius applications.



FLOW SHUT-OFF

The flow shut-off features allows you to shut off the water to an individual sprinkler wet or dry. Whether you want to replace a nozzle or just let the area dry out this feature provides significant labor savings.



ADJUSTABLE PART AND FULL CIRCLE IN ONE – 30°–360°

One sprinkler for every location on the course. These unique sprinklers can be a full circle today and part circle tomorrow allowing you to simply and economically adjust the area of coverage to match your seasonal needs or meet water rationing mandates in seconds with no additional parts required.



FLANGED CAP

Flanged cap installs below grade to stabilize the body position and maintain optimum nozzle performance.



102-1303

Adjustment Tool 810G

- Riser pull up feature
- Nozzle replacement
- Adjusts:
 - Radius reduction screw
 - Arc
 - Trajectory
 - Flow shut off

TORO®

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Operating Specifications

- Inlet: 1" female threaded NPT, BSP or ACME
- Radius: - 810G: 33° – 71°
- 810G "L": 20° – 47°
- Flow Rate: - 810G: 6.7 – 27.0 GPM
- 810G "L": 1.0 – 9.8 GPM
- Recommended Operating Pressure Range: 40-100 psi
- Trajectory: Adjustable 5° to 25°
- Check Valve: Reversible check valve prevents low-head drainage (maintains up to 6' elevation change)

Dimensions

- Body diameter: 2 3/8"
- Weight: .99 lbs.
- Body height: 9 1/4"
- Pop-up height to nozzle: 4 3/4"

810G Performance Data

| Nozzle Size | psi | Flow | 5° | | | 15° | | | 25° | | |
|-------------|-----|------|--------|---------------|--------|--------|---------------|--------|--------|---------------|--------|
| | | | Radius | Precip. Rate* | Radius | Radius | Precip. Rate* | Radius | Radius | Precip. Rate* | Radius |
| 7 | 40 | 6.7 | 33 | 0.68 | 0.59 | 39 | 0.38 | 0.44 | 44 | 0.29 | 0.33 |
| | 50 | 7.1 | 37 | 0.57 | 0.50 | 42 | 0.34 | 0.39 | 46 | 0.28 | 0.32 |
| | 60 | 7.8 | 38 | 0.60 | 0.52 | 43 | 0.36 | 0.41 | 47 | 0.29 | 0.34 |
| | 70 | 8.4 | 40 | 0.58 | 0.51 | 44 | 0.36 | 0.42 | 48 | 0.30 | 0.35 |
| | 80 | 9.1 | 41 | 0.60 | 0.52 | 45 | 0.37 | 0.43 | 49 | 0.32 | 0.37 |
| | 90 | 9.5 | 42 | 0.60 | 0.52 | 46 | 0.38 | 0.43 | 50 | 0.32 | 0.37 |
| Orange | 100 | 10.6 | 43 | 0.64 | 0.55 | 47 | 0.40 | 0.46 | 51 | 0.34 | 0.39 |
| | 40 | 7.1 | 33 | 0.73 | 0.63 | 39 | 0.39 | 0.45 | 45 | 0.29 | 0.34 |
| | 50 | 8.0 | 37 | 0.65 | 0.56 | 42 | 0.38 | 0.44 | 47 | 0.30 | 0.35 |
| | 60 | 8.7 | 38 | 0.67 | 0.58 | 43 | 0.39 | 0.45 | 48 | 0.31 | 0.36 |
| | 70 | 9.3 | 38 | 0.71 | 0.62 | 44 | 0.41 | 0.47 | 49 | 0.32 | 0.37 |
| | 80 | 9.7 | 40 | 0.68 | 0.59 | 45 | 0.40 | 0.46 | 50 | 0.32 | 0.37 |
| 9 | 90 | 10.9 | 42 | 0.68 | 0.59 | 47 | 0.42 | 0.48 | 51 | 0.35 | 0.40 |
| | 100 | 11.6 | 43 | 0.70 | 0.60 | 47 | 0.44 | 0.51 | 51 | 0.37 | 0.43 |
| | 40 | 9.7 | 33 | 0.99 | 0.86 | 39 | 0.53 | 0.61 | 45 | 0.40 | 0.46 |
| | 50 | 11.4 | 37 | 0.93 | 0.80 | 43 | 0.53 | 0.61 | 48 | 0.41 | 0.48 |
| | 60 | 12.4 | 38 | 0.95 | 0.82 | 44 | 0.53 | 0.61 | 50 | 0.41 | 0.48 |
| | 70 | 13.4 | 39 | 0.98 | 0.85 | 45 | 0.55 | 0.64 | 51 | 0.43 | 0.50 |
| 12 | 80 | 14.2 | 40 | 0.99 | 0.86 | 46 | 0.56 | 0.65 | 52 | 0.44 | 0.51 |
| | 90 | 15.2 | 42 | 0.96 | 0.83 | 48 | 0.56 | 0.65 | 53 | 0.45 | 0.52 |
| | 100 | 16.0 | 43 | 0.96 | 0.83 | 48 | 0.58 | 0.67 | 53 | 0.48 | 0.55 |
| | 40 | 12.7 | 34 | 1.22 | 1.06 | 40 | 0.66 | 0.76 | 46 | 0.50 | 0.58 |
| | 50 | 14.5 | 38 | 1.12 | 0.97 | 45 | 0.60 | 0.69 | 52 | 0.45 | 0.52 |
| | 60 | 16.0 | 42 | 1.01 | 0.87 | 49 | 0.57 | 0.65 | 55 | 0.44 | 0.51 |
| 16 | 70 | 17.4 | 44 | 1.00 | 0.86 | 51 | 0.56 | 0.64 | 58 | 0.43 | 0.50 |
| | 80 | 18.3 | 47 | 0.92 | 0.80 | 53 | 0.55 | 0.64 | 58 | 0.45 | 0.52 |
| | 90 | 19.6 | 48 | 0.94 | 0.82 | 54 | 0.57 | 0.66 | 59 | 0.47 | 0.54 |
| | 100 | 20.5 | 50 | 0.91 | 0.79 | 55 | 0.56 | 0.65 | 60 | 0.47 | 0.55 |
| | 40 | 12.7 | 34 | 1.35 | 1.17 | 41 | 0.71 | 0.82 | 47 | 0.53 | 0.61 |
| | 50 | 16.2 | 38 | 1.24 | 1.08 | 46 | 0.65 | 0.75 | 53 | 0.48 | 0.55 |
| 20 | 60 | 17.9 | 42 | 1.13 | 0.98 | 50 | 0.60 | 0.69 | 58 | 0.44 | 0.51 |
| | 70 | 19.3 | 48 | 0.93 | 0.81 | 55 | 0.54 | 0.63 | 61 | 0.43 | 0.50 |
| | 80 | 20.7 | 49 | 0.96 | 0.83 | 56 | 0.55 | 0.64 | 63 | 0.43 | 0.50 |
| | 90 | 21.9 | 51 | 0.94 | 0.81 | 56 | 0.58 | 0.67 | 61 | 0.49 | 0.57 |
| | 100 | 22.9 | 51 | 0.98 | 0.85 | 58 | 0.57 | 0.66 | 65 | 0.45 | 0.52 |
| | 40 | 14.0 | 34 | 1.35 | 1.17 | 41 | 0.71 | 0.82 | 47 | 0.53 | 0.61 |
| 24 | 50 | 16.2 | 38 | 1.24 | 1.08 | 46 | 0.65 | 0.75 | 53 | 0.48 | 0.55 |
| | 60 | 17.7 | 46 | 0.93 | 0.81 | 52 | 0.55 | 0.63 | 58 | 0.44 | 0.51 |
| | 70 | 18.9 | 49 | 0.87 | 0.76 | 55 | 0.52 | 0.60 | 61 | 0.42 | 0.49 |
| | 80 | 20.3 | 50 | 0.90 | 0.78 | 56 | 0.54 | 0.62 | 62 | 0.44 | 0.51 |
| | 90 | 21.6 | 54 | 0.82 | 0.71 | 60 | 0.51 | 0.59 | 65 | 0.43 | 0.49 |
| | 100 | 22.8 | 56 | 0.81 | 0.70 | 62 | 0.50 | 0.58 | 67 | 0.42 | 0.49 |
| 27 | 40 | 16.7 | 34 | 1.61 | 1.39 | 41 | 0.83 | 0.96 | 48 | 0.60 | 0.70 |
| | 50 | 19.0 | 38 | 1.46 | 1.27 | 47 | 0.72 | 0.83 | 56 | 0.51 | 0.58 |
| | 60 | 20.9 | 43 | 1.25 | 1.09 | 52 | 0.66 | 0.76 | 60 | 0.48 | 0.56 |
| | 70 | 22.7 | 49 | 1.05 | 0.91 | 56 | 0.60 | 0.70 | 63 | 0.48 | 0.55 |
| | 80 | 24.2 | 52 | 1.00 | 0.86 | 59 | 0.59 | 0.68 | 65 | 0.48 | 0.55 |
| | 90 | 25.6 | 55 | 0.94 | 0.81 | 62 | 0.55 | 0.64 | 69 | 0.45 | 0.52 |
| Gray | 100 | 27.0 | 57 | 0.92 | 0.80 | 64 | 0.55 | 0.63 | 71 | 0.45 | 0.52 |

* Precipitation rates are for triangular spacing, shown in inches per hour, calculated at 50% 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.

Radius shown in feet. Data based on 360°.

#12 nozzle comes pre-installed from factory in standard models. #3 nozzles come preinstalled from factory in "L" models.

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.

Additional Features

- Simple to set adjusting band – arc is factory pre-set to 180°
- Smart Arc™ memory returns sprinkler to previously set arc
- Below-grade installation
- Unique over-molded wiper seal
- Cluster, water-lubricated, gear-drive design
- Standard rubber cover
- Large filter screen
- Color-coded nozzle tree; seven nozzles for 810G and eight nozzles for 810G "L".
- Factory-installed nozzle; #12 on 810G and #3 on 810G "L"

Warranty

- Three years • Five years when installed with Toro swing joints

810G "L" Performance Data

| Nozzle Size | psi | Flow | 5° | | 15° | | 25° | |
|-------------|-----|------|--------|---------------|--------|---------------|--------|---------------|
| | | | Radius | Precip. Rate* | Radius | Precip. Rate* | Radius | Precip. Rate* |
| 1.0 | 30 | 1.0 | 20 | 0.28 | 0.24 | 26 | 0.16 | 0.14 |
| | 40 | 1.1 | 21 | 0.28 | 0.24 | 27 | 0.18 | 0.15 |
| | 50 | 1.3 | 22 | 0.30 | 0.26 | 27 | 0.20 | 0.17 |
| | 60 | 1.4 | 25 | 0.26 | 0.23 | 28 | 0.22 | 0.19 |
| | 70 | 1.5 | 25 | 0.29 | 0.25 | 28 | 0.22 | 0.18 |
| | 80 | 1.7 | 28 | 0.18 | 0.15 | 30 | 0.15 | 0.13 |
| 1.5 | 30 | 1.2 | 28 | 0.18 | 0.15 | 30 | 0.15 | 0.12 |
| | 40 | 1.4 | 29 | 0.19 | 0.17 | 31 | 0.16 | 0.14 |
| | 50 | 1.6 | 29 | 0.21 | 0.18 | 32 | 0.18 | 0.15 |
| | 60 | 1.7 | 31 | 0.21 | 0.18 | 32 | 0.19 | 0.16 |
| | 70 | 1.9 | 31 | 0.22 | 0.19 | 32 | 0.21 | 0.15 |
| | 80 | 2.1 | 31 | 0.19 | 0.17 | 32 | 0.18 | 0.12 |
| 2.0 | 30 | 1.7 | 31 | 0.19 | 0.17 | 32 | 0.18 | 0.12 |
| | 40 | 1.9 | 31 | 0.22 | 0.19 | 34 | 0.18 | 0.13 |
| | 50 | 2.2 | 32 | 0.24 | 0.21 | 35 | 0.20 | 0.14 |
| | 60 | 2.4 | 33 | 0.25 | 0.22 | 36 | 0.20 | 0.18 |
| | 70 | 2.6 | 33 | 0.27 | 0.23 | 36 | 0.22 | 0.20 |
| | 80 | 2.8 | 33 | 0.27 | 0.23 | 36 | 0.23 | 0.16 |
| 3.0* | 30 | 2.3 | 31 | 0.27 | 0.23 | 34 | 0.23 | 0.20 |
| | 40 | 2.6 | 31 | 0.31 | 0.26 | 35 | 0.25 | 0.21 |
| | 50 | 3.0 | 33 | 0.30 | 0.26 | 36 | 0.26 | 0.22 |
| | 60 | 3.3 | 35 | 0.31 | 0.27 | 38 | 0.26 | 0.23 |
| | 70 | 3.6 | 35 | 0.32 | 0.28 | 39 | 0.27 | 0.23 |
| | 80 | 3.8 | 35 | 0.32 | 0.28 | 39 | 0.27 | 0.23 |
| 4.5 | 30 | 3.6 | 31 | 0.42 | 0.36 | 34 | 0.35 | 0.30 |
| | 40 | 4.1 | 32 | 0.44 | 0.38 | 35 | 0.38 | 0.33 |
| | 50 | 4.6 | 34 | 0.45 | 0.39 | 37 | 0.39 | 0.31 |
| | 60 | 5.1 | 35 | 0.48 | 0.41 | 38 | 0.41 | 0.32 |
| | 70 | 5.6 | 36 | 0.48 | 0.42 | 39 | 0.41 | 0.35 |
| | 80 | 6.1 | 36 | 0.48 | 0.42 | 39 | 0.40 | 0.35 |
| 6.0 | 30 | 4.4 | 31 | 0.51 | 0.44 | 35 | 0.40 | 0.35 |
| | 40 | 5.0 | 32 | 0.56 | 0.48 | 37 | 0.42 | 0.36 |
| | 50 | 5.7 | 35 | 0.53 | 0.46 | 40 | 0.39 | 0.34 |
| | 60 | 6.3 | 37 | 0.51 | 0.44 | 40 | 0.45 | 0.39 |
| | 70 | 6.8 | 38 | 0.54 | 0.47 | 41 | 0.45 | 0.38 |
| | 80 | 7.5 | 37 | 0.63 | 0.54 | 40 | 0.55 | 0.40 |
| 7.5 | 30 | 4.9 | 34 | 0.47 | 0.41 | 35 | 0.45 | 0.39 |
| | 40 | 5.6 | 36 | 0.49 | 0.42 | 36 | 0.48 | 0.41 |
| | 50 | 6.3 | 35 | 0.57 | 0.49 | 37 | 0.52 | 0.45 |
| | 60 | 6.9 | 36 | 0.61 | 0.53 | 38 | 0.55 | 0.47 |
| | 70 | 7.5 | 37 | 0.63 | 0.54 | 38 | 0.58 | 0.50 |
| | 80 | 8.2 | 37 | 0.72 | 0.63 | 40 | 0.68 | 0.59 |
| 9.0 | 30 | 6.1 | 34 | 0.59 | 0.51 | 34 | 0.59 | 0.51 |
| | 40 | 7.0 | 35 | 0.64 | 0.55 | 35 | 0.65 | 0.57 |
| | 50 | 8.0 | 35 | 0.73 | 0.63 | 37 | 0.65 | 0.56 |
| | 60 | 8.9 | 35 | 0.80 | 0.70 | 39 | 0.66 | 0.58 |
| | 70 | 9.8 | 37 | 0.82 | 0.71 | 40 | 0.68 | 0.59 |

Specifying Information—810G & 810G "L"

810G-X2X

| Model | Body Threads | Optional |
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