

**RPS<sup>®</sup> 75i** with

 Intelligent Flow  
Technology<sup>®</sup>



Patented Flow Shut-off Provides Intelligent Flow Technology<sup>®</sup>

- Reduce Distance by Reducing Flow Rate
- Save Time on Every Project — New or Retrofit
- Rugged RPS Family Construction
- Conserves Water
- Superior Uniformity
- Fewer Zones Required
- Improved Hydraulics



**K**  
**RAIN<sup>®</sup>**

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EPA  
**WaterSense**  
PARTNER



# Intelligent Flow Technology®

Intelligent Flow Technology® is the newest innovation in gear-drive rotors for the irrigation industry. This patented technology addresses the important concepts of water conservation, landscape and irrigation system design flexibility and contractor time-management. The combination of advanced engineering and easy-to-use top adjustments makes the RPS® 75i the right rotor for every landscape.

K-Rain's Intelligent Flow Technology® allows the reduction of distance while simultaneously and proportionately reducing the flow rate up to 50%! This is accomplished by a simple turn of the Flow Control to either increase or decrease distance and flow. Contractors stay dry. Landscapes are evenly watered. Water is saved. Systems perform better.

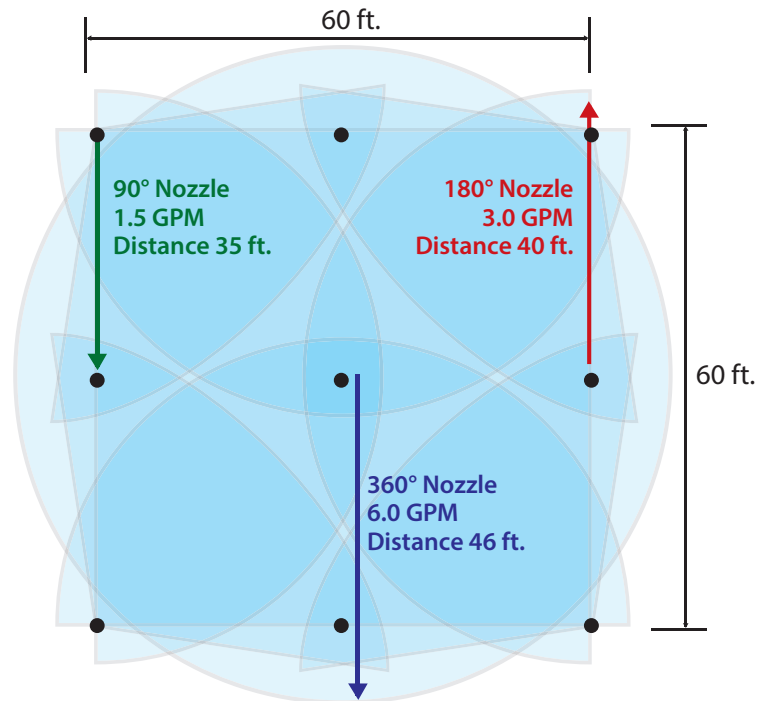
Dry, easy and accurate distance control without the need to change nozzles or employ a break-up screw! In addition, experience water savings of up to 30% or more! The RPS 75i—the right rotor for every landscape!



## Flow Rate Reduces Simultaneously and Proportionately with Distance Reduction

### Before Intelligent Flow Technology®

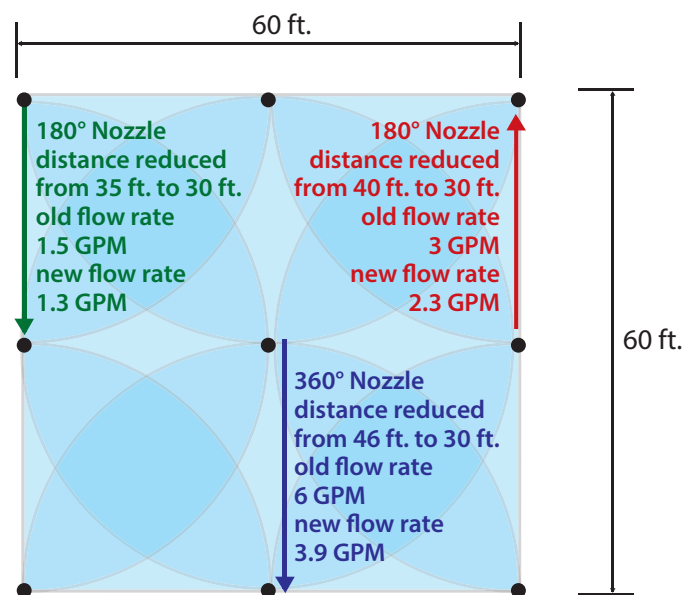
Total flow is 24 GPM, and precipitation rate is .64 in./hr.



### After Intelligent Flow Technology®

New total flow is 18.3 GPM, and precipitation rate is .49 in./hr.

**24% Less Water Used!**





Intelligent Flow  
Technology®



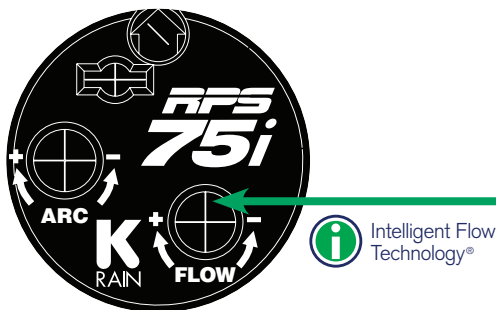
## RPS® 75i with Intelligent Flow Technology®

The RPS® 75i rotor is designed for residential and light commercial applications. This new addition to K-Rain's line of rotors retains all of the features and benefits of the RPS® 75 and delivers even more! To reduce the radius and distance in other rotors on the market, the nozzle must be changed or the break-up screw must be engaged. These steps limit the maximum reduction to 25% and cause uneven watering. With the RPS® 75i, a simple turn of the patented Flow Shut-Off controls distance and water flow proportionately—up to 50%. The RPS® 75i delivers even water distribution, eliminates dry spots and provides better zone performance while saving water. All of this in just one rotor—the right rotor for every landscape!

## Easy Arc Setting

**Arc Selection 40° to 360°**

Adjust From Right Start



## Models

**RPS 75i** RPS® 3/4" Rotor with  
Intelligent Flow Technology®

### Other options add to part number:

-SS	Stainless Steel
-CV	Check Valve
-NN	No Nozzle
-RCW	Reclaimed Water Use

## Specifications

- Inlet: 3/4" Threaded NPT
- Arc Adjustment Range: 40° – 360°
- Flow Range: .35 – 8.6 GPM
- Pressure Rating: 30 – 70 PSI
- Precipitation Rate: .124 – 2.0 in./hr.
- Overall Height (Popped Down): 7 3/8"
- Recommended Spacing: 25' – 45'
- Radius: 11' – 51'
- Nozzle Trajectory: 25°
- Low Angle Nozzle Trajectory: 11°
- Nozzles Included: 8 Standard, 4 Low Angle
- Riser Height: 4"

## How to Specify:

Model	
Number	Description
<b>RPS® 75i</b>	<b>-SS</b>

# Performance Data

NOZZLE	PRESSURE PSI kPa Bar	NO ADJUSTMENT								-10% ADJUSTMENT								-30% ADJUSTMENT							
		RADIUS		FLOW		PRECIP in/hr mm/hr				RADIUS		FLOW		PRECIP in/hr mm/hr				RADIUS		FLOW		PRECIP in/hr mm/hr			
		Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲
#1.0	30 207 2.1	31'	9.4	1.1	4.2	.22	.25	6	6	28	8.5	1.0	3.8	.24'	.28'	6	7	22'	7	0.8	3.0	.31	.36	8	9
	40 276 2.8	32'	9.8	1.4	5.3	.26	.30	7	8	29	8.8	1.3	4.9	.29'	.34'	7	9	22'	7	1.0	3.8	.38	.43	10	11
	50 345 3.4	33'	10.1	1.6	6.1	.28	.33	7	8	30	9.1	1.4	5.3	.31'	.36'	8	9	23'	7	1.1	4.1	.40	.47	10	12
	60 414 4.1	34'	10.4	1.8	6.8	.30	.35	8	9	31	9.4	1.6	6.1	.33'	.38'	8	10	24'	7	1.3	4.9	.43	.49	11	13
#1.5	30 207 2.1	33'	10.1	1.5	5.7	.27	.31	7	8	30	9.1	1.4	5.3	.29'	.34'	7	9	23'	7	1.1	4.1	.38	.44	10	11
	40 276 2.8	35'	10.7	1.8	6.8	.28	.33	7	8	32	9.8	1.6	6.1	.31'	.36'	8	9	25'	8	1.3	4.9	.40	.47	10	12
	50 345 3.4	35'	10.7	2.0	7.6	.31	.36	8	9	32	9.8	1.8	6.8	.35'	.40'	9	10	25'	8	1.4	5.3	.45	.52	11	13
	60 414 4.1	36'	11.0	2.2	8.3	.33	.38	8	10	32	9.8	2.0	7.6	.36'	.42'	9	11	25'	8	1.5	5.7	.47	.54	12	14
#2.0	30 207 2.1	33'	10.1	1.8	6.8	.32	.37	8	9	30	9.1	1.6	6.1	.35'	.41'	9	10	23'	7	1.3	4.9	.45	.53	11	13
	40 276 2.8	34'	10.4	2.1	7.9	.35	.40	9	10	31	9.4	1.9	7.2	.39'	.45'	10	11	24'	7	1.5	5.7	.50	.58	13	15
	50 345 3.4	36'	11.0	2.4	9.1	.36	.41	9	10	32	9.8	2.2	8.3	.40'	.46'	10	12	25'	8	1.7	6.4	.51	.59	13	15
	60 414 4.1	38'	11.6	2.7	10.2	.36	.42	9	11	34	10.4	2.4	9.1	.40'	.46'	10	12	27'	8	1.9	7.2	.51	.59	13	15
#2.5 Pre- installed	30 207 2.1	35'	10.7	2.2	8.3	.35	.40	9	10	32	9.8	2.0	7.6	.38'	.44'	10	11	25'	8	1.5	5.7	.49	.57	12	14
	40 276 2.8	38'	11.6	2.6	9.8	.35	.40	9	10	34	10.4	2.3	8.7	.39'	.44'	10	11	27'	8	1.8	6.8	.50	.57	13	15
	50 345 3.4	39'	11.9	3.0	11.4	.38	.44	10	11	35	10.7	2.7	10.2	.42'	.49'	11	12	27'	8	2.1	7.9	.54	.63	14	16
	60 414 4.1	40'	12.2	3.3	12.5	.40	.46	10	12	36	11.0	3.0	11.4	.44'	.51'	11	13	28'	9	2.3	8.7	.57	.66	14	17
#3.0	30 207 2.1	38'	11.6	2.7	10.2	.36	.42	9	11	34	10.4	2.4	9.1	.40'	.46'	10	12	27'	8	1.9	7.1	.51	.59	13	15
	40 276 2.8	40'	12.2	3.1	11.7	.37	.43	9	11	36	11.0	2.8	10.6	.41'	.48'	10	12	28'	9	2.2	8.3	.53	.62	13	16
	50 345 3.4	41'	12.5	3.5	13.3	.40	.46	10	12	37	11.3	3.2	12.1	.45'	.51'	11	13	29'	9	2.5	9.5	.57	.66	14	17
	60 414 4.1	41'	12.5	3.9	14.8	.45	.52	11	13	37	11.3	3.5	13.3	.50'	.57'	13	15	29'	9	2.7	10.2	.64	.74	16	19
#4.0	30 207 2.1	38'	11.6	3.5	13.3	.47	.54	12	14	34	10.4	3.2	12.1	.52'	.60'	13	15	27'	8	2.5	9.5	.67	.77	17	20
	40 276 2.8	40'	12.2	4.0	15.1	.48	.56	12	14	36	11.0	3.6	13.4	.54'	.62'	14	16	28'	9	2.8	10.6	.69	.79	18	20
	50 345 3.4	43'	13.1	4.4	16.7	.46	.53	12	13	39	11.9	4.0	15.1	.51'	.59'	13	15	30'	9	3.1	11.7	.65	.76	17	19
	60 414 4.1	43'	13.1	4.9	18.6	.51	.59	13	15	39	11.9	4.4	16.7	.57'	.65'	14	17	30'	9	3.4	12.9	.73	.84	19	21
#5.0	30 207 2.1	43'	13.1	4.4	16.7	.46	.53	12	13	39	11.9	4.0	15.1	.51'	.59'	13	15	30'	9	3.1	11.7	.65	.76	17	19
	40 276 2.8	43'	13.1	5.0	18.9	.52	.60	13	15	39	11.9	4.5	17.0	.58'	.67'	15	17	30'	9	3.5	13.3	.74	.86	19	22
	50 345 3.4	44'	13.4	5.5	20.8	.55	.63	14	16	40	12.2	5.0	18.9	.61'	.70'	15	18	31'	9	3.9	14.8	.78	.90	20	23
	60 414 4.1	42'	12.8	5.9	22.3	.64	.74	16	19	38	11.6	5.3	20.1	.72'	.83'	18	21	29'	9	4.1	15.5	.92	1.06	23	27
#6.0	30 207 2.1	40'	12.2	5.0	18.9	.60	.70	15	18	36	11.0	4.5	17.0	.67'	.77'	17	20	28'	9	3.5	13.3	.86	.99	22	25
	40 276 2.8	43'	13.1	5.9	22.3	.61	.71	15	18	39	11.9	5.3	20.1	.68'	.79'	17	20	30'	9	4.1	15.5	.88	1.01	22	26
	50 345 3.4	43'	13.1	6.6	25.0	.69	.79	18	20	39	11.9	5.9	22.3	.76'	.88'	19	22	30'	9	4.6	17.4	.98	1.13	25	29
	60 414 4.1	44'	13.4	7.3	27.6	.73	.84	19	21	40	12.2	6.6	25.0	.81'	.93'	21	24	31'	9	5.1	19.3	1.04	1.20	26	30
#8.0	30 276 2.8	43'	13.1	6.8	25.7	.71	.82	18	21	39	11.9	6.1	23.1	.79'	.91'	20	23	30'	9	4.8	18.2	1.01	1.17	26	30
	40 345 3.4	47'	14.3	7.9	29.9	.69	.80	18	20	42	12.9	7.1	26.9	.77'	.88'	20	22	33'	10	5.5	20.8	.98	1.14	25	29
	50 414 4.1	48'	14.6	8.8	33.3	.74	.85	19	22	43	13.1	7.9	30.0	.82'	.94'	21	24	34'	10	6.2	23.5	1.05	1.21	27	31
	60 483 4.8	47'	14.3	9.7	36.7	.85	.98	22	25	42	12.9	8.7	33.0	.94'	1.09'	24	28	33'	10	6.8	25.7	1.21	1.40	31	35

# Low Angle Performance Data

NOZZLE	PRESSURE PSI kPa Bar	NO ADJUSTMENT								-10% ADJUSTMENT								-30% ADJUSTMENT							
		RADIUS		FLOW		PRECIP in/hr mm/hr				RADIUS		FLOW		PRECIP in/hr mm/hr				RADIUS		FLOW		PRECIP in/hr mm/hr			
		Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲
#1.0	30 207 2.1	26'	7.9	0.9	3.4	.25	.29	6	7	23	7.0	0.8	3.0	.28'	.32'	7	8	18'	5	0.6	2.3	.35	.41	9	10
	40 276 2.8	27'	8.2	1.0	3.8	.26	.31	7	8	24	7.3	0.9	3.4	.29'	.34'	7	9	19'	6	0.7	2.7	.38	.44	10	11
	50 345 3.4	27'	8.2	1.2	4.5	.32	.37	8	9	24	7.3	1.1	4.2	.35'	.41'	9	10	19'	6	0.8	3.0	.45	.52	11	13
	60 414 4.1	26'	7.9	1.4	5.3	.40	.46	10	12	23	7.0	1.3	4.9	.44'	.51'	11	13	18'	5	1.0	3.8	.57	.66	14	17
#1.5	30 207 2.1	28'	8.5	1.3	4.9	.32	.37	8	9	25	7.6	1.2	4.5	.35'	.41'	9	10	20'	6	0.9	3.4	.46	.53	12	13
	40 276 2.8	29'	8.8	1.5	5.7	.34	.40	9	10	26	7.9	1.4	5.3	.38'	.44'	10	11	20'	6	1.1	4.2	.49	.57	12	14
	50 345 3.4	30'	9.1	1.7	6.4	.36	.42	9	11	27	8.2	1.5	5.7	.40'	.47'	10	12	21'	6	1.2	4.5	.52	.60	13	15
	60 414 4.1	31'	9.4	1.9	7.2	.38	.44	10	11	28	8.5	1.7	6.4	.42'	.49'	11	12	22'	7	1.3	4.9	.54	.63	14	16
#2.0	30 207 2.1	29'	8.8	1.9	7.2	.44	.50	11	13	26	7.9	1.7	6.4	.48'	.56'	12	14	20'	6	1.3	4.9	.62	.72	16	18
	40 276 2.8	32'	9.8	2.2	8.3	.41	.48	10	12	29	8.8	2.0	7.6	.46'	.53'	12	13	22'	7	1.5	5.7	.59	.68	15	17
	50 345 3.4	33'	10.1	2.5	9.5	.44	.51	11	13	30	9.1	2.3	8.7	.49'	.57'	12	14	23'	7	1.8	6.8	.63	.73	16	19
	60 414 4.1	34'	10.4	2.8	10.6	.47	.54	12	14	31	9.4	2.5	9.5	.52'	.60'	13	15	24'	7	2.0	7.6	.67	.77	17	20
#3.0	30 207 2.1	32'	9.8	2.5	9.5	.47	.54	13	14	29	8.8	2.3	8.7	.52'	.60'	13	15	22'	7	1.8	6.8	.67	.78	17	20
	40 276 2.8	34'	10.4	3.0	11.4	.50	.58	14	15	31	9.4	2.7	10.2	.56'	.64'	14	16	24'	7	2.1	7.9	.71	.82	18	21
	50 345 3.4	35'	10.7	3.5	13.3	.55	.64	15	16	32	9.8														