

MODELS

RPS75	RPS Rotor
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OTHER OPTIONS: ADD TO PART NUMBER

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

RPS75™

The RPS75™ gear drive is designed for basic residential and light commercial applications and is a direct replacement for Hunter® PGP® rotors. The reversing mechanism, a K-Rain patented feature, is the same mechanism used in the Hunter® PGP® (K-Rain currently licenses this patent to Hunter® - U.S. Patent No. 5,417,370 Carl L.C. Kah Jr.). With K-Rain's wide selection of standard and low angle nozzles, the RPS75 provides even water distribution.



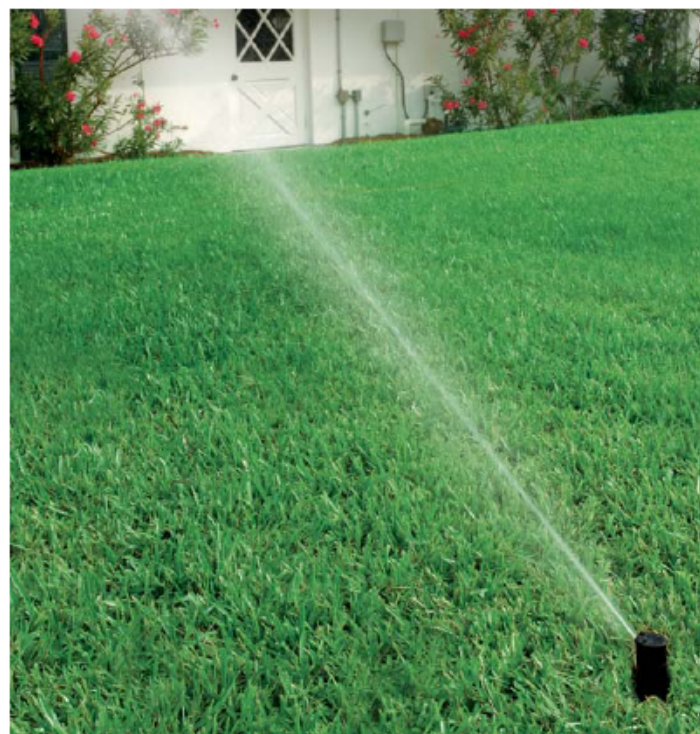
5
YEAR
WARRANTY

FEATURES/BENEFITS

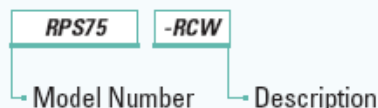
- Direct replacement for Hunter® PGP®.
- Right Position Start—Rotor rotates counterclockwise from fixed right start position.
- Riser fits in existing Hunter® PGP® cans—simply unscrew the existing riser from the PGP® can and replace with the RPS75 riser.
- Top adjustment—no training necessary, the RPS75 has the same adjustment procedure as the Hunter® PGP®.
- 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" Inlet—Replaces all standard rotors.
- Ideal for low flow applications.
- Universal adjustment tool—compatible with existing Hunter® products.
- Rubber Cover—Seals out dirt and increases product durability.
- Wide Selection of Nozzles—Including standard and low angle, provides flexibility in system design.
- Five Year Limited Warranty.

SPECIFICATIONS

- Inlet: 3/4" Threaded NPT
- Arc Adjustment Range: 40° to 360°
- Flow Range: .5 – 8.2 GPM
- Pressure Rating: 30 – 70 PSI
- Precipitation Rate: .12 to 1.16 Inches Per Hour
- Overall Height (Popped Down): 7 3/8"
- Recommended Spacing: 25' to 45'
- Radius: 22' to 51'
- Nozzle Trajectory: 25°
- Low Angle Nozzle Trajectory: 11°
- 8 Standard and 4 Low Angle Nozzles Included
- Riser Height: 4"



HOW TO SPECIFY



EASY ARC SETTING



- Arc Selection 40° to 360°

Adjust From Right Start

RPS75 ■ PERFORMANCE DATA

PERFORMANCE			
NOZZLE	PRESSURE PSI	RADIUS FT.	FLOW GPM
#3 PRE-INSTALLED	30	36'	2.0
	40	38'	2.4
	50	40'	2.7
	60	40'	2.9
#0.5	30	28'	.5
	40	29'	.6
	50	29'	.7
	60	30'	.8
#0.75	30	29'	.7
	40	30'	.8
	50	30'	.9
	60	31'	1.0
#1	30	30'	0.9
	40	31'	1.0
	50	31'	1.2
	60	32'	1.3
#2	30	32'	1.2
	40	33'	1.4
	50	34'	1.6
	60	34'	1.8
#4	30	36'	2.6
	40	40'	3.0
	50	42'	3.4
	60	42'	3.7
#6	30	38'	4.2
	40	43'	4.9
	50	46'	5.5
	60	47'	6.0
#8	40	45'	6.0
	50	48'	6.8
	60	49'	7.6
	70	51'	8.2

METRIC					
NOZZLE	PRESSURE		RADIUS METERS	FLOW RATE	
	kPa	BARS		L/M	M ³ /H
#3 PRE-INSTALLED	206	2.1	11.0	7.6	.45
	275	2.8	11.6	9.1	.55
	344	3.4	12.2	10.2	.61
	413	4.1	12.2	11.0	.66
#0.5	206	2.1	8.5	1.9	.11
	275	2.8	8.8	2.3	.14
	344	3.4	8.8	2.7	.16
	413	4.1	9.1	3.0	.18
#0.75	206	2.1	8.8	2.6	.16
	275	2.8	9.1	3.0	.18
	344	3.4	9.1	3.4	.20
	413	4.1	9.4	3.8	.23
#1	206	2.1	9.1	3.4	.20
	275	2.8	9.4	3.8	.23
	344	3.4	9.4	4.5	.27
	413	4.1	9.8	4.9	.30
#2	206	2.1	9.8	4.5	.27
	275	2.8	10.1	5.3	.32
	344	3.4	10.4	6.1	.36
	413	4.1	10.4	6.8	.41
#4	206	2.1	11.0	9.8	.59
	275	2.8	12.2	11.4	.68
	344	3.4	12.8	12.9	.77
	413	4.1	12.8	14.0	.84
#6	206	2.1	11.6	15.9	.91
	275	2.8	13.1	18.5	1.11
	344	3.4	14.0	20.8	1.25
	413	4.1	14.3	22.7	1.36
#8	275	2.8	13.7	22.7	1.36
	344	3.4	14.6	25.7	1.54
	413	4.1	14.9	28.8	1.73
	482	4.8	15.5	31.0	1.86

LOW ANGLE DATA			
NOZZLE	PRESSURE PSI	RADIUS FT.	FLOW GPM
#1	30	22'	1.2
	40	24'	1.7
	50	26'	1.8
	60	28'	2.0
#3	30	29'	3.0
	40	32'	3.1
	50	35'	3.5
	60	37'	3.8
#4	30	31'	3.4
	40	34'	3.9
	50	37'	4.4
	60	38'	4.7
#6	40	38'	6.5
	50	40'	7.3
	60	42'	8.0
	70	44'	8.6

METRIC					
NOZZLE	PRESSURE		RADIUS METERS	FLOW RATE	
	kPa	BARS		L/M	M ³ /H
#1	207	2.0	6.7	4.5	.34
	275	3.0	7.3	6.4	.39
	344	3.5	7.9	6.8	.41
	413	4.0	8.5	7.6	.46
#3	207	2.0	8.8	11.4	.68
	275	3.0	9.8	11.7	.71
	344	3.5	10.7	13.2	.80
	413	4.0	11.3	14.4	.87
#4	207	2.0	9.4	12.9	.78
	275	3.0	10.4	14.8	.89
	344	3.5	11.3	16.7	1.00
	413	4.0	11.6	17.8	1.07
#6	275	3.0	11.6	24.6	1.68
	344	3.5	12.2	27.6	1.66
	413	4.0	12.8	30.3	1.82
	482	5.0	13.4	32.6	1.96

Data represents test results in zero wind. Adjust for local conditions. Radius may be reduced with nozzle retention screw.

ROTORs

SPRAYS & NOZZLES

ELECTRIC VALVES

CONTROLLERS

INDEX VALVES / RCW

CHARTS