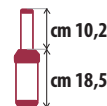


Technical Data

Rain Bird > Medium and Large Throw-Range Rotors

> 5004 Series



DESCRIPTION:

Features

- Oversized wiper seal prevents leaks and protects internals from debris
- Rain Curtain™ nozzles deliver even distribution over the entire radius including large wind resistant droplets and gentle close-in watering resulting in greener turf using less water
- A history of proven performance and reliability tested in millions of installations
- Self-flushing arc adjustment port that prevents buildup of debris
- 5 year trade warranty

Operating Specifications

- Precipitation rate: 5 to 38 mm/h
- Radius: 7,6 to 15,2 m
- Radius may be reduced up to 25% with radius reduction screw
- Pressure: 1,7 to 4,5 bar
- Flow Rate: 3,0 to 36,6 l/m; 0,17 to 2,19 m³/h
- Reversing full- and part-circle adjustment from 40° - 360°
- Standard nozzle trajectory of 25°. Low angle nozzle trajectory of 10°
- MPR nozzles varied nozzle trajectory between 12° - 25°

Optional Features

- "Plus Flow" shutdown due to excessive flow (green cover): reduces downtime by allowing the washing and installation of the nozzles in rotors without having to return to the programmer or valves
- equalizes lateral lines, and eliminates misting and fogging
- SAM Seal-A-Matic™ check valve holds up to 2,1 m of elevation change
- Stainless steel (SS) riser helps deter vandalism on public turf areas (available on 4" and 6" models)
- PRS (R) with flow optimizer technology; the 45 psi pressure regulator lowers water bills, provides exact flow of each rotor,



Front View

All nozzles are numbered in gallons per minute and keyed for easy installation



Both low angle 10° and standard 25° nozzles are included



Code	Description	Box*
OID902	5004 PC/3.0 reversing full and part-circle adjustment (40° - 360°); pre-installed mouthpiece of 3.0; black cover	20
OID904	5004 Plus-PC/3.0 reversing full and part-circle adjustment (40° - 360°); pre-installed mouthpiece of 3.0; green cover	20
OID905	5004 Plus-FC Y45010 with full circle (360°)	20
OID906	5004 with SAM check valve	20

*Loose sprinklers on request

Note: available also with height of 30,5 cm with pressure compensator PRX and riser in stainless steel

Rain Bird > Medium and Large Throw-Range Rotors

PERFORMANCE 5000 SERIES STANDARD ANGLE RAIN CURTAIN NOZZLES

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
2,0	1,5	10,2	0,28	4,80	5	6
2,0	2,0	10,8	0,36	6,00	6	7
2,0	2,5	10,9	0,44	7,20	7	9
2,0	3,0	11,2	0,55	9,00	9	10
2,0	4,0	11,6	0,71	12,00	11	12
2,0	5,0	12,1	0,91	15,00	13	15
2,0	6,0	12,4	1,05	17,40	15	17
2,0	8,0	11,8	1,45	24,00	32	37

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
3,5	1,5	10,7	0,37	6,00	7	8
3,5	2,0	11,3	0,49	8,40	8	9
3,5	2,5	11,3	0,60	10,20	9	11
3,5	3,0	12,2	0,74	12,60	10	12
3,5	4,0	12,8	0,97	16,20	12	14
3,5	5,0	13,7	1,23	20,40	13	15
3,5	6,0	14,2	1,45	24,00	13	15
3,5	8,0	14,9	1,93	32,40	20	24

2,5	1,5	10,4	0,31	5,40	6	7
2,5	2,0	11,0	0,41	6,60	7	8
2,5	2,5	11,3	0,50	8,40	8	9
2,5	3,0	11,2	0,62	10,20	9	11
2,5	4,0	12,3	0,81	13,20	11	13
2,5	5,0	12,7	1,03	17,40	13	15
2,5	6,0	13,2	1,21	20,40	14	16
2,5	8,0	13,3	1,63	27,00	24	28

4,0	1,5	10,6	0,40	6,60	7	8
4,0	2,0	11,1	0,52	9,00	8	10
4,0	2,5	11,3	0,64	10,80	10	12
4,0	3,0	12,2	0,80	13,20	11	12
4,0	4,0	12,8	1,04	17,40	13	15
4,0	5,0	13,7	1,32	22,20	14	16
4,0	6,0	14,9	1,55	25,80	14	16
4,0	8,0	15,2	2,06	34,20	21	25

3,0	1,5	10,6	0,34	6,00	6	7
3,0	2,0	11,2	0,45	7,80	7	8
3,0	2,5	11,3	0,56	9,60	9	10
3,0	3,0	12,1	0,69	11,40	9	11
3,0	4,0	12,7	0,89	15,00	11	13
3,0	5,0	13,5	1,13	18,60	12	14
3,0	6,0	13,4	1,34	22,20	13	17
3,0	8,0	13,4	1,79	30,00	23	27

4,5	1,5	10,4	0,42	7,20	8	9
4,5	2,0	10,7	0,55	9,00	10	11
4,5	2,5	11,3	0,68	11,40	11	12
4,5	3,0	12,2	0,84	13,80	11	13
4,5	4,0	12,8	1,10	18,00	13	15
4,5	5,0	13,7	1,40	23,40	15	17
4,5	6,0	14,6	1,64	28,20	15	18
4,5	8,0	15,2	2,19	36,60	19	22

PERFORMANCE 5000 SERIES LOW ANGLE NOZZLES

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
1,7	1,0 LA	7,6	0,17	3,00	6	7
1,7	1,5 LA	8,2	0,26	4,20	8	9
1,7	2,0 LA	8,8	0,33	5,40	9	10
1,7	3,0 LA	8,8	0,51	8,40	13	15

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
3,5	1,0 LA	8,8	0,24	4,20	6	7
3,5	1,5 LA	9,4	0,38	6,60	9	10
3,5	2,0 LA	9,9	0,49	8,40	10	11
3,5	3,0 LA	10,8	0,74	12,60	13	15

2,0	1,0 LA	8,0	0,18	3,00	6	6
2,0	1,5 LA	8,6	0,28	4,80	8	9
2,0	2,0 LA	9,1	0,36	6,00	9	10
2,0	3,0 LA	9,3	0,55	9,00	13	15

4,0	1,0 LA	8,8	0,26	4,20	7	8
4,0	1,5 LA	9,4	0,41	6,60	9	11
4,0	2,0 LA	10,1	0,52	9,00	10	12
4,0	3,0 LA	11,0	0,80	13,20	13	15

2,5	1,0 LA	8,6	0,20	3,60	5	6
2,5	1,5 LA	9,2	0,32	5,40	8	9
2,5	2,0 LA	9,5	0,41	6,60	9	10
2,5	3,0 LA	10,1	0,62	10,20	12	14

4,5	1,0 LA	8,8	0,27	4,80	7	8
4,5	1,5 LA	9,4	0,44	7,20	10	11
4,5	2,0 LA	10,1	0,56	9,00	11	13
4,5	3,0 LA	11,0	0,84	13,80	14	16

3,0	1,0 LA	8,8	0,22	3,60	6	7
3,0	1,5 LA	9,4	0,35	6,00	8	9
3,0	2,0 LA	9,7	0,45	7,80	10	11
3,0	3,0 LA	10,6	0,68	11,40	12	14

Precipitation rates based on half-circle operation
 Square spacing based on 50% diameter of throw
 Triangular spacing based on 50% diameter of throw
 Performance data taken in zero wind conditions
 Performance data derived from tests that conform with ASABE Standards; ASABE S398.1

Technical Data

Rain Bird > Medium and Large Throw-Range Rotors

PERFORMANCE RAIN CURTAIN ANGLED STANDARD NOZZLES 5000 PRS SERIES

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
1,7	1,5	10,1	0,25	4,20	5	6
1,7	2,0	10,7	0,34	5,40	6	7
1,7	2,5	10,7	0,41	6,60	7	8
1,7	3,0	11,0	0,51	8,40	8	10
1,7	4,0	11,3	0,66	10,80	10	12
1,7	5,0	11,9	0,84	13,80	12	14
1,7	6,0	11,9	0,97	16,20	14	16
1,7	8,0	11,0	1,34	22,20	22	26

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
3,0	1,5	10,6	0,34	6,00	6	7
3,0	2,0	11,2	0,45	7,80	7	8
3,0	2,5	11,3	0,56	9,60	9	10
3,0	3,0	12,1	0,69	11,40	9	11
3,0	4,0	12,7	0,89	16,80	11	13
3,0	5,0	13,5	1,13	18,60	12	14
3,0	6,0	13,9	1,34	22,20	14	16
3,0	8,0	14,1	1,79	30,00	23	27

2,0	1,5	10,2	0,28	4,80	5	6
2,0	2,0	10,8	0,36	6,00	6	7
2,0	2,5	10,9	0,44	7,20	7	9
2,0	3,0	11,2	0,55	9,00	9	10
2,0	4,0	11,6	0,71	12,00	11	13
2,0	5,0	12,1	0,91	15,00	13	15
2,0	6,0	12,4	1,05	17,40	15	17
2,0	8,0	11,8	1,45	24,00	32	37

3,5 - 5,2	1,5	10,6	0,35	6,00	6	7
3,5 - 5,2	2,0	11,2	0,47	7,80	8	9
3,5 - 5,2	2,5	11,3	0,58	10,20	9	11
3,5 - 5,2	3,0	12,1	0,71	12,00	10	11
3,5 - 5,2	4,0	12,7	0,92	15,60	12	13
3,5 - 5,2	5,0	13,5	1,17	19,20	13	15
3,5 - 5,2	6,0	13,9	1,39	22,80	14	17
3,5 - 5,2	8,0	14,1	1,85	31,20	18	21

2,5	1,5	10,4	0,31	5,40	6	7
2,5	2,0	11,0	0,41	6,60	7	8
2,5	2,5	11,3	0,50	8,40	8	9
2,5	3,0	11,2	0,62	10,20	9	11
2,5	4,0	12,3	0,81	13,20	11	13
2,5	5,0	12,7	1,03	17,40	13	15
2,5	6,0	13,2	1,21	20,40	14	16
2,5	8,0	13,3	1,63	27,00	24	18

PERFORMANCE LOW ANGLE NOZZLES 5000 PRS SERIES

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
1,7	1,0 LA	7,6	0,17	3,00	6	7
1,7	1,5 LA	8,2	0,26	4,20	8	9
1,7	2,0 LA	8,8	0,33	5,40	9	10
1,7	3,0 LA	8,8	0,51	8,40	13	15

Press. bar	Nozzle	Radius mt	Flow rate		Precipit. mm/h	
			m ³ /h	l/min	■	▲
3,0	1,0 LA	8,8	0,22	3,60	6	7
3,0	1,5 LA	9,4	0,35	6,00	8	9
3,0	2,0 LA	9,7	0,45	7,80	10	11
3,0	3,0 LA	10,6	0,68	11,40	12	14

2,0	1,0 LA	8,0	0,18	3,00	6	6
2,0	1,5 LA	8,6	0,28	4,80	8	9
2,0	2,0 LA	9,1	0,36	6,00	9	10
2,0	3,0 LA	9,3	0,55	9,00	13	15

3,5 - 5,2	1,0 LA	8,8	0,23	3,60	6	7
3,5 - 5,2	1,5 LA	9,4	0,36	6,00	8	10
3,5 - 5,2	2,0 LA	9,7	0,47	7,80	10	12
3,5 - 5,2	3,0 LA	10,6	0,70	12,00	13	15

2,5	1,0 LA	8,6	0,20	3,60	5	6
2,5	1,5 LA	9,2	0,32	5,40	8	9
2,5	2,0 LA	9,5	0,41	6,60	9	10
2,5	3,0 LA	10,1	0,62	10,20	12	14

Precipitation rates based on half-circle operation
 Square spacing based on 50% diameter of throw
 Triangular spacing based on 50% diameter of throw
 Performance data taken in zero wind conditions

Performance data derived from tests that conform with ASABE Standards; ASABE S398.1

Rain Bird > Medium and Large Throw-Range Rotors

> 5000 Series MPR Nozzles



DESCRIPTION:

Features

- Rain Curtain™ nozzles deliver even distribution over the entire radius including large wind resistant droplets and gentle close-in watering resulting in greener turf using less water
- Precipitation rate is automatically matched with a uniform radius that does not require stream deflection
- Matched 0.6"/hour precipitation rates enable large and small turf areas to be zoned together by mixing rotors and Rain Bird R-VAN rotary nozzles

Models

- 5000MPRMPK: 5000/5000 Plus Series MPR nozzle tree multi pack- radius 7,6 m, 9,1 m, 10,7 m in quarter, third, half, full arc

PERFORMANCE NOZZLES MPR

Nozzle coverage	Press. bar	5000-MPR-25 - red						5000-MPR-30 - green						5000-MPR-35 - beige					
		Radius mt	Flow rate		Precipit. mm/h		Radius mt	Flow rate		Precipit. mm/h		Radius mt	Flow rate		Precipit. mm/h		Radius mt	Flow rate	
			m³/h	l/min	■	▲		m³/h	l/min	■	▲		m³/h	l/min	■	▲		m³/h	l/min
	90°	1,7	7,0	0,17	3,00	14	16	8,8	0,23	3,60	12	14	9,8	0,32	5,40	13	15		
	90°	2,4	7,3	0,20	3,60	15	17	9,1	0,28	4,80	13	15	10,4	0,38	6,60	14	16		
	90°	3,1	7,6	0,23	3,60	16	18	9,1	0,32	5,40	15	18	10,7	0,44	7,20	15	18		
	90°	3,8	7,6	0,25	4,20	17	20	9,1	0,35	6,00	17	20	10,7	0,48	7,80	17	20		
	90°	4,5	7,6	0,27	4,80	19	22	9,1	0,38	6,60	18	21	10,7	0,52	9,00	18	21		
	120°	1,7	7,0	0,23	3,60	14	16	8,8	0,30	4,80	12	14	9,8	0,40	6,60	13	15		
	120°	2,4	7,3	0,27	4,80	15	18	9,1	0,37	6,00	13	15	10,4	0,49	8,40	14	16		
	120°	3,1	7,6	0,31	5,40	16	19	9,1	0,42	7,20	15	17	10,7	0,56	9,60	15	17		
	120°	3,8	7,6	0,35	6,00	18	21	9,1	0,47	7,80	17	19	10,7	0,62	10,20	16	19		
	120°	4,5	7,6	0,38	6,60	20	23	9,1	0,51	8,40	18	21	10,7	0,68	11,40	18	21		
	180°	1,7	7,0	0,33	5,40	13	15	8,8	0,49	8,40	13	14	9,8	0,62	10,20	13	15		
	180°	2,4	7,3	0,39	6,60	15	17	9,1	0,59	9,60	14	16	10,4	0,76	12,60	14	16		
	180°	3,1	7,6	0,45	7,20	16	18	9,1	0,67	11,40	16	19	10,7	0,87	14,40	15	18		
	180°	3,8	7,6	0,50	8,40	17	20	9,1	0,75	12,60	18	21	10,7	0,96	16,20	17	20		
	180°	4,5	7,6	0,55	9,00	19	22	9,1	0,82	13,80	20	23	10,7	1,05	17,40	18	21		
	360°	1,7	7,0	0,63	10,80	13	15	8,8	0,96	16,20	12	14	9,8	1,22	20,40	13	15		
	360°	2,4	7,3	0,76	12,60	14	16	9,1	1,15	19,20	14	16	10,4	1,50	25,20	14	16		
	360°	3,1	7,6	0,87	14,40	15	17	9,1	1,31	21,60	16	18	10,7	1,72	28,80	15	18		
	360°	3,8	7,6	0,97	16,20	17	19	9,1	1,45	24,00	17	20	10,7	1,91	31,80	17	19		
	360°	4,5	7,6	1,05	17,40	18	21	9,1	1,57	26,40	19	22	10,7	2,09	34,80	18	21		



Square spacing based on 50% diameter of throw
 Triangular spacing based on 50% diameter of throw
 Performance data taken in zero wind conditions

Performance data derived from tests that conform with ASABE Standards; ASABE S398.1