

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 17' to 30' (5.2 to 9.1 M) radius at nozzle pressure of 30 to 50 PSI (2.1 to 3.4 bar) with a discharge rate of .75 to 3.3 GPM (2.84 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: .75 – 3.3 GPM
- Pressure Rating: 20 - 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 33'
- Nozzle Trajectory: 25°
- Riser Height: 4"

How to Specify:

Model Number	Description
RPS50	-RCW

Performance Data

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr		PRECIP mm/hr	
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H	■	▲	■	▲
#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 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.