

# RPS 75™ ROTOR SERIES



The RPS 75® Series of rotors are designed to fulfill a multitude of residential and commercial applications.

## Features

- **Right Position Start** – Rotor rotates counterclockwise from fixed right start position.
- **Includes 5 Free Check Valve Assemblies Per Box.**
- **Top Adjustment** – Adjusts from right start.
- **Full and Part Circle Rotation** – Provides a full range of adjustment from 40° to 360°.
- **Non-flushing Wiper Seal** – Reduces leaks caused by debris trapped under seal.
- **3/4" (1,9 cm) Inlet** – Replaces all standard rotors.
- **Ideal for Low Flow Applications.**
- **Rubber Cover** – Seals out dirt and increases durability.
- **Wide Selection of Nozzles** – Including standard and low angle, provides flexibility in system design.
- **Universal Riser Assembly** – Fits into existing Hunter® PGP® and PGP® Ultra cans



**K-Rain Manufacturing Corp.**  
1640 Australian Avenue  
Riviera Beach, FL 33404 USA  
561.844.1002  
FAX: 561.842.9493

1.800.735.7246 | [www.krain.com](http://www.krain.com)

## RPS® 75 Rotor Series

The reliable and durable design of the RPS® 75 has unequalled value in the market today. Building on a reputation of trouble-free performance year after year, K-Rain models satisfy all specific irrigation requirements.

The Continuous 360° is the perfect fit for a central location in an RPS® 75 based irrigation system. With rotors that are not continuous 360°, there is a portion of the pattern which receives too much water distribution, resulting in uneven coverage and damaging the health of the lawn. The RPS® 75-360° solves this problem.

The RPS® 75-6INCH rotor solves the problem of deep thatch, often occurring in St. Augustine and other types of turf grass. The 6" pop-up exceeds the height of the grass and the spray is not inhibited, resulting in even water distribution.

## Customization

Easily customize any of the RPS® 75 rotors to promote your business. Contact your K-Rain authorized distributor or visit [www.krain.com/custom-rotor-program](http://www.krain.com/custom-rotor-program) for all of the details.



## Specifications

- Inlet: 3/4" (1,9 cm) Threaded NPT
- Arc Adjustment Range: 40° – 360°
- Flow Range: .75 – 8.2 GPM
- Pressure Rating: 30 – 70 PSI
- Precipitation Rate: .16 – 1.01 in/hr (Depending on spacing and nozzle used)
- Retracted Height: 4 in: 7 1/4", 6 in: 7 3/8"
- Riser Height: 4 in: 4 3/8", 6 in: 6 3/8"
- Shrub Height: 7 1/2"
- Recommended Spacing: 25' – 45'
- Radius: 22' – 51'
- Nozzle Trajectory: 26°
- Low Angle Nozzle Trajectory: 11°
- 8 Standard and 4 Low Angle Nozzles Included

## Performance Data

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr mm/hr			
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M³/H	■	▲	■	▲
#0.75	30	206	2,1	29	8,8	0.7	2,6	0,16	0.16	0.19	4	5
	40	275	2,8	30	9,1	0.8	3,0	0,18	0.17	0.20	4	5
	50	344	3,4	30	9,1	0.9	3,4	0,20	0.19	0.22	5	6
	60	413	4,1	31	9,4	1.0	3,8	0,23	0.20	0.23	5	6
#1.0	30	206	2,1	30	9,1	0.9	3,4	0,20	0.19	0.22	5	6
	40	275	2,8	31	9,4	1.0	3,8	0,23	0.20	0.23	5	6
	50	344	3,4	31	9,4	1.2	4,5	0,27	0.24	0.28	6	7
	60	413	4,1	32	9,8	1.3	4,9	0,30	0.24	0.28	6	7
#1.5	30	206	2,1	32	9,8	1.2	4,5	0,27	0.23	0.26	5	7
	40	275	2,8	33	10,1	1.4	5,3	0,32	0.25	0.29	6	7
	50	344	3,4	34	10,4	1.6	6,1	0,36	0.27	0.31	7	8
	60	413	4,1	34	10,4	1.8	6,8	0,41	0.30	0.35	8	9
#2.0	30	206	2,1	34	10,4	1.6	6,1	0,36	0.27	0.31	7	8
	40	275	2,8	36	11,0	1.8	6,8	0,41	0.27	0.31	7	8
	50	344	3,4	38	11,6	2.0	7,6	0,45	0.27	0.31	7	8
	60	413	4,1	38	11,6	2.2	8,3	0,50	0.29	0.34	7	9
#3.0 Pre-installed	30	206	2,1	36	11,0	2.0	7,6	0,45	0.30	0.34	8	9
	40	275	2,8	38	11,6	2.4	9,1	0,55	0.32	0.37	8	9
	50	344	3,4	40	12,2	2.7	10,2	0,61	0.32	0.38	8	10
	60	413	4,1	40	12,2	2.9	11,0	0,66	0.35	0.40	9	10
#4.0	30	206	2,1	36	11,0	2.6	9,8	0,59	0.39	0.45	10	11
	40	275	2,8	40	12,2	3.0	11,4	0,68	0.36	0.42	9	11
	50	344	3,4	42	12,8	3.4	12,9	0,77	0.37	0.43	9	11
	60	413	4,1	42	12,8	3.7	14,0	0,84	0.40	0.47	10	12
#6.0	40	275	2,8	38	11,6	4.2	15,9	0,91	0.56	0.65	14	17
	50	344	3,4	43	13,1	4.9	18,5	1,11	0.51	0.59	13	15
	60	413	4,1	46	14,0	5.5	20,8	1,25	0.50	0.58	13	15
	70	482	4,8	47	14,3	6.0	22,7	1,36	0.52	0.60	13	15
#8.0	40	275	2,8	45	13,7	6.0	22,7	1,36	0.57	0.66	14	17
	50	344	3,4	48	14,6	6.8	25,7	1,54	0.57	0.66	14	17
	60	413	4,1	49	14,9	7.6	28,8	1,73	0.61	0.70	15	18
	70	482	4,8	51	15,5	8.2	31,0	1,86	0.61	0.70	15	18

## Low Angle Performance Data

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr mm/hr			
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M³/H	■	▲	■	▲
#1.0	30	207	2,1	22	6,7	1.2	4,5	0,34	0.48	0.55	12	14
	40	275	2,8	24	7,3	1.7	6,4	0,39	0.57	0.66	14	17
	50	344	3,4	26	7,9	1.8	6,8	0,41	0.51	0.59	13	15
	60	413	4,1	28	8,5	2.0	7,6	0,46	0.49	0.57	12	14
#3.0	30	207	2,1	29	8,8	3.0	11,4	0,68	0.69	0.79	18	20
	40	275	2,8	32	9,8	3.1	11,7	0,71	0.58	0.67	15	17
	50	344	3,4	35	10,7	3.5	13,2	0,80	0.55	0.64	14	16
	60	413	4,1	37	11,3	3.8	14,4	0,87	0.53	0.62	13	16
#4.0	30	207	2,1	31	9,4	3.4	12,9	0,78	0.68	0.79	17	20
	40	275	2,8	34	10,4	3.9	14,8	0,89	0.65	0.75	17	19
	50	344	3,4	37	11,3	4.4	16,7	1,00	0.62	0.71	16	18
	60	413	4,1	38	11,6	4.7	17,8	1,07	0.63	0.72	16	18
#6.0	40	275	2,8	38	11,6	6.5	24,6	1,68	0.87	1.00	22	25
	50	344	3,5	40	12,2	7.3	27,6	1,66	0.88	1.01	22	26
	60	413	4,1	42	12,8	8.0	30,3	1,82	0.87	1.01	22	26
	70	482	4,8	44	13,4	8.3	32,6	1,96	0.86	0.99	22	25

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

## Models

- RPS 75** 40° - 360°, 4" riser
- RPS 75-SH** 40° - 360°, 4" riser, shrub head
- RPS 75-SS** 40° - 360°, 4" riser, stainless steel
- RPS 75-360°** Continuous 360°, 4" riser
- RPS 75-360°-SH** Continuous 360°, 4" riser, shrub head
- RPS 75-6INCH** 40° - 360°, 6" riser

### OTHER OPTIONS ADD TO PART NUMBER:

- CV Check Valve
- NN No Nozzle
- RCW Reclaimed Water Use

Example: RPS 75-360-RCW