

# RFS 50



Designed for smaller areas and is available with a wide selection of nozzles that bring flexibility to system design.

- Right position start – rotor rotates counterclockwise from fixed right start position.
- Time proven patented reversing mechanism – Assures continuous reverse and return...over a 20 year history.
- Ratcheting riser – allows for easy adjustment of your right starting position with a simple turn of the riser.
- Rubber cover – seals out dirt and increases product durability.
- Wide selection of nozzles – provides flexibility in system design.
- Optional check valve – prevents low head drainage.



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## RPS50

The RPS50 is a gear-driven, rotary sprinkler, capable of covering an area of 18' to 36' (5,5 to 11 m) radius at nozzle pressure of 30 to 50 PSI (2,1 to 3,4 bar) with a discharge rate of .8 to 3.3 GPM (2,8 to 12,5 LPM).

The RPS50 is supplied with five (5) numerically coded interchangeable nozzles. Sprinkler nozzle trajectory is 26°. The sprinkler has a stainless steel radius adjustment screw and has arc adjustment from 40° to 360°.

### Easy Arc Setting

Arc Selection 40° to 360°  
Adjust From Right Start



### Models

RPS50 RPS® 50 Rotor

Other options add to part number:

-CV Check Valve

## Specifications

- Inlet: 1/2" Threaded NPT
- Arc Adjustment Range: 40° to 360°
- Flow range: .8 – 3.3 GPM
- Pressure Rating: 30 - 70 PSI
- Precipitation Rate: .26 to .60 in./hr. (Depending on Spacing & Nozzle Used)
- Overall Height (Popped Down): 6"
- Recommended Spacing: 17' to 34'
- Radius: 18' to 36'
- Nozzle Trajectory: 25°
- Riser Height: 4"

### How to Specify:

| Model Number | Description |
|--------------|-------------|
| RPS50        | -RCW        |

## Performance Data

| NOZZLE                | PRESSURE |     |      | RADIUS |      | FLOW RATE |      |                   | PRECIPITATION |           |    |    |
|-----------------------|----------|-----|------|--------|------|-----------|------|-------------------|---------------|-----------|----|----|
|                       | PSI      | kPa | Bars | Ft.    | M.   | GPM       | L/M  | M <sup>3</sup> /H | ■ in/hr ▲     | ■ mm/hr ▲ |    |    |
| #0.75                 | 30       | 207 | 2,07 | 18'    | 5,5  | 0.8       | 2,8  | 0,17              | .45           | .51       | 11 | 13 |
|                       | 40       | 276 | 2,76 | 19'    | 5,8  | 0.8       | 3,0  | 0,18              | .43           | .49       | 11 | 13 |
|                       | 50       | 345 | 3,45 | 20'    | 6,1  | 0.9       | 3,4  | 0,20              | .43           | .50       | 11 | 13 |
| #1.0                  | 30       | 207 | 2,07 | 26'    | 7,9  | 0.9       | 3,4  | 0,20              | .26           | .30       | 7  | 8  |
|                       | 40       | 276 | 2,76 | 27'    | 8,2  | 1.2       | 4,5  | 0,27              | .32           | .37       | 8  | 9  |
|                       | 50       | 345 | 3,45 | 27'    | 8,2  | 1.3       | 4,9  | 0,30              | .34           | .40       | 9  | 10 |
| #1.5<br>Pre-installed | 30       | 207 | 2,07 | 27'    | 8,2  | 1.5       | 5,7  | 0,35              | .34           | .40       | 9  | 10 |
|                       | 40       | 276 | 2,76 | 27'    | 8,2  | 1.8       | 6,8  | 0,41              | .32           | .37       | 8  | 9  |
|                       | 50       | 345 | 3,45 | 28'    | 8,5  | 2.0       | 7,6  | 0,46              | .34           | .39       | 9  | 10 |
| #2.0                  | 30       | 207 | 2,07 | 29'    | 8,8  | 2.0       | 7,6  | 0,46              | .39           | .44       | 10 | 11 |
|                       | 40       | 276 | 2,76 | 30'    | 9,1  | 2.3       | 8,7  | 0,53              | .42           | .49       | 11 | 12 |
|                       | 50       | 345 | 3,45 | 31'    | 9,4  | 2.7       | 10,2 | 0,62              | .42           | .49       | 10 | 12 |
| #3.0                  | 30       | 207 | 2,07 | 32'    | 9,8  | 3.0       | 11,4 | 0,69              | .48           | .55       | 12 | 14 |
|                       | 40       | 276 | 2,76 | 33'    | 10,1 | 3.4       | 12,9 | 0,78              | .45           | .51       | 11 | 13 |
|                       | 50       | 345 | 3,45 | 33'    | 10,1 | 3.8       | 14,4 | 0,87              | .52           | .60       | 13 | 15 |

\*All precipitation rates calculated for 180° operation. For the precipitation rate for a 360° sprinkler, divide by 2.