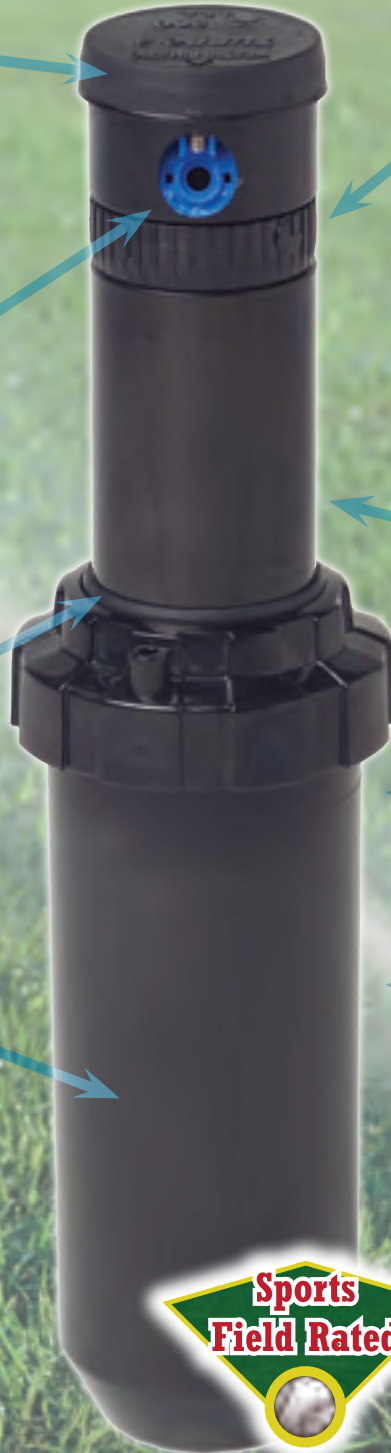


# TURBO TOP 10

Consider 10 Reasons why the Turbo is the Smart Solution!



## 1 DOUBLE-THICK RUBBER COVER

- The beefiest in the business to protect the head and the customer
- Visible “+” and “-” arrows guide arc adjustment
- Surrounded by a ribbed screw-on cover for a sure grip in wet conditions

## 3 WIDEST RANGE RACK

- 14 nozzles in one tree, 27 – 61'
- Includes 4 SmartAngle (low angle) and 2 Flow+ nozzles to provide 1" rotor range in a 3/4" body
- Factory pre-installed nozzles available
- Sonic weld

## 5 PRESSURE-ACTIVATED WIPER SEAL

- Superior material and size provides extreme reliability in sandy conditions
- 10-year rated seal exceeds 6000 cycles of performance
- Pops up and seals below 20 psi

## 7 READY-CHECK™ CHECK VALVE

- There when you need it at no added cost
- Holds up to 12' of elevation to prevent low head drainage

## 9 FIVE YEAR WARRANTY “NO QUESTIONS ASKED”

- Return rate of less than 2%
- 20 years of proven performance

## 2 TOTALLY TOOL-LESS ARC ADJUSTMENT

- Arc adjustment ring has visible arc indicators for easiest “dry” adjustment – just grip the ring and dial it in!
- Wet set “point and shoot” adjustment without a tool is the fastest in the business. Just hold the ring and turn the top.
- Ratchets like a spray head to align arc. No channel locks required.
- Factory pre-set at 180°
- Vandal-resistant slip clutch and strong sonic weld prevent breakage as is common with other brands

## 4 HI TECH, SELF-CLEANING MICRO FILTER

- 20 micron filter originally developed for the medical industry protects reversing mechanism from dirt and debris

## 6 HEAVY-GAUGE SPRING FOR POSITIVE RETRACTION

- 20 lbs. of force vs. 10 lbs. for the competition

## 8 100% WATER TESTED

- Verifies rotation, rotation speed and reversing action on every sprinkler

## 10 AMAZING VALUE FOR THE PRICE!

- Commercial sprinkler performance, strength and value for a residential price
- Try the entire Turbo Series and experience the Turbo difference!





### T3 / T35 – TURBO ROTARY SPRINKLERS



#### FEATURES

- 5 year warranty and 100% water tested
- Thick, vandal resistant rubber cover is standard; visible arrows indicate + or – arc adjustment
- Radius adjustment screw decreases radius up to 25%
- “Punch-thru” cover to protect nozzle retaining screw from debris
- Easy-grip threaded cover
- 14 field-changeable nozzles including SmartAngle (low angle) and Flow+ all on one tree
- Safety clutch for vandal protection; ratchets like a sprayhead
- Part circle models adjust from 40 – 360°; no tools required
- Expanded “arc dwell” on part circle models provides full coverage along borders
- Pressure activated wiper seal and strong stainless steel spring on pop-up models to ensure positive retraction
- High-tech micro filter protects reversing mechanism
- Streamlined large flow tube to minimize pressure loss through sprinkler
- Impeller flow regulator automatically matches rotation to nozzle selection
- Smooth impeller gear drive for highly uniform watering
- Large area, basket type, removable strainer for debris protection
- Standard Ready Check™ check valve on T3 and T35 models is easily reversed in the field to a “check” position. Check valve holds back 12” (3,7 m/hd) of elevated water.

#### CONSTRUCTION

- High-strength non-corrosive plastics and metals used throughout sprinkler
- Sealed, lubricant packed drive housing provides long life performance

#### OPTIONS (FACTORY INSTALLED)

- Non-potable cover (add “N” suffix)
- Vandal cover lock (add “XV” prefix)
- Check valve (add “CV” prefix)

#### ACCESSORIES

- T3ST Nozzle install collar

#### MODEL SPECIFICATION

|               |                                       |
|---------------|---------------------------------------|
| T3, T35       | Pop-up adjustable arc                 |
| T3-36, T35-36 | Pop-up full circle                    |
| T3S           | Adjustable arc shrub model            |
| T3SS          | Stainless steel pop-up adjustable arc |
| T3-36SS       | Stainless steel pop-up full circle    |

#### T3 DIMENSIONS

Height (closed): 7 5/8" (19,4 cm)  
 Pop-up Height: 4" (10,2 cm)  
 Inlet: 3/4" IPS



#### T35 DIMENSIONS

Height (closed): 8 13/16" (22,4 cm)  
 Pop-up Height: 4" (10,2 cm)  
 Inlet: 1" IPS (specify ISO for international)  
 Exposed Top Diameter: 1 3/4" (4,4 cm)

#### T3S SHRUB DIMENSIONS

Height: 8 3/16" (20,8 cm) Inlet: 3/4" IPS



### T3 / T35 PERFORMANCE

| Nozzle                                     | STANDARD        |               |             |                  |                    | METRIC          |             |               |                  |                    |
|--|-----------------|---------------|-------------|------------------|--------------------|-----------------|-------------|---------------|------------------|--------------------|
|  | Pressure<br>psi | Radius<br>ft. | Flow<br>gpm | Precip.<br>in/hr | Precip.<br>in/hr ▲ | Pressure<br>bar | Radius<br>m | Flow<br>m³/hr | Precip.<br>mm/hr | Precip.<br>mm/hr ▲ |
| <b>STANDARD ANGLE 26° TRAJECTORY</b>       |                 |               |             |                  |                    |                 |             |               |                  |                    |
| 1  | 30              | 28            | 0.7         | 0.17             | 0.20               | 2,1             | 8,5         | 0,16          | 4                | 5                  |
|  | 40              | 32            | 0.8         | 0.15             | 0.17               | 2,8             | 9,8         | 0,18          | 4                | 4                  |
|  | 50              | 33            | 0.9         | 0.16             | 0.18               | 3,4             | 10,1        | 0,20          | 4                | 5                  |
|  | 60              | 33            | 1.0         | 0.18             | 0.20               | 4,1             | 10,1        | 0,23          | 4                | 5                  |
| 1.5  | 30              | 31            | 1.0         | 0.20             | 0.23               | 2,1             | 9,4         | 0,23          | 5                | 6                  |
|  | 40              | 35            | 1.4         | 0.19             | 0.22               | 2,8             | 10,7        | 0,27          | 5                | 6                  |
|  | 50              | 36            | 1.6         | 0.24             | 0.27               | 3,4             | 11,0        | 0,36          | 6                | 7                  |
|  | 60              | 36            | 1.8         | 0.27             | 0.31               | 4,1             | 11,0        | 0,41          | 7                | 8                  |
| 2  | 30              | 28            | 1.2         | 0.29             | 0.34               | 2,1             | 8,5         | 0,27          | 7                | 9                  |
|  | 40              | 35            | 1.4         | 0.22             | 0.25               | 2,8             | 10,7        | 0,32          | 6                | 6                  |
|  | 50              | 35            | 1.9         | 0.30             | 0.34               | 3,4             | 10,7        | 0,43          | 8                | 9                  |
|  | 60              | 35            | 2.3         | 0.36             | 0.42               | 4,1             | 10,7        | 0,52          | 9                | 11                 |
| 3  | 30              | 30            | 1.7         | 0.36             | 0.42               | 2,1             | 9,1         | 0,39          | 9                | 11                 |
|  | 40              | 38            | 2.0         | 0.27             | 0.31               | 2,8             | 11,6        | 0,45          | 7                | 8                  |
|  | 50              | 39            | 2.4         | 0.30             | 0.35               | 3,4             | 11,9        | 0,55          | 8                | 9                  |
|  | 60              | 41            | 2.8         | 0.32             | 0.37               | 4,1             | 12,6        | 0,64          | 8                | 9                  |
| 3.5  | 40              | 41            | 3.5         | 0.40             | 0.46               | 2,8             | 12,5        | 0,79          | 10               | 12                 |
|  | 50              | 42            | 3.7         | 0.40             | 0.47               | 3,4             | 12,8        | 0,84          | 10               | 12                 |
|  | 60              | 43            | 4.3         | 0.45             | 0.52               | 4,1             | 13,1        | 0,98          | 11               | 13                 |
| 4  | 40              | 44            | 4.0         | 0.40             | 0.46               | 2,8             | 13,4        | 0,91          | 10               | 12                 |
|  | 50              | 45            | 4.3         | 0.41             | 0.47               | 3,4             | 13,7        | 0,98          | 10               | 12                 |
|  | 60              | 46            | 5.0         | 0.45             | 0.53               | 4,1             | 14,0        | 1,14          | 11               | 13                 |
| 6  | 40              | 45            | 5.5         | 0.52             | 0.60               | 2,8             | 13,7        | 1,25          | 13               | 15                 |
|  | 50              | 46            | 6.3         | 0.57             | 0.66               | 3,4             | 14,0        | 1,43          | 15               | 17                 |
|  | 60              | 47            | 6.9         | 0.60             | 0.69               | 4,1             | 14,3        | 1,57          | 15               | 18                 |
| 8  | 40              | 45            | 6.3         | 0.60             | 0.69               | 2,8             | 13,7        | 1,43          | 15               | 18                 |
|  | 50              | 47            | 7.5         | 0.65             | 0.75               | 3,4             | 14,3        | 1,70          | 17               | 19                 |
|  | 60              | 51            | 8.1         | 0.60             | 0.69               | 4,1             | 15,5        | 1,84          | 15               | 18                 |
| <b>SmartAngle 13° LOW ANGLE TRAJECTORY</b> |                 |               |             |                  |                    |                 |             |               |                  |                    |
| 2.0LA                                      | 30              | 29            | 1.6         | 0.37             | 0.42               | 2,1             | 8,8         | 0,36          | 9                | 11                 |
|  | 40              | 33            | 1.9         | 0.34             | 0.39               | 2,8             | 10,1        | 0,43          | 9                | 10                 |
|  | 50              | 34            | 2.1         | 0.35             | 0.40               | 3,4             | 10,4        | 0,48          | 9                | 10                 |
| 2.5LA                                      | 30              | 31            | 2.1         | 0.42             | 0.49               | 2,1             | 9,4         | 0,48          | 11               | 12                 |
|  | 40              | 35            | 2.6         | 0.41             | 0.47               | 2,8             | 10,7        | 0,59          | 10               | 12                 |
|  | 50              | 36            | 2.9         | 0.43             | 0.50               | 3,4             | 11,0        | 0,66          | 11               | 13                 |
| 3.5LA                                      | 30              | 31            | 2.7         | 0.54             | 0.62               | 2,1             | 9,4         | 0,61          | 14               | 16                 |
|  | 40              | 35            | 3.2         | 0.50             | 0.58               | 2,8             | 10,7        | 0,73          | 13               | 15                 |
|  | 50              | 37            | 3.5         | 0.49             | 0.57               | 3,4             | 11,3        | 0,79          | 13               | 14                 |
| 4.5LA                                      | 30              | 33            | 3.0         | 0.53             | 0.61               | 2,1             | 10,1        | 0,68          | 13               | 16                 |
|  | 40              | 37            | 3.4         | 0.48             | 0.55               | 2,8             | 11,3        | 0,77          | 12               | 14                 |
|  | 50              | 37            | 4.1         | 0.58             | 0.67               | 3,4             | 11,3        | 0,93          | 15               | 17                 |
| <b>FLOW+ NOZZLES 26° TRAJECTORY</b>        |                 |               |             |                  |                    |                 |             |               |                  |                    |
| 9  | 50              | 50            | 9.5         | 0.73             | 0.84               | 3,4             | 15,2        | 2,16          | 19               | 21                 |
|  | 60              | 54            | 10.8        | 0.71             | 0.82               | 4,1             | 16,5        | 2,45          | 18               | 21                 |
|  | 70              | 55            | 11.7        | 0.74             | 0.86               | 4,8             | 16,8        | 2,66          | 19               | 22                 |
| 13   | 50              | 57            | 12.4        | 0.73             | 0.85               | 3,4             | 17,4        | 2,82          | 19               | 22                 |
|  | 60              | 59            | 13.8        | 0.76             | 0.88               | 4,1             | 18,0        | 3,13          | 19               | 22                 |
|  | 70              | 61            | 14.9        | 0.77             | 0.89               | 4,8             | 18,6        | 3,38          | 20               | 23                 |

■ Square spacing based on 50% of diameter

▲ Triangular spacing based on 50% of diameter

Note: All precipitation rates are calculated for 180° operation.

Divide by 2 for full circle precipitation rates

#### OPERATING RANGE

|                    | STANDARD                             | METRIC                        |
|--------------------|--------------------------------------|-------------------------------|
| Precipitation Rate | Approx. 0.4 – 0.6" per hour @ 50 psi | 10 – 15 mm per hour @ 3,5 bar |
| Radius             | 23 – 61'                             | 7,0 – 18,6 m                  |
| Pressure           | 20 – 70 psi                          | 1,4 – 4,8 bar                 |
| Flow               | 0.5 – 14.9 gpm                       | 0,11 – 3,39 m³/h              |