TORO

# 700 Series
## Golf Sprinklers

# 700 Series Sprinklers

## Dependability. Durability. Lower operation cost.

### Dependability.

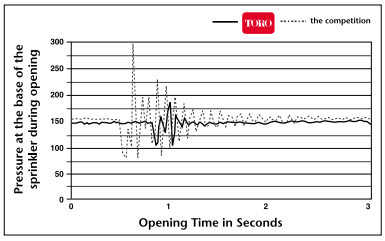
Simply, these gear drives keep going. With 35 years of experience, 700 Series sprinklers are built with proven toughness and durability. Their longevity proves their dependability, time and time again.

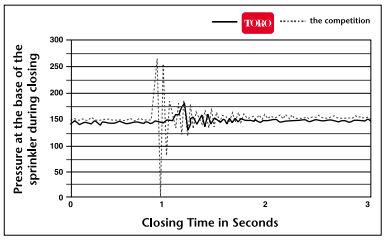
More reliability can be found within the long-standing 700 Series pilot valves. Pilot valves regulate pressure for accurate and continued performance. And, the pressure regulation is fixed — the pressure you want at purchase, is the pressure you can expect for the life of the sprinkler.

### Durability.

With 700 Series sprinklers, there's no need to worry about the damage that heavy maintenance equipment can cause. These tough sprinkler bodies protect their important internal assemblies.

The construction of the internal components prolongs sprinkler life too. They operate such that the valve opening and closing is gradual, thus reducing stress and surges on the system. This not only protects the sprinkler, but the piping as well.




### Lower Operation Cost.

Lower operation cost is an added bonus. The simplicity of design, shared components and lower maintenance requirements result in sprinklers that are not only economical to purchase, but also cost-efficient throughout the life cycle.

With Toro's sprinkler conversion assemblies, upgrading to the latest technology is a snap — you get all the features of our newest sprinklers with an easy retrofit.

### Features

- Arc pattern
  - 730/750 models: Full-circle arc for total coverage
  - 760/780 models: Adjustable part-circle: 30°-330° for more efficient coverage (full-circle models available)
- Vented for precise regulation over a wide range of pressures
- Low flush at activation for efficient operation at low pressures
- Time-proven planetary gear-drive design for long life
- Four factory-set pressure settings prevent tampering: 50 PSI, 65 PSI, 80 PSI and 100 PSI (electric)
- Color-coded nozzles by radius and gallonage
- 3 styles/activation types to fit any application:
  - Electric Valve-In-Head
  - Normally Open Hydraulic
  - Check-O-Matic
- Check-O-Matic design prevents draining at elevation differentials of up to 15'
- Manual control at the sprinkler, On-Off-Auto (electric)
- Internal components are serviceable from the top of the sprinkler
- Pilot valve is protected by a rugged body
- Pops up to 3" to clear tall grasses
- The lowest valve-in-head friction loss in the industry
- 3 body threads available:
  - ACME
  - NPT
  - BSP
- Effluent indicators available:
  - Marker (Part No. 89-4719)
  - Yardage Marker (Part No. 89-4736)
  - 730 Cap (Part No. 89-8289)
  - 750 Cap (Part No. 89-8290)
  - 760 Cap (Part No. 89-8287)
  - 780 Cap (Part No. 89-8288)

730 Series
Normally Open Hydraulic
Valve-In-Head

750 Series
Electric Valve-In-Head

760 Series
Electric Valve-In-Head

780 Series
Electric Valve-In-Head

### Simple to use.

This valve removal tool, valve insertion tool and VIH snap ring pliers — available from Toro — are all you need for quick, easy installation and removal of drive and valve assemblies from body.

# Nozzle Performance Data — 730/750 Series

**730 Series Performance Chart**

| | Nozzle Set 31 | | Nozzle Set 32 | | Nozzle Set 33 | | Nozzle Set 34 | | Nozzle Set 35 | | Nozzle Set 36 | | Nozzle Set 37 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PSI | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM |
| 50 | 52 | 11.0 | 55 | 13.3 | 60 | 16.8 | 62 | 19.8 | 66 | 25.0 | 68 | 26.5 | 69 | 29.3 |
| 55 | 53 | 12.0 | 56 | 14.1 | 61 | 17.2 | 63 | 20.6 | 67 | 25.8 | 69 | 27.9 | 70 | 30.7 |
| 60 | 54 | 13.0 | 57 | 14.9 | 62 | 17.5 | 64 | 21.4 | 68 | 26.6 | 71 | 29.2 | 72 | 32.1 |
| 65 | 55 | 14.0 | 58 | 15.7 | 63 | 17.9 | 65 | 22.2 | 69 | 27.4 | 72 | 30.6 | 74 | 33.5 |
| 70 | 56 | 14.5 | 59 | 16.3 | 64 | 18.6 | 66 | 22.8 | 70 | 28.1 | 73 | 31.4 | 76 | 34.8 |
| 75 | 56 | 15.0 | 59 | 16.9 | 64 | 19.3 | 66 | 23.4 | 70 | 28.8 | 75 | 32.2 | 78 | 36.1 |
| 80 | 57 | 15.5 | 60 | 17.5 | 65 | 20.0 | 67 | 24.0 | 71 | 29.5 | 76 | 33.0 | 80 | 37.4 |
| 85 | 58 | 15.9 | 61 | 17.8 | 66 | 21.0 | 68 | 25.0 | 72 | 31.0 | 77 | 34.3 | 81 | 38.2 |
| 90 | 59 | 16.3 | 61 | 18.1 | 67 | 21.9 | 70 | 26.1 | 73 | 32.5 | 78 | 35.5 | 82 | 39.3 |
| 95 | 59 | 16.6 | 62 | 18.4 | 67 | 22.9 | 71 | 27.1 | 74 | 34.0 | 79 | 36.8 | 82 | 40.2 |
| 100 | 60 | 17.0 | 62 | 18.7 | 68 | 23.8 | 72 | 28.1 | 75 | 35.5 | 80 | 38.0 | 83 | 41.2 |

360°

Model 734

Radius* shown in feet

= Shaded areas represent nozzles not recommended at this pressure

= Shaded areas represent standard pressure regulation at 50, 65, 80 & 100 PSI

Toro recommends the use of a 1¼" (30mm) swing joint at flows over 25 GPM (95 LPM)

**730 Series Performance Chart — Metric**

| | | | Nozzle Set 31 | | Nozzle Set 32 | | Nozzle Set 33 | | Nozzle Set 34 | | Nozzle Set 35 | | Nozzle Set 36 | | Nozzle Set 37 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bar | kPa | Kg/cm² | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM |
| 3,4 | 340 | 3,47 | 15,8 | 41,6 | 16,8 | 50,3 | 18,3 | 63,6 | 18,9 | 75,0 | 20,1 | 95 | 20,7 | 100 | 21,0 | 111 |
| 4,0 | 400 | 4,08 | 16,3 | 47,7 | 17,3 | 55,2 | 18,8 | 65,8 | 19,4 | 79,8 | 20,6 | 99 | 21,4 | 109 | 21,7 | 119 |
| 4,5 | 450 | 4,59 | 16,8 | 53,0 | 17,7 | 59,4 | 19,2 | 67,8 | 19,8 | 84,0 | 21,0 | 104 | 21,9 | 116 | 22,6 | 127 |
| 5,0 | 500 | 5,10 | 17,1 | 55,8 | 18,0 | 62,8 | 19,5 | 71,7 | 20,1 | 87,4 | 21,3 | 108 | 22,6 | 120 | 23,5 | 134 |
| 5,5 | 550 | 5,61 | 17,4 | 58,7 | 18,3 | 66,2 | 19,8 | 75,7 | 20,4 | 90,8 | 21,6 | 112 | 23,2 | 125 | 24,4 | 142 |
| 6,0 | 600 | 6,12 | 17,8 | 60,8 | 18,6 | 67,8 | 20,2 | 80,9 | 21,0 | 96,3 | 22,1 | 120 | 23,6 | 132 | 24,8 | 146 |
| 6,5 | 650 | 6,63 | 18,0 | 62,7 | 18,9 | 69,5 | 20,4 | 86,1 | 21,6 | 102 | 22,5 | 128 | 24,0 | 139 | 25,0 | 152 |
| 6,9 | 690 | 7,04 | 18,3 | 64,4 | 18,9 | 70,8 | 20,7 | 90,1 | 21,9 | 106 | 22,9 | 134 | 24,4 | 144 | 25,3 | 156 |

Radius* shown in meters

= Shaded areas represent nozzles not recommended at this pressure

= Shaded areas represent standard pressure regulation at 3,4, 4,5, 5,5 and 6,9 Bar

Toro recommends the use of a 30mm (1¼") swing joint at flows over 95 LPM (25 GPM)

**750 Series Performance Chart**

| | Nozzle Set 52 | | Nozzle Set 53 | | Nozzle Set 54 | | Nozzle Set 55 | | Nozzle Set 56 | | Nozzle Set 57 | | Nozzle Set 58 | | Nozzle Set 59 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PSI | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM |
| 50 | 56 | 13.0 | 61 | 16.8 | 65 | 20.0 | 67 | 25.3 | 68 | 30.0 | 70 | 32.5 | 73 | 37.4 | 78 | 40.1 |
| 55 | 57 | 13.5 | 62 | 17.6 | 66 | 20.9 | 68 | 26.5 | 69 | 31.5 | 73 | 33.6 | 76 | 38.9 | 81 | 41.6 |
| 60 | 57 | 14.0 | 62 | 18.2 | 68 | 21.8 | 69 | 27.7 | 71 | 33.0 | 77 | 34.7 | 68 | 40.4 | 84 | 43.1 |
| 65 | 78 | 14.5 | 63 | 19.1 | 69 | 22.8 | 70 | 28.9 | 72 | 34.6 | 80 | 35.8 | 81 | 41.9 | 87 | 44.5 |
| 70 | 79 | 15.0 | 65 | 19.8 | 72 | 23.6 | 73 | 29.9 | 75 | 36.0 | 81 | 37.3 | 83 | 43.7 | 89 | 46.4 |
| 75 | 79 | 15.6 | 66 | 20.4 | 72 | 24.5 | 73 | 30.9 | 75 | 37.4 | 83 | 38.8 | 84 | 45.5 | 90 | 48.3 |
| 80 | 60 | 16.1 | 68 | 21.1 | 74 | 25.3 | 75 | 32.0 | 77 | 38.9 | 84 | 40.3 | 86 | 47.4 | 92 | 50.2 |
| 85 | 62 | 17.4 | 69 | 22.2 | 75 | 26.8 | 76 | 33.4 | 78 | 39.9 | 86 | 41.7 | 88 | 50.2 | 94 | 52.7 |
| 90 | 63 | 18.7 | 70 | 23.4 | 76 | 28.4 | 78 | 34.8 | 80 | 41.0 | 87 | 43.1 | 89 | 53.0 | 96 | 53.0 |
| 95 | 65 | 19.9 | 71 | 24.5 | 76 | 29.9 | 79 | 36.2 | 81 | 42.0 | 89 | 44.4 | 91 | 55.7 | 98 | 55.7 |
| 100 | 66 | 21.2 | 72 | 25.6 | 77 | 31.4 | 80 | 37.6 | 82 | 43.0 | 90 | 46.8 | 92 | 58.6 | 98 | 60.1 |

360°

Model 754

Radius* shown in feet

= Shaded areas represent nozzles not recommended at this pressure

= Shaded areas represent standard pressure regulation at 50, 65, 80 & 100 PSI

**750 Series Performance Chart — Metric**

| | | | Nozzle Set 52 | | Nozzle Set 53 | | Nozzle Set 54 | | Nozzle Set 55 | | Nozzle Set 56 | | Nozzle Set 57 | | Nozzle Set 58 | | Nozzle Set 59 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bar | kPa | Kg/cm² | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM |
| 3,4 | 340 | 3,47 | 17,1 | 49,2 | 18,6 | 63,6 | 19,8 | 75,7 | 20,4 | 95,8 | 20,7 | 114 | 21,3 | 123 | 22,3 | 142 | 23,8 | 152 |
| 4,0 | 400 | 4,08 | 17,4 | 52,2 | 18,9 | 68,2 | 20,5 | 81,2 | 20,9 | 103 | 21,4 | 123 | 23,0 | 130 | 23,5 | 151 | 25,2 | 161 |
| 4,5 | 450 | 4,59 | 17,7 | 54,9 | 19,2 | 72,3 | 21,0 | 86,3 | 21,3 | 109 | 21,9 | 131 | 24,4 | 136 | 24,7 | 159 | 26,5 | 168 |
| 5,0 | 500 | 5,10 | 18,0 | 57,9 | 20,0 | 76,1 | 21,9 | 91,0 | 22,3 | 115 | 22,9 | 139 | 25,0 | 144 | 25,5 | 169 | 27,3 | 179 |
| 5,5 | 550 | 5,61 | 18,3 | 60,9 | 20,7 | 79,9 | 22,6 | 95,8 | 22,9 | 121 | 23,5 | 147 | 25,6 | 153 | 26,2 | 179 | 28,0 | 190 |
| 6,0 | 600 | 6,12 | 19,0 | 67,8 | 21,2 | 85,9 | 23,0 | 104 | 23,4 | 129 | 24,0 | 153 | 26,3 | 160 | 26,9 | 194 | 28,9 | 200 |
| 6,5 | 650 | 6,63 | 19,7 | 74,6 | 21,6 | 92,1 | 23,2 | 112 | 24,0 | 136 | 24,6 | 158 | 27,0 | 167 | 27,6 | 209 | 29,8 | 209 |
| 6,9 | 690 | 7,04 | 20,1 | 80,3 | 21,9 | 96,9 | 23,5 | 119 | 24,4 | 142 | 25,0 | 163 | 27,4 | 177 | 28,0 | 222 | 29,9 | 228 |

Radius* shown in meters

= Shaded areas represent nozzles not recommended at this pressure

= Shaded areas represent standard pressure regulation at 3,4, 4,5, 5,5 and 6,9 Bar

**Sprinkler radius of throw per ASAE standard S398.1*

## Atter

## 600 Seri

### Conversion Assembli

- *Lower cost*
- *Higher pop-up*
- *Easier to adjust arc*
- *Easier to service*

*Quickly upgrades existing Toro technology to provide all the fe*

### 730 Conversion Assembly

*For upgrades to existing 630 and 660 Series Sprinklers*

### 750 Conversion Assembly

*For upgrades to existing 650 and 680 Series Sprinklers*

# ntion:

## es Users

s

*rinklers to the latest*
*ures of our newest sprinklers.*

### 780 Conversion Assembly for Non-Ribbed Bodies

*For 650s built prior to 1993*

### 780 Conversion Assembly for Ribbed Bodies

*For 650s built since 1993*

# Nozzle Performance Data — 760/780 Series


Model 764


Model 765

**760 Series Performance Chart**

| | Nozzle Set 62 | | Nozzle Set 63 | | Nozzle Set 64 | | Nozzle Set 65 | | Nozzle Set 66 | | Nozzle Set 67 | | Nozzle Set 68 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PSI | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM |
| 50 | 55 | 11.7 | 58 | 13.2 | 61 | 16.8 | 63 | 20.2 | 65 | 23.0 | 67 | 26.8 | 68 | 28.6 |
| 55 | 56 | 12.3 | 60 | 13.7 | 63 | 17.5 | 65 | 21.2 | 67 | 24.2 | 69 | 28.1 | 70 | 30.1 |
| 60 | 57 | 12.8 | 62 | 14.3 | 64 | 18.1 | 66 | 22.1 | 69 | 25.4 | 70 | 29.4 | 71 | 31.5 |
| 65 | 58 | 13.4 | 64 | 14.8 | 66 | 18.8 | 68 | 23.1 | 71 | 26.6 | 72 | 30.7 | 73 | 33.0 |
| 70 | 59 | 13.9 | 64 | 15.3 | 67 | 19.6 | 69 | 23.9 | 72 | 27.5 | 73 | 31.9 | 74 | 34.2 |
| 75 | 60 | 14.4 | 65 | 15.9 | 68 | 20.3 | 71 | 24.8 | 73 | 28.4 | 74 | 33.1 | 75 | 35.3 |
| 80 | 61 | 14.9 | 65 | 16.4 | 69 | 21.1 | 72 | 25.6 | 74 | 29.4 | 75 | 34.4 | 76 | 36.5 |
| 85 | 62 | 15.3 | 65 | 17.0 | 69 | 21.8 | 73 | 26.3 | 75 | 30.3 | 76 | 35.4 | 77 | 37.7 |
| 90 | 62 | 15.6 | 66 | 17.5 | 70 | 22.6 | 73 | 27.0 | 75 | 31.2 | 76 | 36.4 | 77 | 38.9 |
| 95 | 63 | 16.0 | 66 | 18.1 | 70 | 23.3 | 74 | 27.6 | 76 | 32.0 | 77 | 37.4 | 78 | 40.0 |
| 100 | 63 | 16.3 | 66 | 18.6 | 70 | 24.0 | 74 | 28.3 | 76 | 32.9 | 77 | 38.4 | 78 | 41.2 |

= Shaded areas represent standard pressure regulation at 50, 65, 80 & 100 PSI
Radius* shown in feet

**760 Series Performance Chart — Metric**

| | | | Nozzle Set 62 | | Nozzle Set 63 | | Nozzle Set 64 | | Nozzle Set 65 | | Nozzle Set 66 | | Nozzle Set 67 | | Nozzle Set 68 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bar | kPa | Kg/cm² | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM |
| 3,4 | 340 | 3,47 | 16,8 | 44,3 | 17,7 | 50,0 | 18,6 | 63,6 | 19,2 | 76,5 | 19,8 | 87,1 | 20,4 | 101 | 20,7 | 108 |
| 4,0 | 400 | 4,08 | 17,3 | 47,7 | 18,7 | 53,2 | 19,4 | 67,6 | 20,0 | 82,3 | 20,8 | 94,3 | 21,2 | 109 | 21,5 | 117 |
| 4,5 | 450 | 4,59 | 17,7 | 50,7 | 19,5 | 56,0 | 20,1 | 71,2 | 20,7 | 87,4 | 21,6 | 101 | 21,9 | 116 | 22,3 | 125 |
| 5,0 | 500 | 5,10 | 18,1 | 53,6 | 19,7 | 59,1 | 20,6 | 75,5 | 21,3 | 92,2 | 22,1 | 106 | 22,4 | 123 | 22,7 | 132 |
| 5,5 | 550 | 5,61 | 18,6 | 56,4 | 19,8 | 62,1 | 21,0 | 79,9 | 21,9 | 96,9 | 22,6 | 111 | 22,9 | 130 | 23,2 | 138 |
| 6,0 | 600 | 6,12 | 18,9 | 58,4 | 19,9 | 65,1 | 21,2 | 83,7 | 22,3 | 101 | 22,9 | 116 | 23,2 | 136 | 23,5 | 145 |
| 6,5 | 650 | 6,63 | 19,2 | 60,3 | 20,1 | 68,2 | 21,3 | 87,8 | 22,5 | 104 | 23,1 | 121 | 23,4 | 141 | 23,7 | 151 |
| 6,9 | 690 | 7,04 | 19,2 | 61,7 | 20,1 | 70,4 | 21,3 | 90,8 | 22,6 | 107 | 23,2 | 125 | 23,5 | 145 | 23,8 | 156 |

= Shaded areas represent standard pressure regulation at 3,4, 4,5, 5,5 and 6,9 Bar
Radius* shown in meters


Model 784


Model 785

**780 Series Performance Chart**

| | Nozzle Set 82 | | Nozzle Set 83 | | Nozzle Set 84 | | Nozzle Set 85 | | Nozzle Set 86 | | Nozzle Set 87 | | Nozzle Set 88 | | Nozzle Set 89 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PSI | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM | Radius | GPM |
| 50 | 55 | 12.3 | 58 | 13.2 | 61 | 17.2 | 63 | 20.8 | 65 | 24.4 | 69 | 28.8 | 72 | 32.2 | 74 | 35.7 |
| 55 | 57 | 12.7 | 60 | 13.8 | 63 | 18.1 | 65 | 21.7 | 67 | 25.6 | 70 | 30.2 | 73 | 33.7 | 75 | 37.3 |
| 60 | 58 | 13.0 | 62 | 14.4 | 65 | 18.9 | 66 | 22.6 | 69 | 26.8 | 72 | 31.5 | 74 | 35.2 | 76 | 38.9 |
| 65 | 60 | 13.4 | 64 | 15.0 | 67 | 19.8 | 68 | 23.6 | 71 | 28.1 | 73 | 32.9 | 75 | 36.8 | 77 | 40.6 |
| 70 | 61 | 13.9 | 65 | 15.5 | 68 | 20.6 | 70 | 24.4 | 73 | 29.0 | 75 | 24.2 | 77 | 38.3 | 79 | 42.1 |
| 75 | 63 | 14.4 | 67 | 15.9 | 70 | 21.3 | 72 | 25.1 | 76 | 29.9 | 78 | 25.5 | 79 | 39.8 | 81 | 43.6 |
| 80 | 64 | 14.9 | 68 | 16.4 | 71 | 22.1 | 74 | 25.9 | 78 | 30.9 | 80 | 36.9 | 81 | 41.4 | 82 | 45.2 |
| 85 | 65 | 15.4 | 68 | 17.0 | 71 | 22.7 | 75 | 26.8 | 79 | 31.8 | 81 | 37.9 | 82 | 42.4 | 83 | 46.4 |
| 90 | 66 | 15.6 | 69 | 17.5 | 72 | 23.3 | 75 | 27.7 | 79 | 32.7 | 82 | 38.9 | 84 | 43.4 | 85 | 47.7 |
| 95 | 66 | 16.0 | 69 | 18.1 | 72 | 23.9 | 76 | 28.5 | 80 | 33.6 | 83 | 39.9 | 85 | 44.4 | 86 | 48.9 |
| 100 | 67 | 16.3 | 69 | 18.6 | 72 | 24.5 | 76 | 29.4 | 80 | 34.5 | 84 | 40.9 | 86 | 45.4 | 87 | 50.1 |

= Shaded areas represent standard pressure regulation at 50, 65, 80 & 100 PSI
Radius* shown in feet

**780 Series Performance Chart — Metric**

| | | | Nozzle Set 82 | | Nozzle Set 83 | | Nozzle Set 84 | | Nozzle Set 85 | | Nozzle Set 86 | | Nozzle Set 87 | | Nozzle Set 88 | | Nozzle Set 89 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bar | kPa | Kg/cm² | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM | Radius | LPM |
| 3,4 | 340 | 3,47 | 16,8 | 46,6 | 17,7 | 50,0 | 18,6 | 65,1 | 19,2 | 78,7 | 19,8 | 92,4 | 21,0 | 109 | 21,9 | 122 | 22,6 | 135 |
| 4,0 | 400 | 4,08 | 17,6 | 48,8 | 18,7 | 53,6 | 19,6 | 70,3 | 20,0 | 84,2 | 20,8 | 99,6 | 21,7 | 117 | 22,4 | 131 | 23,0 | 145 |
| 4,5 | 450 | 4,59 | 18,3 | 50,7 | 19,5 | 56,8 | 20,4 | 75,0 | 20,7 | 89,3 | 21,6 | 106 | 22,3 | 125 | 22,9 | 139 | 23,5 | 154 |
| 5,0 | 500 | 5,10 | 18,9 | 53,6 | 20,1 | 59,4 | 21,0 | 79,3 | 21,6 | 93,7 | 22,7 | 111 | 23,3 | 132 | 23,8 | 148 | 24,2 | 162 |
| 5,5 | 550 | 5,61 | 19,5 | 56,4 | 20,7 | 62,1 | 21,6 | 83,7 | 22,6 | 98,0 | 23,8 | 117 | 24,4 | 140 | 24,7 | 157 | 25,0 | 171 |
| 6,0 | 600 | 6,12 | 19,9 | 58,6 | 20,8 | 65,1 | 21,8 | 86,8 | 22,9 | 103 | 24,1 | 122 | 24,8 | 145 | 25,2 | 162 | 25,5 | 178 |
| 6,5 | 650 | 6,63 | 20,1 | 60,3 | 21,0 | 68,2 | 21,9 | 90,1 | 23,1 | 107 | 24,3 | 127 | 25,3 | 150 | 25,9 | 168 | 26,2 | 184 |
| 6,9 | 690 | 7,04 | 20,4 | 61,7 | 21,0 | 70,4 | 21,9 | 92,7 | 23,2 | 111 | 24,4 | 131 | 25,6 | 155 | 26,2 | 172 | 26,5 | 190 |

= Shaded areas represent standard pressure regulation at 3,4, 4,5, 5,5 and 6,9 Bar
Radius* shown in meters

**Sprinkler radius of throw per ASAE standard S398.1*

## 730 Specifications

- Radius: 52'-83'
- Flow Rate: 11.0–41.2 GPM
- 1" NPT female-threaded inlet, BSP and ACME threads available
- Full-circle models
- Pop-up height: 3"

## 750 Specifications

- Radius: 56'-98'
- Flow Rate: 13.0–60.1 GPM
- 1½" NPT female-threaded inlet, BSP and ACME threads available
- Full-circle models
- Pop-up height: 3"

## Electrical Specifications

- 24 V a.c., 50/60 Hz
- Inrush:
  - 50 Hz: 0.47 Amps (11.3 VA)
  - 60 Hz: 0.40 Amps (9.6 VA)
- Holding:
  - 50 Hz: 0.32 Amps (7.7 VA)
  - 60 Hz: 0.30 Amps (7.2 VA)

**730 SERIES NOZZLE ORDERING MATRIX**

| Nozzle Set | | | | | | | Press. Reg. Settings |
|---|---|---|---|---|---|---|---|
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | |
| X | X | • | • | • | • | n/a | 5—50 PSI |
| • | • | X | X | X | X | • | 6—65 PSI |
| • | • | • | • | • | • | X | 8—80 PSI |
| • | • | • | • | • | • | • | 1—100 PSI |

X—Optimum performance •—Available n/a—Not available

Model 734

**750 SERIES NOZZLE ORDERING MATRIX**

| Nozzle Set | | | | | | | | Press. Reg. Settings |
|---|---|---|---|---|---|---|---|---|
| 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | |
| X | • | • | • | • | • | • | • | 5—50 PSI |
| • | X | X | X | X | • | • | • | 6—65 PSI |
| • | • | • | • | • | X | X | X | 8—80 PSI |
| • | • | • | • | • | • | • | • | 1—100 PSI |

X—Optimum performance •—Available

Model 754

## Ordering Information — 730 & 750 Series Sprinklers

7X4 | X | X | XX | X

| *Body Inlet* | *Body Threads* | *Valve-In-Head Type* | *Nozzle* | *Pressure Regulation** |
|---|---|---|---|---|
| **730**<br>3—1"<br><br>**750**<br>5—1½" | 0—NPT<br>4—ACME<br>5—BSP | 1—Normally Open Hydraulic<br>2—Check-O-Matic<br>6—Electric | **730**<br>31 32 33 34<br>35 36 37<br><br>**750**<br>52 53 54 55<br>56 57 58 59 | 5—50 PSI<br>6—65 PSI<br>8—80 PSI<br>1—100 PSI |

For Example:
When ordering a 750 Series Sprinkler with a 360° arc, NPT threads, #52 nozzle, electric valve-in-head and pressure regulation at 50 PSI, you would order:

**754-06-525**

*Electric models only.

## 760 Specifications

- Radius: 55'-78'
- Flow Rate: 11.7–41.2 GPM
- 1" NPT female-threaded inlet, BSP and ACME threads available
- Adjustable part-circle (30°-330° and full-circle models)
- Pop-up height: 3"

## 780 Specifications

- Radius: 55'-87'
- Flow Rate: 12.3–50.1 GPM
- 1½" NPT female-threaded inlet, BSP and ACME threads available
- Adjustable part-circle (30°-330° and full-circle models)
- Pop-up height: 3"

## Electrical Specifications

- 24 V a.c., 50/60 Hz
- Inrush:
  - 50 Hz: 0.47 Amps (11.3 VA)
  - 60 Hz: 0.40 Amps (9.6 VA)
- Holding:
  - 50 Hz: 0.32 Amps (7.7 VA)
  - 60 Hz: 0.30 Amps (7.2 VA)

### 760 SERIES NOZZLE SPECIFYING MATRIX

| Nozzle Set | | | | | | | Press. Reg. Settings |
|---|---|---|---|---|---|---|---|
| 62 | 63 | 64 | 65 | 66 | 67 | 68 | |
| X | • | • | • | • | • | • | 5—50 PSI |
| • | X | X | X | X | • | • | 6—65 PSI |
| • | • | • | • | • | X | X | 8—80 PSI |
| • | • | • | • | • | • | • | 1—100 PSI |

X—Optimum performance •—Available

Model 764

Model 765

### 780 SERIES NOZZLE SPECIFYING MATRIX

| Nozzle Set | | | | | | | | Press. Reg. Settings |
|---|---|---|---|---|---|---|---|---|
| 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | |
| X | • | • | • | • | • | • | • | 5—50 PSI |
| • | X | X | X | X | • | • | • | 6—65 PSI |
| • | • | • | • | • | X | X | X | 8—80 PSI |
| • | • | • | • | • | • | • | • | 1—100 PSI |

X—Optimum performance •—Available

Model 784

Model 785

## Specifying Information — 760 & 780 Series Sprinklers

7XX | X | X | XX | X

| *Body Inlet* | *Arc* | *Body Threads* | *Valve-In-Head Type* | *Nozzle* | *Pressure Regulation** |
|---|---|---|---|---|---|
| **760**<br>6—1"<br><br>**780**<br>8—1½" | 4—Full-Circle<br>5—Adjustable Part-Circle | 0—NPT<br>4—ACME<br>5—BSP | 1—Normally Open Hydraulic<br>2—Check-O-Matic<br>6—Electric | **760**<br>62 63 64 65<br>66 67 68<br><br>**780**<br>82 83 84 85<br>86 87 88 89 | 5—50 PSI<br>6—65 PSI<br>8—80 PSI<br>1—100 PSI |

For Example:

When specifying a 780 Series Sprinkler with a 360° arc, NPT threads, #86 nozzle, electric valve-in-head and pressure regulation at 80 PSI, you would specify:

**784-06-868**

* Electric models only.

A Tradition of Dependability

**The Toro Company**
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