

# DT34/DT54 Series & DT35/DT55 Series

Radius: 55'–95'

Flow rate: 14–60 GPM

Full-circle (360°); 40°–330° Part- and Full-circle

## Specifications

### Radius:

DT34: 55'–90' (16,7–27,4m)

DT54: 60'–95' (18,2–28,9m)

DT35: 55'–90' (16,7–27,4m)

DT55: 60'–95' (18,2–28,9m)

### Flow rate:

DT34: 14–45 GPM (52,9–170,3 LPM)

DT54: 14–60 GPM (52,9–227,1 LPM)

DT35: 14–45 GPM (52,9–170,3 LPM)

DT55: 14–60 GPM (52,9–227,1 LPM)

### Precipitation rates:

DT34 & DT35: • Minimum: .46"/hr.

• Maximum: .63"/hr.

DT54 & DT55: • Minimum: .50"/hr.

• Maximum: .72"/hr.

### Inlet:

DT34 & DT35: 1" NPT, BSP or ACME

DT54 & DT55: 1½" NPT, BSP or ACME

### Dimensions:

DT34 & DT35: • Body height: 10"  
• Body diameter: 6½"  
• Pop-up height to nozzle: 3¼"  
• Weight: 2.98 lbs.

DT54 & DT55: • Body height: 11¾"  
• Body diameter: 7½"  
• Pop-up height to nozzle: 3¼"  
• Weight: 3.70 lbs.

### All Models

#### Pilot Valve:

Selectable at 50, 65, 80 and 100 psi

#### Recommended operating pressure range:

65–100 psi (4,5–6,9 Bar)

#### Maximum pressure:

150 psi (10,3 Bar)

#### Minimum pressure:

40 psi (2,8 Bar)

#### Electric Valve-In-Head Solenoid:

24 V ac, 50/60 Hz

Inrush: 60 Hz, 0.30 Amps

Holding: 60 Hz, 0.20 Amps

#### Trajectory:

25°, 15°

#### Check-O-Matic:

Maintains 37' (11,2m) of elevation

**NEW**  
Available in  
Spring 2007



## Features and Benefits

### All models:

#### Dual Trajectory Adjustment of the main nozzle—25° or 15°

- A Toro patented exclusive, the selectable trajectory feature allows you to adjust the main nozzle angle to 25° or 15° quickly and easily with no additional parts required. Simply rotate the nozzle housing to select the angle you desire. The standard 25° angle provides the greatest distance of throw while the lower 15° angle helps fight the wind and throws below low hanging obstructions like tree branches.

#### Conversion Assemblies

- Upgrade your existing Toro Golf Sprinklers with a full line of DT Series conversions. Enjoy all the benefits of these existing new sprinklers by easily and economically dropping these conversions into your existing Toro sprinkler bodies.

#### Durability, Reliability and Serviceability

- Indestructible stainless steel valve seat eliminates body damage from rocks and debris in the system.
- Slow closing piston valve. For over 40 years Toro's slow closing piston valve has eliminated pressure surges that can cause damage to the piping.
- Selectable pilot valve allows the user to identify, select and lock the pressure setting they desire.
- Removable rock screen from the top of the sprinkler allows you to flush the piping system quickly and thoroughly without worry of debris contamination.
- With fewer and more economical service parts, the DT Series will provide years of trouble free performance and a lower long term cost of ownership.

### DT35/DT55 models:

#### A Large Nozzle Selection provides precise application

- From the main-less configuration for short radius applications to 100' radius requirements, we've got you covered with the largest nozzle selection in the industry.
- A wide assortment of back nozzles water directly behind the sprinklers for those areas other sprinklers neglect.
- All nozzles are color coded for easy flow and radius identification and thread directly in from the front so no additional disassembly is required
- An optional radius reduction screw allows for fine tuning the radius to exactly the distance you need.

#### Arc Adjustment—40°–330° and true full-circle in one

- A full- and part-circle drive in one allows you to fine tune the watering area from 40° 330° and a true 360° unidirectional full circle. Use this drive everywhere on the course for maximum flexibility.

### DT34/DT54 models:

#### Constant Velocity Full-circle Drive

- The constant velocity drive is a time proven water lubricated, full circle, planetary gear drive that utilizes a variable stator design to provide 3 minute rotation times for a complete full circle revolution. This consistency ensures complete coverage around the sprinkler every time you water.

#### A Large Nozzle Selection provides precise application

- The largest nozzle selection in the industry. These color coded threaded nozzles can be easily identified and removed for servicing or replacement with no additional disassembly required

# DT34/DT54 Series & DT35/DT55 Series



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## DT34 Features

- Nozzle variations: seven (31, 32, 33, 34, 35, 36, 37)
- Three opposing nozzles, rotating stream pattern
- Stator variations: 2
- Apex at 65 psi:
  - 31 nozzle: 11' @ 33'
  - 32 nozzle: 12' @ 34'
  - 33 nozzle: 13' @ 35'
  - 34 nozzle: 14' @ 39'
  - 35 nozzle: 15' @ 43'
  - 36 nozzle: 17' @ 45'
  - 37 nozzle: 18' @ 46'

## DT54 Features

- Nozzle variations: nine (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Three opposing nozzles, rotating stream pattern
- Stator variations: 3
- Apex at 65 psi:
  - 51 nozzle: 13' @ 40'
  - 52 nozzle: 11' @ 34'
  - 53 nozzle: 13' @ 37'
  - 54 nozzle: 15' @ 41'
  - 55 nozzle: 15' @ 45'
- Apex at 80 psi:
  - 56 nozzle: 18' @ 47'
  - 57 nozzle: 19' @ 45'
  - 58 nozzle: 18' @ 45'
  - 59 nozzle: 21' @ 49'

## DT35 Features

- Nozzle variations: seven (31, 32, 33, 34, 35, 36 and 37)
- Three in-line nozzles, rotating stream pattern
- Optional back nozzle
- Stator variations: 2
- Apex at 65 psi, 25°:
  - 31 nozzle: 11' @ 33'
  - 32 nozzle: 12' @ 34'
  - 33 nozzle: 13' @ 35'
  - 34 nozzle: 14' @ 39'
  - 35 nozzle: 15' @ 43'
  - 36 nozzle: 17' @ 45'
  - 37 nozzle: 18' @ 46'

## DT55 Features

- Nozzle variations: nine (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Three in-line nozzles, rotating stream pattern
- Optional back nozzle
- Stator variations: 3
- Apex at 65 psi:
  - 51 nozzle: 13' @ 40'
  - 52 nozzle: 11' @ 34'
  - 53 nozzle: 13' @ 37'
  - 54 nozzle: 15' @ 41'
  - 55 nozzle: 15' @ 45'
- Apex at 80 psi:
  - 56 nozzle: 18' @ 47'
  - 57 nozzle: 19' @ 45'
  - 58 nozzle: 18' @ 45'
  - 59 nozzle: 21' @ 49'

### Specifying Information—DT34 & DT54

DTX4 X X XX X X

Body Inlet	Arc	Body Threads	Valve Type	Nozzle	Pressure Regulation*	Optional
3—1" 5—1½"	4—Full-circle	0—NPT 4—ACME 5—BSP	1—Normally Open Hydraulic 2—Check-O-Matic 6—Electric	<b>DT34</b>	6—65 psi (4,5 Bar) 8—80 psi (5,5 Bar)	E—Effluent Model DL—Decoder Model N—Nickel-plated Model
				31 32 33 34 35 36 37		
				<b>DT54</b>		
				51 52 53 54 55 56 57 58 59		

**Example:** When specifying an DT34 Series Sprinkler with NPT threads, #34 nozzle, an electric valve and pressure regulation at 65 psi (4,5 Bar), you would specify: **DT34-06-346**

\* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi. Note: Not all models available.

### Specifying Information—DT35 & DT55

DTX5 X X XX X X

Body Inlet	Arc	Body Threads	Valve Type	Nozzle	Pressure Regulation*	Optional
3—1" 5—1½"	5—Part-circle and Full-circle In One	0—NPT 4—ACME 5—BSP	1—Normally Open Hydraulic 2—Check-O-Matic 6—Electric	<b>DT35</b>	6—65 psi (4,5 Bar) 8—80 psi (5,5 Bar)	E—Effluent Model DL—Decoder Model N—Nickel-plated Model
				31 32 33 34 35 36 37		
				<b>DT55</b>		
				51 52 53 54 55 56 57 58 59		

**Example:** When specifying an DT35 Series Sprinkler with NPT threads, #34 nozzle, an electric valve and pressure regulation at 65 psi (4,5 Bar), you would specify: **DT35-06-346**

\* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi. Note: Not all models available.