"Once my customers actually see the difference Rain Curtain nozzles make, they won't settle for anything but Rain Bird Rotors. They've really helped me build my business."

Dennis Hoffman
Grasshopper Irrigation, Inc.

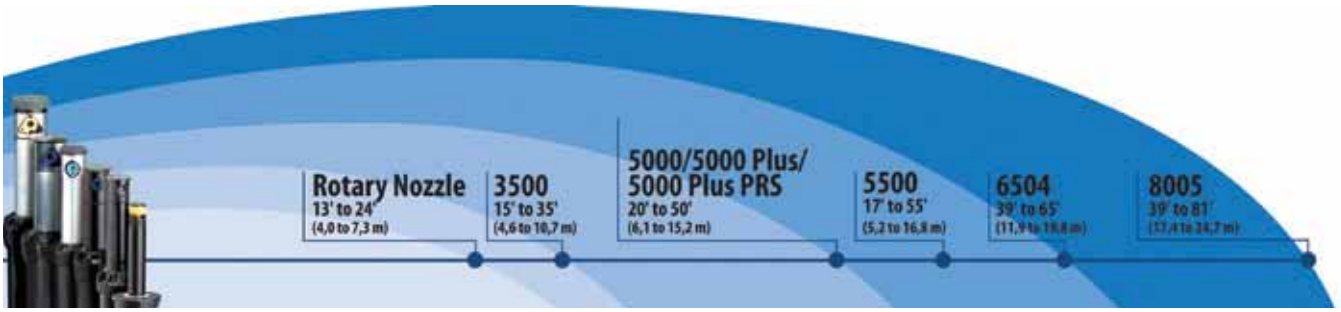
Major Products	Closed Case Rotors					Open Case Rotor
Primary Applications	**3500 Series**	**5000/5000 Plus Series**	**5500 Series**	**8005**	**Falcon™ 6504**	**2045A Maxi-Paw™**
Turfgrass 15' to 30'	●		●			
Turfgrass 25' to 50'		●	●	●	●	●
Turfgrass more than 50'			●	●	●	
Residential	●	●				●
Commercial		●	●	●	●	●
Vandalism/Damage Prone Areas			●	●		
Slopes	●	●	●	●	●	●
Ground Cover/Shrubs	●	●				
Athletic Fields			●	●	●	
Pressure Regulating		●				
High Wind Areas	●	●	●	●	●	●
Taller Turfgrass		●	●	●		
Non-Potable Water	●	●	●	●	●	●

Water Saving Tips

- Rain Curtain™ nozzle technology is the standard in water-saving nozzle performance. Rain Curtain™ performance is available in all Rain Bird Rotors
- 5000 Series Rotors with PRS will reduce water waste from 15%-45%. By eliminating pressure variation and/or over pressurization, you'll save water and deliver greener results
- All rotors with Seal-a-Matic™ (SAM) check valves prevent drainage from heads at lower elevations, stop water waste and eliminate landscape damage due to flooding and/or erosion

Whatever the Residential or Commercial Application, Rain Bird® Rotors Have It Covered

A rotor's radius of throw is a key consideration in selecting a specific model. The chart below helps you make an initial choice among rotors in the Rain Bird product line. This chart indicates the maximum radius of throw for each rotor type under zero wind conditions. The data refer to the smallest nozzle at the lowest charted pressure and the largest nozzle at the highest charted pressure.



New to the 5000/5000 Plus Series:
Ensure Water-Saving Performance, Even with High or Fluctuating Water Pressure

PRS available in 5000 Plus Rotors

Pressure Regulation

Smart Approved WaterMark

In-stem pressure regulator (PRS) maintains constant outlet pressure and distribution, leaving you with greener grass

- Reduces operating pressure for optimal nozzle performance and head-to-head consistency
- Ends misting and fogging caused by high pressure and stops water waste
- PRS option available in 5000/5000 Plus Rotors

Install Proven Rain Curtain™ Nozzle Technology

There are three elements which create the superior coverage of Rain Curtain™ nozzle technology.

1 Large Droplets for Consistent Performance

Rain Curtain™ nozzle technology produces larger water droplets that are far less susceptible to wind, and greatly minimizes misting and airborne evaporation. This competitive advantage assures that the right amount of water goes where it needs to go which saves time, money and equally important, one of nature's most valuable resources.

2 Effective Close-In Watering

Effective and gentle close-in watering eliminates dry spots around the rotor without seed washout.

3 Even Distribution Over the Entire Radius

The broad range of Rain Bird Rain Curtain™ Nozzles [0.54-36.3 gpm (0.12-8.24 m^3/h), 15-81 ft. (4.6-24.7m)] is engineered to deliver optimum distribution uniformity across the entire radius range. This uniformity compensates for varying environmental conditions, offering flexibility to the designer and assuring green grass results.

Short- to Mid-Range Rain Curtain™ Nozzle Technology
[15-50 ft. (4.6-15.3 m)]

Patent-Pending Micro-Ramps™ for superior close-in watering.

Front view of nozzle **Back view of nozzle**

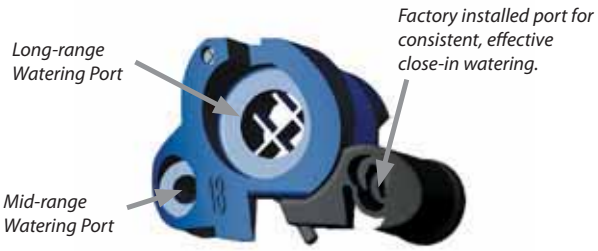
Precisely Engineered Ramps, Angles and Radii

1) Create a cohesive stream for maximum distance of throw

2) Generate larger droplets that are less susceptible to wind and airborne evaporation

3) Deliver even water distribution across the entire radius range for superior green grass results

Long Range Rain Curtain™ nozzle technology
[39-81 ft. (12.2-24.7 m)]



In Rain Bird large area rotors, Rain Curtain™ nozzle technology centers around three watering ports that deliver long-range, mid-range and close-in water for optimum distribution uniformity. This uniformity across the entire radius range greatly diminishes dependence on near-perfect head-to-head spacing, and reduces the need to overwater because there are no gaps in coverage. The close-in watering port features an expansion chamber that actually takes energy out of that part of the stream which is diverted downward around the head. By reducing the velocity of the water by as much as 90%, effective close-in watering is achieved. The close-in water flowing out of the bottom of this port is distributed gently, even though the rotor is operating at a relatively high flow and pressure.

Rain Curtain™ Nozzle Cross Reference Guide
Hunter® vs. Rain Bird

Hunter vs. Rain Bird – 3/4" Rotors

If replacing:	Use Rain Bird Nozzle	
	By Flow	By Radius
PGP	5000/5000 Plus	5000/5000 Plus
1	-	-
2	-	-
3	-	-
4	1.5	1.5
5	2.0	2.0
6	2.5	2.5
7	3.0	3.0
8	4.0	4.0
9	5.0	5.0
10	8.0	6.0
11	-	8.0
12	-	8.0

Hunter vs. Rain Bird – 3/4" Rotors

If replacing:	Use Rain Bird Nozzle			
	By Flow		By Radius	
I-20	5000/5000 Plus	5500	5000/5000 Plus	5500
0.5 SR	-	-	-	18S
1.0 SR	-	-	-	18S
2.0 SR	-	18S	-	18S
0.75 SR	-	-	-	22S
1.5 SR	-	22S	-	22S
3.0 SR	-	26S	-	22S
1.0	1.5	-	1.5	30S
1.5	1.5	2	1.5	30S
2.0	2.0	2	2.0	2
3.0	2.5	3	2.5	2
3.5	**3.0**	4	3.0	3
4.0	4.0	5	4.0	3
6.0	5.0	6	5.0	4
8.0	6.0	8	6.0	8

Hunter vs. Rain Bird – 1" Rotors

If replacing:	Use Rain Bird Nozzle			
	By Flow		By Radius	
I-25	6504	8005	6504	8005
4	4	4	4	4
5	6	6	6	6
7	8	8	6	8
8	10	10	8	8
10	12	12	10	10
13	12	12	12	12
15	14	14	14	12
18	16	16	16	14
20	18	18	18	14
23	-	22	-	16
25	-	24	-	20
28	-	26	-	22
I-40	**6504**	**8005**	**6504**	**8005**
40	8	8	6	8
41	12	12	10	10
42	12	12	10	12
43	16	16	14	14
44	18	20	18	16
45	-	22	-	20
I-35	**6504**	**8005**	**6504**	**8005**
9	8	8	8	8
12	12	12	10	10
15	14	14	12	12
18	16	16	14	14
21	18	18	14	14
24	-	22	16	16
27	-	24	16	16
30	-	26	-	20

Rain Curtain™ Nozzle Cross Reference Guide
Toro® vs. Rain Bird

Toro vs. Rain Bird – 3/4" Rotors

If replacing:	Use Rain Bird Nozzle	
	By Flow	By Radius
Super 800	5000/5000 Plus	5000/5000 Plus
0.5	-	-
0.75	-	-
1.0	1.5	1.5
2.0	2.5	2.0
2.5	3.0	2.5
3.0	4.0	2.5
4.0	5.0	3.0
6.0	6.0	4.0
8.0	8.0	5.0

Toro vs. Rain Bird – 3/4" Rotors

If replacing:	Use Rain Bird Nozzle			
	By Flow		By Radius	
TR50	5000/5000 Plus	5505	5000/5000 Plus	5505
1.0	-	-	-	-
1.5	1.5	2	1.5	2
2.0	2.0	2	2.0	3
3.0	3.0	3	3.0	3
4.5	4.0	5	4.0	3
6.0	5.0	6	4.0	4
7.5	6.0	8	4.0	4
9.0	8.0	10	5.0	4

Toro vs. Rain Bird – 1" Rotors

If replacing:	Use Rain Bird Nozzle			
	By Flow		By Radius	
Toro 2001	6504	8005	6504	8005
9	10	10	10	10
12	12	12	12	12
15	16	16	14	14
18	18	20	18	16
24	-	22	-	20
TR70	**6504**	**8005**	**6504**	**8005**
7	8	8	-	6
9	8	8	8	8
12	12	12	10	10
16	16	16	14	12
20	-	20	14	14
24	-	20	16	14
27	-	20	18	16
Toro 640	**6504**	**8005**	**6504**	**8005**
40	8	8	8	10
41	10	12	10	10
42	14	14	12	12
43	16	16	14	14
44	18	20	16	14

3500 Series

Easy to Use, Tough to Beat

- Greener grass with less water – Rain Curtain™ Nozzles deliver superior performance
- True 4" (10.2 cm) pop-up (measured from the cover to the nozzle)
- Reliability – three year trade warranty

Features

- **Rain Curtain™ Nozzle Technology**
  - Attached nozzle tree of six Rain Curtain™ Nozzles provides:
    - Large droplets for consistent performance
    - Effective close-in watering
    - Even distribution over the entire radius
- **Installation and Maintenance**
  - Top-adjust arc adjustment requiring only a flathead screwdriver
  - Radius adjustment screw allows up to 25% radius reduction without changing nozzles
  - Quick check arc/fast forward
  - Self-adjusting stator does not require replacement when changing nozzles
  - Easily removable filter screen
  - Nozzle removal feature
- **Design Solutions**
  - The 3500 Series Rotor is available in Shrub, 4" and SAM™ models
  - Rubber cover and self-flushing arc adjustment screw reduce debris intrusion and improve reliability
  - 40 - 360° part-circle arc rotation and reversing full-circle rotation in one
- **Durability**
  - Water-lubricated gear-drive design for durable, reliable operation
  - Dual action, positive stop wiper seal protects internals from debris and assures positive pop-up and retraction

Options

- Purple cover for easy identification of non-potable systems
- Seal-A-Matic™ (SAM™) check valve holds up to 7 feet (2.1 m) of elevation change, to prevent puddling and erosion caused by low-head drainage

Operating Range

- Precipitation rate: 0.37 to 0.83 inches per hour (9 to 22 mm/h)
- Radius: 15 to 35 feet (4.6 to 10.7 m)
- Radius may be reduced up to 35% with radius reduction screw
- Pressure: 25 to 55 psi (1.7 to 3.8 bar)
- Flow rate: 0.54 to 4.6 gpm (1.8 to 17.4 l/m)

Specifications

- ½" NPT female bottom threaded inlet
- Full- and part-circle adjustment 40° - 360°

Dimensions

- Pop up height: 4" (10.2 cm)
- Overall body height: Shrub: 7" (17.8 cm); 4": 6.6" (16.8 cm)
- Exposed surface diameter: 1.16" (2.9 cm)

Note: *Pop-up height measured from the cover to the nozzle. Overall body height is measured popped down*

Models

Part-circle units (PC) are adjustable from 40 -360 degrees.

- 3504-PC
- 3504-PC-SAM
- 3504-PC-SAM-NP
- 3500-S-SAM
- 3500-S-SAM-NP

3504-PC

How To Specify

3504 - S - PC - SAM - NP

- **Options** S = SAM; NP = Non-potable cover
- **Rotation** Part-circle
- **Model** Shrub
- **Model** 3500 Series 4" pop-up

Water Saving

Like all Rain Bird rotors, 3500 Series rotors use Rain Curtain™ nozzle technology to deliver the results you have come to expect while managing water wisely

3500 Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	0.75	15	0.54	0.46	0.53
	1.0	20	0.77	0.37	0.43
	1.5	23	1.06	0.39	0.45
	2.0	27	1.40	0.37	0.43
	3.0	29	2.17	0.50	0.57
	4.0	31	2.97	0.59	0.69
35	0.75	17	0.67	0.45	0.52
	1.0	21	0.92	0.40	0.46
	1.5	23	1.28	0.47	0.54
	2.0	27	1.69	0.45	0.52
	3.0	31	2.60	0.52	0.60
	4.0	33	3.58	0.63	0.73
45	0.75	17	0.77	0.51	0.59
	1.0	21	1.06	0.46	0.53
	1.5	24	1.48	0.49	0.57
	2.0	27	1.93	0.51	0.59
	3.0	31	3.00	0.60	0.69
	4.0	35	4.13	0.65	0.75
55	0.75	18	0.85	0.51	0.58
	1.0	22	1.18	0.47	0.54
	1.5	24	1.65	0.55	0.64
	2.0	28	2.15	0.53	0.61
	3.0	32	3.25	0.61	0.71
	4.0	35	4.60	0.72	0.83

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

3500 Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	0.75	4.6	0.12	2.04	12	14
	1.0	6.1	0.17	2.91	9	11
	1.5	7.0	0.24	4.01	10	11
	2.0	8.2	0.32	5.30	9	11
	3.0	8.8	0.49	8.21	13	15
	4.0	9.4	0.67	11.24	15	17
2.0	0.75	4.8	0.13	2.24	12	13
	1.0	6.2	0.19	3.14	10	11
	1.5	7.0	0.26	4.35	11	12
	2.0	8.2	0.34	5.74	10	12
	3.0	9.1	0.53	8.87	13	15
	4.0	9.7	0.73	12.17	16	18
2.5	0.75	5.2	0.16	2.58	12	13
	1.0	6.4	0.21	3.55	10	12
	1.5	7.0	0.30	4.94	12	14
	2.0	8.2	0.39	6.51	12	13
	3.0	9.4	0.60	10.03	13	16
	4.0	10.1	0.83	13.82	16	19
3.0	0.75	5.2	0.17	2.86	13	15
	1.0	6.4	0.24	3.93	12	13
	1.5	7.3	0.33	5.49	12	14
	2.0	8.2	0.43	7.17	13	15
	3.0	9.4	0.67	11.13	15	17
	4.0	10.6	0.92	15.32	16	19
3.5	0.75	5.4	0.19	3.09	13	15
	1.0	6.6	0.26	4.27	12	14
	1.5	7.3	0.36	5.97	13	15
	2.0	8.4	0.47	7.79	13	15
	3.0	9.6	0.71	11.90	15	18
	4.0	10.7	1.00	16.66	18	20
3.8	0.75	5.5	0.19	3.22	13	15
	1.0	6.7	0.27	4.47	12	14
	1.5	7.3	0.37	6.25	14	16
	2.0	8.5	0.49	8.14	13	15
	3.0	9.8	0.74	12.30	16	18
	4.0	10.7	1.04	17.41	18	21

5000/5000 Plus Series

EXCLUSIVE! PRS OPTION IN 5000 PLUS

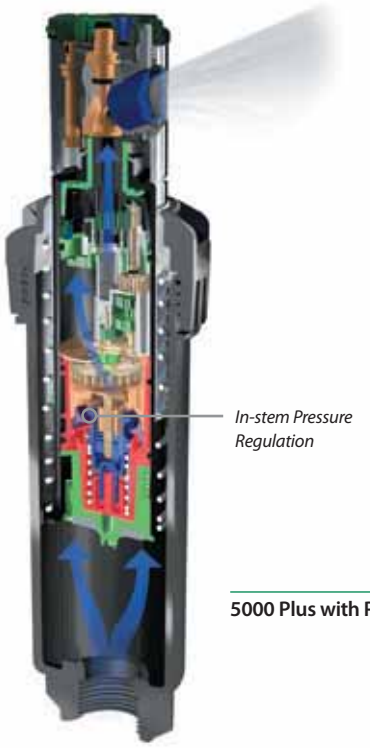
Unmatched Performance for Residential and Light Commercial Applications

Smart Approved WaterMark

- Greener grass with less water – Rain Curtain™ Nozzles deliver superior performance
- Even greater water savings with optional in-stem pressure regulation (PRS)
- Faster to install with matched precipitation rate using MPR nozzle set (see page 57)

Features

- **Rain Curtain™ Nozzle Technology**
  - Rain Curtain™ Nozzles standard on all 5000/5000 Plus Rotors
    - Large water droplets for greater wind resistance
    - Effective close-in watering
    - Even distribution over the entire radius
  - Tree of nozzles including four low angle (angle of trajectory 10°) and eight standard angle Rain Curtain™ Nozzles (angle of trajectory 25°) provides 25 to 50 (7.6 to 15.2 m) distance of throw
  - Self-aligning nozzles
- **Installation and Maintenance**
  - Slip clutch mechanism for quick adjustment on installation
  - Faster maintenance with a new self-cleaning arc adjustment screw
  - The 5000 Plus features a flow shut-off device to stop the flow of water to a particular head while the system is still in operation.
  - Top-adjust arc adjustment requiring only a flathead screwdriver
  - Radius adjustment screw allows up to 25% radius reduction without changing nozzles
- **Design Solutions**
  - 5000 in 4", 6" and 12" available in shrub or in stainless steel
  - 5000 Plus/5000 Plus PRS 4" and 6" models available in stainless steel
  - Award-winning MPR nozzle set simplifies design and installation by providing matched precipitation from 25' to 35' (7.6 to 10.7 m)
  - Standard rubber cover for extra protection. 5000 Plus/5000 Plus PRS feature a green cover while the 5000 features a black cover
  - 40 - 360° arc rotation and reversing full-circle rotation in one. (A non-reversing full-circle only unit is also available)
  - True 4" (10 cm), 6" (15.2 cm) and 12" (30.5 cm) pop-up (measured from the cover to the nozzle)
- **Durability**
  - Heavy-duty cover assembly for extra durability in residential or commercial applications
  - Heavy-duty retract spring assures positive pop-down
  - Pressure-activated multi-function wiper seal protects internals from debris and assures positive pop-up and retraction
  - Additional O-rings and seals for extra protection in "gritty" water
  - Five-year trade warranty
- **Options**
  - Stainless steel riser helps deter vandalism on public turf areas (4" and 6" 5000 Plus/5000 Plus PRS only)
  - Pre-installed Rain Curtain Nozzle on most popular 5000 and nozzle combinations
  - Seal-A-Matic (SAM)™ check valve holds up to 7 feet (2.1 m) of elevation change, to prevent puddling and erosion caused by low head drainage
  - Purple cover for easy identification of non-potable systems



5000 Plus with PRS

5012-PL-FC, 5006-PL-FC, 5004-PL-FC

How To Specify

5004-S-PL-PC-SAM-R-NP-SS

- **Options** SAM, R: PRS, NP: Non-potable cover
- **Rotation** "PC" for 40-360 degrees, "FC" for 360 degree only
- **Model** Plus
- **Model** Shrub
- **Model** 5000 Series 4" pop-up
- **Model** Stainless steel

Water Saving

Want the most water-efficient combination? Select 5000/5000 Plus with SAM, PRS and MPR nozzles. Whether you rely on Rain Curtain Nozzles to deliver water efficiently or MPR nozzles to ensure matched precipitation rates, the 5000/5000 Plus Series Rotor delivers solutions that manage water wisely.

5000/5000 Plus Series (cont.)

Operating Range

- Precipitation rate: 0.20 to 1.01 inches per hour (5 to 26 mm/h)
- Radius: 25 to 50 feet (7.6 to 15.2 m)
- Radius may be reduced up to 25% with radius reduction screw
- Pressure: 25 to 65 psi (1.7 to 4.5 bar)
- Flow Rate: 0.73 to 9.63 gpm (4.2 to 36.6 l/m)

Specifications

- ¾" (20/27) NPT female bottom threaded inlet
- Reversing full and part-circle adjustment 40° – 360°
- Full-circle only adjustment 360°

Dimensions

- Pop-up height: Shrub; 4" (10.2 cm); 6" (15.2 cm); 12" (30.5 cm)
- Overall body height: Shrub: 7 ¾" (19.7cm) 4": 7 ⅜" (18.5 cm); 6": 9 ⅝" (24.5 cm); 12": 16 ⅞" (42.9 cm)
- Exposed surface diameter: 1 ⅝" (4.1 cm)

Note: *Pop-up height measured from the cover to the nozzle. Overall body height is measured popped down*

Optional PRS Feature

EXCLUSIVE! IN 5000 PLUS

Smart Approved WaterMark

- In-stem pressure regulator (PRS) reduces operating pressure to 45 psi (3.1 bar) for optimal nozzle performance
- PRS saves water by:
  - Eliminating head-to-head pressure variations
  - Eliminating misting due to high pressure
  - Improving nozzle distribution uniformity by operating the nozzle at optimum pressure
- Maintenance-free design can be easily retrofitted into existing 5000/5000 Plus, T-Bird™ and Hunter® PGP™ (using 5004-UPG) rotor cases without digging up the entire body
- Pressure: 25 to 75 psi (1.7 to 5.2 bar)

Models

Part-circle units (PC) are adjustable from 40 –360 degrees.
Full-circle units (FC) are 360 degrees only.

- 5004-(PC or FC)-(SAM)-(R)
- 5006-(PC or FC)-(SAM)
- 5012-(PC or FC)-(SAM)
- 5000-S-PL-(PC or FC)-(SAM)-(R)-(NP) - standard with SAM
- 5004-PL-(PC or FC)-(SAM)-(R)-(NP)-(SS)
- 5006-PL-(PC or FC)-(SAM)-(R)-(NP)-(SS)
- 5012-PL-(PC or FC)-(SAM)-(R)-(NP)

Note: Many models are available with a 2.0 or 3.0 nozzle pre-installed. NP and SS versions come standard with a SAM. R = PRS

5000/5000 Plus Std. Angle Rain Curtain™ Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.5	33	1.12	0.20	0.23
	2.0	35	1.50	0.24	0.27
	2.5	35	1.81	0.28	0.33
	3.0	36	2.26	0.34	0.39
	4.0	37	2.91	0.41	0.47
	5.0	39	3.72	0.47	0.54
	6.0	39	4.25	0.54	0.62
	8.0	36	5.90	0.88	1.01
35	1.5	34	1.35	0.22	0.26
	2.0	36	1.81	0.27	0.31
	2.5	37	2.17	0.31	0.35
	3.0	38	2.71	0.36	0.42
	4.0	40	3.50	0.42	0.49
	5.0	41	4.47	0.51	0.59
	6.0	43	5.23	0.54	0.63
	8.0	43	7.06	0.74	0.85
45	1.5	35	1.54	0.24	0.28
	2.0	37	2.07	0.29	0.34
	2.5	37	2.51	0.35	0.41
	3.0	40	3.09	0.37	0.43
	4.0	42	4.01	0.44	0.51
	5.0	45	5.09	0.48	0.56
	6.0	46	6.01	0.55	0.63
	8.0	47	8.03	0.70	0.81
55	1.5	35	1.71	0.27	0.31
	2.0	37	2.30	0.32	0.37
	2.5	37	2.76	0.39	0.45
	3.0	40	3.47	0.42	0.48
	4.0	42	4.44	0.48	0.56
	5.0	45	5.66	0.54	0.62
	6.0	47	6.63	0.58	0.67
	8.0	50	8.86	0.68	0.79
65	1.5	34	1.86	0.31	0.36
	2.0	35	2.52	0.40	0.46
	2.5	37	3.01	0.42	0.49
	3.0	40	3.78	0.45	0.53
	4.0	42	4.83	0.53	0.61
	5.0	45	6.16	0.59	0.68
	6.0	48	7.22	0.60	0.70
	8.0	50	9.63	0.74	0.86

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5000/5000 Plus Std. Angle Rain Curtain™ Nozzle Performance

METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.5	10.10	0.25	4.2	5	6
	2.0	10.70	0.34	5.4	6	7
	2.5	10.70	0.41	6.6	7	8
	3.0	11.00	0.51	8.4	8	10
	4.0	11.3	0.66	10.8	10	12
	5.0	11.90	0.84	13.8	12	14
	6.0	11.90	0.97	16.2	14	16
	8.0	11.00	1.34	22.2	22	26
2.0	1.5	10.20	0.28	4.8	5	6
	2.0	10.80	0.36	6.0	6	7
	2.5	10.90	0.44	7.2	7	9
	3.0	11.20	0.55	9.0	9	10
	4.0	11.6	0.71	12.0	11	12
	5.0	12.10	0.91	15.0	12	14
	6.0	12.40	1.05	17.4	14	16
	8.0	11.80	1.45	24.0	21	24
2.5	1.5	10.40	0.31	5.4	6	7
	2.0	11.00	0.41	6.6	7	8
	2.5	11.30	0.50	8.4	8	9
	3.0	11.20	0.62	10.2	9	11
	4.0	12.3	0.81	13.2	11	13
	5.0	12.70	1.03	17.4	13	15
	6.0	13.20	1.21	20.4	14	16
	8.0	13.30	1.63	27.0	19	21
3.0	1.5	10.60	0.34	6.0	6	7
	2.0	11.20	0.45	7.8	7	8
	2.5	11.30	0.56	9.6	9	10
	3.0	12.10	0.69	11.4	9	11
	4.0	12.7	0.89	15.0	11	13
	5.0	13.50	1.13	18.6	12	14
	6.0	13.90	1.34	22.2	14	16
	8.0	14.10	1.79	30.0	18	21
3.5	1.5	10.70	0.37	6.0	7	8
	2.0	11.30	0.49	8.4	8	9
	2.5	11.30	0.60	10.2	9	11
	3.0	12.20	0.74	12.6	10	12
	4.0	12.8	0.97	16.2	12	14
	5.0	13.70	1.23	20.4	13	15
	6.0	14.20	1.45	24.0	14	17
	8.0	14.90	1.93	32.4	18	20
4.0	1.5	10.60	0.40	6.6	7	8
	2.0	11.10	0.52	9.0	8	10
	2.5	11.30	0.64	10.8	10	12
	3.0	12.20	0.80	13.2	11	12
	4.0	12.8	1.04	17.4	13	15
	5.0	13.70	1.32	22.2	14	16
	6.0	14.90	1.55	25.8	15	17
	8.0	15.20	2.06	34.2	18	21
4.5	1.5	10.40	0.42	7.2	8	9
	2.0	10.70	0.55	9.0	10	11
	2.5	11.30	0.68	11.4	11	12
	3.0	12.20	0.84	13.8	11	13
	4.0	12.8	1.10	18.0	13	15
	5.0	13.70	1.40	23.4	15	17
	6.0	14.60	1.64	28.2	15	18
	8.0	15.20	2.19	36.6	19	22

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5000/5000 Plus Low Angle Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.0 LA	25	0.76	0.23	0.27
	1.5 LA	27	1.15	0.30	0.35
	2.0 LA	29	1.47	0.34	0.39
	3.0 LA	29	2.23	0.51	0.59
35	1.0 LA	28	0.92	0.23	0.26
	1.5 LA	30	1.38	0.30	0.34
	2.0 LA	31	1.77	0.35	0.41
	3.0 LA	33	2.68	0.47	0.55
45	1.0 LA	29	1.05	0.24	0.28
	1.5 LA	31	1.58	0.32	0.37
	2.0 LA	32	2.02	0.38	0.44
	3.0 LA	35	3.07	0.48	0.56
55	1.0 LA	29	1.17	0.27	0.31
	1.5 LA	31	1.76	0.35	0.41
	2.0 LA	33	2.24	0.40	0.46
	3.0 LA	36	3.41	0.51	0.58
65	1.0 LA	29	1.27	0.29	0.34
	1.5 LA	31	1.92	0.38	0.44
	2.0 LA	33	2.45	0.43	0.50
	3.0 LA	36	3.72	0.55	0.64

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5000/5000 Plus Low Angle Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.0 LA	7.60	0.17	3.0	6	7
	1.5 LA	8.20	0.26	4.2	8	9
	2.0 LA	8.80	0.33	5.4	9	10
	3.0 LA	8.80	0.51	8.4	13	15
2.0	1.0 LA	8.00	0.18	3.0	6	6
	1.5 LA	8.60	0.28	4.8	8	9
	2.0 LA	9.10	0.36	6.0	9	10
	3.0 LA	9.30	0.55	9.0	13	15
2.5	1.0 LA	8.60	0.20	3.6	5	6
	1.5 LA	9.20	0.32	5.4	8	9
	2.0 LA	9.50	0.41	6.6	9	10
	3.0 LA	10.10	0.62	10.2	12	14
3.0	1.0 LA	8.80	0.22	3.6	6	7
	1.5 LA	9.40	0.35	6.0	8	9
	2.0 LA	9.70	0.45	7.8	10	11
	3.0 LA	10.60	0.68	11.4	12	14
3.5	1.0 LA	8.80	0.24	4.2	6	7
	1.5 LA	9.40	0.38	6.6	9	10
	2.0 LA	9.90	0.49	8.4	10	11
	3.0 LA	10.80	0.74	12.6	13	15
4.0	1.0 LA	8.80	0.26	4.2	7	8
	1.5 LA	9.40	0.41	6.6	9	11
	2.0 LA	10.10	0.52	9.0	10	12
	3.0 LA	11.00	0.80	13.2	13	15
4.5	1.0 LA	8.80	0.27	4.8	7	8
	1.5 LA	9.40	0.44	7.2	10	11
	2.0 LA	10.10	0.56	9.0	11	13
	3.0 LA	11.00	0.84	13.8	14	16

5000 Plus PRS Std. Angle Rain Curtain™ Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.5	33	1.12	0.2	0.23
	2.0	35	1.5	0.24	0.27
	2.5	35	1.81	0.28	0.33
	3.0	36	2.26	0.34	0.39
	4.0	37	2.91	0.41	0.47
	5.0	39	3.72	0.47	0.54
	6.0	39	4.25	0.54	0.62
	8.0	36	5.9	0.88	1.01
35	1.5	34	1.35	0.22	0.26
	2.0	36	1.81	0.27	0.31
	2.5	37	2.17	0.31	0.35
	3.0	38	2.71	0.36	0.41
	4.0	40	3.5	0.42	0.49
	5.0	41	4.47	0.51	0.59
	6.0	43	5.23	0.54	0.63
	8.0	43	7.06	0.74	0.85
45	1.5	35	1.54	0.24	0.28
	2.0	37	2.07	0.29	0.34
	2.5	37	2.51	0.35	0.41
	3.0	40	3.09	0.37	0.43
	4.0	42	4.01	0.44	0.51
	5.0	45	5.09	0.48	0.56
	6.0	46	6.01	0.55	0.63
	8.0	47	8.03	0.7	0.81
55 – 75	1.5	35	1.59	0.25	0.29
	2.0	37	2.14	0.3	0.35
	2.5	37	2.6	0.37	0.42
	3.0	40	3.2	0.39	0.44
	4.0	42	4.15	0.45	0.52
	5.0	45	5.27	0.5	0.58
	6.0	46	6.22	0.57	0.65
	8.0	47	8.31	0.72	0.84

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5000 Plus PRS Std. Angle Rain Curtain™ Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.5	10.1	0.25	4.20	5	6
	2.0	10.7	0.34	5.40	6	7
	2.5	10.7	0.41	6.60	7	8
	3.0	11.0	0.51	8.40	8	10
	4.0	11.3	0.66	10.80	10	12
	5.0	11.9	0.84	13.80	12	14
	6.0	11.9	0.97	16.20	14	16
	8.0	11.0	1.34	22.20	22	26
2.0	1.5	10.2	0.28	4.80	5	6
	2.0	10.8	0.36	6.00	6	7
	2.5	10.9	0.44	7.20	7	9
	3.0	11.2	0.55	9.00	9	10
	4.0	11.6	0.71	12.00	11	12
	5.0	12.1	0.91	15.00	12	14
	6.0	12.4	1.05	17.40	14	16
	8.0	11.8	1.45	24.00	21	24
2.5	1.5	10.4	0.31	5.40	6	7
	2.0	11.0	0.41	6.60	7	8
	2.5	11.3	0.50	8.40	8	9
	3.0	11.2	0.62	10.20	9	11
	4.0	12.3	0.81	13.20	11	13
	5.0	12.7	1.03	17.40	13	15
	6.0	13.2	1.21	20.40	14	16
	8.0	13.3	1.63	27.00	19	21
3.0	1.5	10.6	0.34	6.00	6	7
	2.0	11.2	0.45	7.80	7	8
	2.5	11.3	0.56	9.60	9	10
	3.0	12.1	0.69	11.40	9	11
	4.0	12.7	0.89	16.80	11	13
	5.0	13.5	1.13	18.60	12	14
	6.0	13.9	1.34	22.20	14	16
	8.0	14.1	1.79	30.00	18	21
3.5 – 5.2	1.5	10.6	0.35	6.00	6	7
	2.0	11.2	0.47	7.80	8	9
	2.5	11.3	0.58	10.20	9	11
	3.0	12.1	0.71	12.00	10	11
	4.0	12.7	0.92	15.60	12	13
	5.0	13.5	1.17	19.20	13	15
	6.0	13.9	1.39	22.80	14	17
	8.0	14.1	1.85	31.20	18	21

5000 Plus PRS Low Angle Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.0 LA	25	0.76	0.22	0.26
	1.5 LA	27	1.15	0.3	0.35
	2.0 LA	29	1.47	0.34	0.39
	3.0 LA	29	2.23	0.51	0.59
35	1.0 LA	28	0.92	0.21	0.25
	1.5 LA	30	1.38	0.3	0.34
	2.0 LA	31	1.77	0.35	0.41
	3.0 LA	33	2.68	0.47	0.55
45	1.0 LA	29	1.05	0.23	0.26
	1.5 LA	31	1.58	0.32	0.37
	2.0 LA	32	2.02	0.38	0.44
	3.0 LA	35	3.07	0.48	0.56
55 – 75	1.0 LA	29	1.09	0.25	0.29
	1.5 LA	31	1.64	0.33	0.38
	2.0 LA	32	2.09	0.39	0.45
	3.0 LA	35	3.18	0.5	0.58

Precipitation rates based on half-circle operation

■ *Square spacing based on 50% diameter of throw*

▲ *Triangular spacing based on 50% diameter of throw*

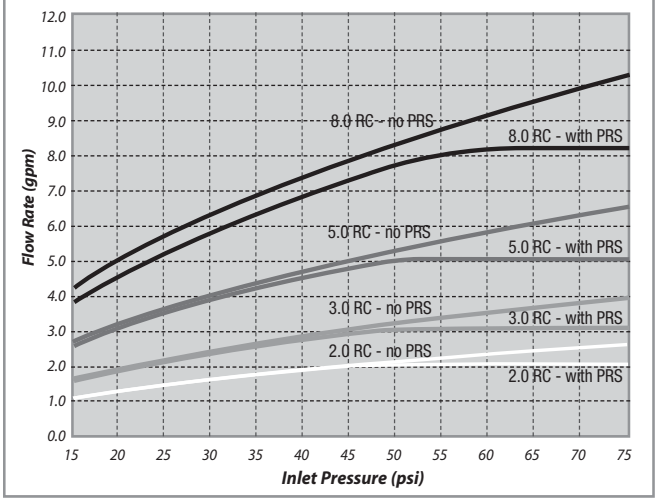
Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5000 Plus PRS Low Angle Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.0 LA	7.6	0.17	3.00	6	7
	1.5 LA	8.2	0.26	4.20	8	9
	2.0 LA	8.8	0.33	5.40	9	10
	3.0 LA	8.8	0.51	8.40	13	15
2.0	1.0 LA	8.0	0.18	3.00	6	6
	1.5 LA	8.6	0.28	4.80	8	9
	2.0 LA	9.1	0.36	6.00	9	10
	3.0 LA	9.3	0.55	9.00	13	15
2.5	1.0 LA	8.6	0.20	3.60	5	6
	1.5 LA	9.2	0.32	5.40	8	9
	2.0 LA	9.5	0.41	6.60	9	10
	3.0 LA	10.1	0.62	10.20	12	14
3.0	1.0 LA	8.8	0.22	3.60	6	7
	1.5 LA	9.4	0.35	6.00	8	9
	2.0 LA	9.7	0.45	7.80	10	11
	3.0 LA	10.6	0.68	11.40	12	14
3.5 – 5.2	1.0 LA	8.8	0.23	3.60	6	7
	1.5 LA	9.4	0.36	6.00	8	10
	2.0 LA	9.7	0.47	7.80	10	12
	3.0 LA	10.6	0.70	12.00	13	15

Flow Rate v Inlet Pressure – Rain Curtain™ Nozzles



5000/5000 Plus MPR Nozzles

Faster Install and Audit with Color-Coded Matched Precipitation Rate Between 25' and 35'

- Greener grass with less water – Rain Curtain™ Nozzles deliver superior performance
- Design flexibility with a precipitation rate matching between sets and with the Rotary Nozzle
- Color-coded by radius for easy identification

Features

- Three nozzle trees of 25', 30', and 35' (7.6 m, 9.1 m, 10.7 m) radii
- Each tree contains a Q (90°), T (120°), H (180°), and F (360°) nozzle
- No fixed arc plate required
- Compatible with both the 5000 and 5000 Plus Rotor Series
- Rain Curtain™ nozzle technology provides:
  - Large droplets for consistent performance
  - Effective close-in watering
  - Even distribution over the entire radius
- Precipitation rate of 0.60 in/hr (15.2 mm/hr) reduces runoff and erosion
- Nozzles are easy to insert and remove
- Stackable nozzle trees for convenient storage
- Precipitation rate matches Rain Bird Rotary Nozzle (see page 24)

Models

- 5000-MPR-25: Tree of nozzles for 25-foot radius with Q, T, H, F nozzles attached
- 5000-MPR-30: Tree of nozzles for 30-foot radius with Q, T, H, F nozzles attached
- 5000-MPR-35: Tree of nozzles for 35-foot radius with Q, T, H, F nozzles attached

How To Specify

5000 - MPR - 25 - Q

- 5000 — Model: Rotor
- MPR — Nozzle: Matched Precipitation rate
- 25 — Radius Range: 25', 30', 35'
- Q — Pattern: Q=Quarter, T=Third, H=Half, F=Full

5000/5000 Plus MPR Nozzles

5000-MPR-25 (Red)

Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
Quarter	25	23	0.74	0.54	0.62
	35	24	0.88	0.59	0.68
	45	25	1.00	0.62	0.71
	55	25	1.11	0.68	0.79
	65	25	1.21	0.75	0.86
Third	25	23	1.00	0.55	0.63
	35	24	1.21	0.61	0.70
	45	25	1.38	0.64	0.74
	55	25	1.53	0.71	0.82
	65	25	1.67	0.77	0.89
Half	25	23	1.44	0.52	0.61
	35	24	1.73	0.58	0.67
	45	25	1.98	0.61	0.70
	55	25	2.21	0.68	0.79
	65	25	2.41	0.74	0.86
Full	25	23	2.78	0.51	0.58
	35	24	3.34	0.56	0.64
	45	25	3.82	0.59	0.68
	55	25	4.25	0.65	0.76
	65	25	4.63	0.71	0.82

5000-MPR-25 (Red) METRIC

Nozzle	Pressure bar	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
Quarter	1.7	7.0	0.17	3.0	13.7	15.8
	2.4	7.3	0.20	3.6	14.9	17.3
	3.1	7.6	0.23	3.6	15.6	18.1
	3.8	7.6	0.25	4.2	17.4	20.1
	4.5	7.6	0.27	4.8	18.9	21.9
Third	1.7	7.0	0.23	3.6	13.9	16.0
	2.4	7.3	0.27	4.8	15.4	17.8
	3.1	7.6	0.31	5.4	16.2	18.7
	3.8	7.6	0.35	6.0	18.0	20.7
	4.5	7.6	0.38	6.6	19.6	22.6
Half	1.7	7.0	0.33	5.4	13.3	15.4
	2.4	7.3	0.39	6.6	14.7	17.0
	3.1	7.6	0.45	7.2	15.5	17.9
	3.8	7.6	0.50	8.4	17.3	20.0
	4.5	7.6	0.55	9.0	18.9	21.8
Full	1.7	7.0	0.63	10.8	12.8	14.8
	2.4	7.3	0.76	12.6	14.2	16.4
	3.1	7.6	0.87	14.4	14.9	17.3
	3.8	7.6	0.97	16.2	16.6	19.2
	4.5	7.6	1.05	17.4	18.1	20.9

Water Saving

5000/5000 Plus MPR Nozzles deliver matched precipitation rates within and between radii from 25' to 35'. This eliminates the risks of over- or underwatering.

5000-MPR-30 (Green)

Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
Quarter	25	29	1.03	0.47	0.54
	35	30	1.23	0.53	0.61
	45	30	1.40	0.60	0.69
	55	30	1.56	0.67	0.77
	65	30	1.69	0.72	0.83
Third	25	29	1.34	0.46	0.53
	35	30	1.62	0.52	0.60
	45	30	1.85	0.59	0.69
	55	30	2.06	0.66	0.76
	65	30	2.24	0.72	0.83
Half	25	29	2.15	0.49	0.57
	35	30	2.59	0.55	0.64
	45	30	2.96	0.63	0.73
	55	30	3.30	0.71	0.82
	65	30	3.60	0.77	0.89
Full	25	29	4.24	0.49	0.56
	35	30	5.08	0.54	0.63
	45	30	5.78	0.62	0.71
	55	30	6.39	0.68	0.79
	65	30	6.92	0.74	0.85

5000-MPR-30 (Green) METRIC

Nozzle	Pressure bar	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
Quarter	1.7	8.8	0.23	3.6	12.0	13.8
	2.4	9.1	0.28	4.8	13.4	15.4
	3.1	9.1	0.32	5.4	15.2	17.6
	3.8	9.1	0.35	6.0	17.0	19.6
	4.5	9.1	0.38	6.6	18.4	21.2
Third	1.7	8.8	0.30	4.8	11.7	13.5
	2.4	9.1	0.37	6.0	13.2	15.2
	3.1	9.1	0.42	7.2	15.1	17.4
	3.8	9.1	0.47	7.8	16.8	19.4
	4.5	9.1	0.51	8.4	18.3	21.1
Half	1.7	8.8	0.49	8.4	12.5	14.4
	2.4	9.1	0.59	9.6	14.1	16.2
	3.1	9.1	0.67	11.4	16.1	18.6
	3.8	9.1	0.75	12.6	17.9	20.7
	4.5	9.1	0.82	13.8	19.6	22.6
Full	1.7	8.8	0.96	16.2	12.3	14.2
	2.4	9.1	1.15	19.2	13.8	15.9
	3.1	9.1	1.31	21.6	15.7	18.1
	3.8	9.1	1.45	24.0	17.4	20.0
	4.5	9.1	1.57	26.4	18.8	21.7

5000-MPR-35 (Beige)

Nozzle	Pressure psi	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
Quarter	25	32	1.40	0.53	0.61
	35	34	1.67	0.56	0.64
	45	35	1.92	0.60	0.70
	55	35	2.13	0.67	0.77
	65	35	2.31	0.73	0.84
Third	25	32	1.77	0.50	0.58
	35	34	2.15	0.54	0.62
	45	35	2.46	0.58	0.67
	55	35	2.74	0.65	0.75
	65	35	2.99	0.70	0.81
Half	25	32	2.75	0.52	0.60
	35	34	3.33	0.55	0.64
	45	35	3.81	0.60	0.69
	55	35	4.23	0.66	0.77
	65	35	4.62	0.73	0.84
Full	25	32	5.36	0.50	0.58
	35	34	6.62	0.55	0.64
	45	35	7.58	0.60	0.69
	55	35	8.43	0.66	0.76
	65	35	9.18	0.72	0.83

5000-MPR-35 (Beige) METRIC

Nozzle	Pressure bar	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
Quarter	1.7	9.8	0.32	5.4	13.4	15.4
	2.4	10.4	0.38	6.6	14.1	16.3
	3.1	10.7	0.44	7.2	15.3	17.7
	3.8	10.7	0.48	7.8	17.0	19.6
	4.5	10.7	0.52	9.0	18.4	21.3
Third	1.7	9.8	0.40	6.6	12.7	14.6
	2.4	10.4	0.49	8.4	13.6	15.8
	3.1	10.7	0.56	9.6	14.7	17.0
	3.8	10.7	0.62	10.2	16.4	18.9
	4.5	10.7	0.68	11.4	17.9	20.7
Half	1.7	9.8	0.62	10.2	13.1	15.2
	2.4	10.4	0.76	12.6	14.1	16.3
	3.1	10.7	0.87	14.4	15.2	17.6
	3.8	10.7	0.96	16.2	16.9	19.5
	4.5	10.7	1.05	17.4	18.4	21.3
Full	1.7	9.8	1.22	20.4	12.8	14.8
	2.4	10.4	1.50	25.2	14.0	16.2
	3.1	10.7	1.72	28.8	15.1	17.5
	3.8	10.7	1.91	31.8	16.8	19.4
	4.5	10.7	2.09	34.8	18.3	21.2

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5500 and 8005 Series

Protect Your Turf with High Performance, Vandal and Abuse Resistant Rotors from 17' to 81'

NEW 8005!
All of the functionality of the 7005 and 8005 in one rotor!

- Greener grass with less water – Rain Curtain™ Nozzles deliver superior performance
- Save time and replacement costs with this vandal and abuse resistant rotor family
- Lower inventory costs with a continuous 360 full-circle and part-circle operation in one head

Features

- **Rain Curtain™ Nozzle Technology**
  - Color coded Rain Curtain™ Nozzles for optimal distribution and close-in watering resulting in superior uniformity.
  - Nozzles are interchangeable from the front with no special tools
- **Vandal and Abuse Resistance**
  - Memory Arc® returns the rotor to its original arc setting
  - Non-strippable drive mechanism prevents damage from vandals and equipment
  - Brass reinforced nozzle turret to riser connection withstands side impact damage
  - Optional stainless steel riser model helps deter vandalism on public turf areas
- **Installation and Maintenance**
  - Left and right side trips are independently adjustable for ease of installation without turning the case and loosening the pipe connection
  - Easy, wet, dry arc adjustment with only a slotted screwdriver through top of rotor from 50° to 330° part-circle, 360° non- reversing full-circle
  - Reduce inventory requirements with continuous full and part-circle operation in one unit
  - Self-adjusting stator allows nozzle replacement with no other adjustments required
- **Design Solutions and Safety**
  - Standard Seal-A-Matic™ (SAM) check device/riser to help prevent low-head drainage
  - Standard black rubber cover
  - Optional purple cover for easy identification of non-potable systems
  - Small exposed diameter reduces possibility of injury on play areas
  - Optional rubber Sod Cup for player safety on sports field applications
- **Durability**
  - Redundant wiper seal reduces stick-ups and wiper seal leaks
  - Five-year trade warranty
  - Water-lubricated gear drive
  - Heavy duty retract spring ensures positive pop-down

5505 8005

How To Specify

5505 - SS - NP - 12

- **Model**: 5500 Series, 8005 Series
- **Optional Feature**: Stainless steel riser (5500 only; excludes 5512)
- **Optional Feature**: Non-potable rubber cover
- **Nozzle Size**: 12

Note: For non-U.S. applications, it is necessary to specify NPT or BSP thread type.

Water Saving

With Rain Curtain™ Nozzle performance and vandal and abuse resistant features, this family of rotors ensures that water ends up where it belongs.

5500 Series

Operating Range

- Radius: 17 to 55 feet (5.2 to 16.8 m)
- Precipitation rate: 0.21 to 1.48 in/hr (6.3 to 33.8 mm/h)
- Pressure: 40 to 90 psi (2.8 to 6.2 bar)
- Flow: 1.2 to 15.5 gpm (0.32 to 3.52 m^3/h; 4.52 to 58.88 l/m)

Specifications

- ¾" (20/27) NPT female threaded inlet
- SAM check device holds up to 10 feet (3.1 m) of head
- Rain Curtain™ Nozzles: 2.0 - orange, 3.0 - red, 4.0 - black, 5.0 - yellow, 6.0 - light blue, 8.0 - dark green, 10.0 - grey, 12.0 - beige; and short throw nozzle tree 18s, 22s, 26s, 30s - aqua
- Nozzle outlet trajectory is 22°

Dimensions

- Exposed diameter: 1¾" (4.4 cm)
- Overall diameter: 2¾" (7.0 cm)
- Overall height:* 9¼" (23.5 cm)
- Pop-up height:* 5" (12.7 cm)

Models

- 5505: ¾" NPT female threaded inlet (5" plastic riser stem)
- 5505-SS: ¾" NPT female threaded inlet (5" stainless steel covered riser stem)
- 5512: ¾" NPT female threaded inlet (12" plastic riser stem)

* ***Note:*** *5512 maximum pressure 75 psi (5,2 bar)*

8005 Series

Operating Range

- Radius: 39 to 81 feet (11.9 to 24.7 m)
- Precipitation rate: 0.48 to 1.23 inches per hour (12 to 31 mm/h)
- Pressure: 50 to 100 psi (3.5 to 6.9 bar)
- Flow: 3.8 to 36.3 gpm (0.86 to 8.24 m^3/h; 14.4 to 137.4 l/m)

Note: *Flow ranges of 7005 and 8005 are combined into 8005 rotor*

Specifications

- 1" (26/34) NPT or BSP female threaded inlet
- SAM check device holds up to 10 feet (3.1 m) of head
- Nozzle outlet trajectory is 25°
- Rain Curtain™ Nozzles: 04 - black; 06 - light blue; 08 - dark green; 10 - gray; 12 - beige; 14 - light green; 16 - dark brown; 18 - dark blue; - 20 - red; 22 - yellow; 24 - orange; 26 - white

Dimensions

- Exposed diameter: 1⅞" (4.8 cm)
- Overall diameter: 3⅛" (7.9 cm)
- Overall height:** 10⅛" (25.7 cm)
- Pop-up height:** 5" (12.7 cm)

Models

- 8005: 1" NPT female threaded inlet (plastic riser stem)
- Optional purple cover for easy identification of non-potable systems
- Optional Sod Cup

Note: *All models available with BSP threads*

** ***Note:*** *Pop-up height is measured from cover to the primary nozzle port. Overall body height is measured popped down*

Sod Cup for 7005

5500 Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
30	2	33	1.2	0.21	0.25
	3	35	2.3	0.36	0.42
	4	37	2.4	0.34	0.39
	5	37	2.6	0.37	0.42
	6	39	4.2	0.53	0.61
	8	39	5.3	0.67	0.77
40	2	37	1.6	0.23	0.26
	3	39	2.7	0.34	0.39
	4	41	2.9	0.33	0.38
	5	41	3.5	0.40	0.46
	6	45	4.8	0.46	0.53
	8	45	6.4	0.61	0.70
	10	41	7.5	0.86	0.99
	12	39	10.1	1.28	1.48
50	2	37	1.7	0.24	0.28
	3	41	3.0	0.34	0.40
	4	43	3.3	0.34	0.40
	5	45	3.8	0.36	0.42
	6	47	5.4	0.47	0.54
	8	49	7.3	0.59	0.68
	10	47	8.9	0.78	0.90
	12	45	11.1	1.06	1.22
60	2	37	1.9	0.27	0.31
	3	41	3.3	0.38	0.44
	4	45	3.6	0.34	0.40
	5	47	4.8	0.42	0.48
	6	47	6.0	0.52	0.60
	8	51	8.2	0.61	0.70
	10	51	9.7	0.72	0.83
	12	51	12.3	0.91	1.05
70	2	39	2.1	0.27	0.31
	3	43	3.5	0.36	0.42
	4	45	3.9	0.37	0.43
	5	47	5.1	0.44	0.51
	6	47	6.5	0.57	0.65
	8	53	8.8	0.60	0.70
	10	53	11.1	0.76	0.88
	12	53	13.5	0.93	1.07
80	2	39	2.3	0.29	0.34
	3	43	3.8	0.40	0.46
	4	45	4.2	0.40	0.46
	5	47	5.5	0.48	0.55
	6	49	7.0	0.56	0.65
	8	53	9.5	0.65	0.75
	10	55	12.1	0.77	0.89
	12	55	14.4	0.92	1.06
90	10	55	13.1	0.83	0.96
	12	55	15.5	0.99	1.14

5500 Short Radius Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
30	18S	17	1.4	0.93	1.08
	22S	19	1.4	0.75	0.86
	26S	25	1.4	0.43	0.50
	30S	25	1.7	0.52	0.60
40	18S	19	1.5	0.80	0.92
	22S	21	1.6	0.70	0.81
	26S	25	1.9	0.59	0.68
	30S	29	1.8	0.41	0.48
50	18S	21	1.8	0.79	0.91
	22S	23	1.8	0.66	0.76
	26S	29	2.1	0.48	0.56
	30S	31	2.0	0.40	0.46
60	18S	23	2.0	0.73	0.84
	22S	25	2.0	0.62	0.71
	26S	29	2.4	0.55	0.63
	30S	33	2.2	0.39	0.45
70	18S	23	2.2	0.80	0.92
	22S	25	2.3	0.71	0.82
	26S	29	2.8	0.64	0.74
	30S	35	2.8	0.44	0.51
80	18S	25	2.4	0.74	0.85
	22S	27	2.5	0.66	0.76
	26S	29	3.1	0.71	0.82
	30S	35	3.1	0.49	0.56

5500 Short Radius Nozzles

5500 Nozzle Performance — METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	Precip ■ mm/h	Precip ▲ mm/h
2.1	2	10.1	0.32	4.54	6.3	7.3
	3	10.7	0.52	8.71	9.2	10.6
	4	11.3	0.59	9.08	9.3	10.7
	5	11.3	0.73	9.84	11.4	13.2
	6	11.3	0.86	15.90	13.6	15.7
	8	10.1	1.23	20.06	24.2	28.0
2.5	2	10.8	0.35	5.49	5.9	6.8
	3	11.4	0.58	9.65	8.9	10.2
	4	12.0	0.66	10.27	9.1	10.5
	5	12.0	0.81	11.97	11.2	12.9
	6	12.4	0.96	17.32	12.5	14.4
	8	11.2	1.37	22.67	21.8	25.2
3.0	2	11.3	0.38	6.19	6.0	6.9
	3	12.1	0.64	10.62	8.7	10.0
	4	12.7	0.74	11.51	9.1	10.5
	5	12.9	0.90	13.65	10.8	12.5
	6	13.3	1.07	18.97	12.1	13.9
	8	12.3	1.53	25.42	20.1	23.2
	10	13.1	1.74	30.25	20.1	23.2
	12	12.5	2.30	39.56	29.3	33.8
3.5	2	11.3	0.41	6.49	6.5	7.5
	3	12.5	0.69	11.44	8.8	10.2
	4	13.2	0.80	12.58	9.2	10.7
	5	13.8	0.98	14.67	10.4	12.0
	6	13.8	1.17	20.61	12.3	14.2
	8	13.2	1.67	27.89	19.3	22.3
	10	14.4	1.83	33.92	17.6	20.3
	12	13.9	2.54	42.36	26.5	30.6
4.0	2	11.3	0.45	7.04	7.0	8.1
	3	12.5	0.75	12.27	9.7	11.2
	4	13.6	0.85	13.40	9.2	10.6
	5	14.2	1.05	17.42	10.4	12.0
	6	14.2	1.25	22.26	12.4	14.3
	8	13.6	1.80	30.36	19.5	22.5
	10	15.3	2.12	36.11	18.1	20.9
	12	15.2	2.74	45.65	23.8	27.4
4.5	2	11.6	0.48	7.59	7.1	8.2
	3	12.8	0.80	12.89	9.7	11.2
	4	13.7	0.90	14.22	9.6	11.0
	5	14.3	1.12	18.77	10.9	12.6
	6	14.3	1.33	23.71	13.0	15.0
	8	14.0	1.92	32.23	19.5	22.5
	10	15.9	2.38	39.51	18.9	21.9
	12	15.9	2.94	48.95	23.3	26.9
5.0	2	11.9	0.51	8.14	7.2	8.3
	3	13.1	0.83	13.53	9.7	11.2
	4	13.7	0.95	15.05	10.1	11.6
	5	14.3	1.18	19.69	11.5	13.3
	6	14.5	1.41	25.08	13.4	15.5
	8	14.5	2.04	33.98	19.4	22.5
	10	16.3	2.60	42.97	19.5	22.5
	12	16.3	3.12	51.96	23.4	27.1
5.5	2	11.9	0.52	8.69	7.4	8.5
	3	13.1	0.88	14.36	10.3	11.9
	4	13.7	1.00	15.87	10.6	12.2
	5	14.3	1.25	20.78	12.2	14.0
	6	14.9	1.47	26.45	13.2	15.3
	8	14.9	2.15	35.90	19.3	22.3
	10	16.8	2.74	45.71	19.6	22.6
	12	16.8	3.27	54.43	23.3	26.9
6.0	10	16.8	2.91	48.46	20.7	23.9
	12	16.8	3.45	57.43	24.5	28.3
6.2	10	16.8	2.98	49.58	21.2	24.4
	12	16.8	3.52	58.66	25.1	28.9

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5500 Short Radius Nozzle Performance					METRIC	
Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
2.1	18S	5.2	0.32	5.3	23.7	27.3
	22S	5.8	0.32	5.3	19.0	21.9
	26S	7.6	0.32	5.3	11.0	12.6
	30S	7.6	0.39	6.4	13.3	15.4
2.5	18S	5.6	0.33	5.5	21.5	24.8
	22S	6.2	0.35	5.8	18.2	21.0
	26S	7.6	0.39	6.5	13.4	15.5
	30S	8.4	0.40	6.7	11.4	13.2
3.0	18S	6.0	0.36	6.1	20.2	23.3
	22S	6.6	0.38	6.3	17.3	20.0
	26S	8.0	0.45	7.5	13.8	16.0
	30S	9.1	0.42	7.1	10.4	12.0
3.5	18S	6.4	0.41	6.9	19.8	22.9
	22S	7.1	0.41	6.9	16.6	19.1
	26S	8.8	0.48	8.0	12.3	14.3
	30S	9.5	0.46	7.6	10.2	11.7
4.0	18S	6.9	0.45	7.4	18.8	21.7
	22S	7.5	0.45	7.4	15.8	18.3
	26S	8.8	0.53	8.9	13.6	15.7
	30S	9.9	0.49	8.2	9.9	11.5
4.5	18S	7.0	0.49	8.2	19.9	23.0
	22S	7.6	0.49	8.2	16.9	19.5
	26S	8.8	0.59	9.9	15.2	17.5
	30S	10.4	0.57	9.5	10.6	12.2
5.0	18S	7.2	0.53	8.9	20.8	24.0
	22S	7.8	0.53	8.9	17.7	20.4
	26S	8.8	0.65	10.9	16.7	19.3
	30S	10.7	0.65	10.9	11.5	13.3
5.5	18S	7.6	0.57	9.4	19.6	22.6
	22S	8.2	0.57	9.4	16.8	19.4
	26S	8.8	0.70	11.7	18.0	20.8
	30S	10.7	0.70	11.7	12.3	14.3

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5500 Cutaway

5500 Series Nozzles

8005 Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
50	● 04	39	3.8	0.48	0.56
	● 06	45	5.6	0.53	0.62
	● 08	49	6.6	0.53	0.61
	● 10	53	9.3	0.64	0.74
	● 12	57	11.1	0.66	0.76
	● 14	59	12.6	0.70	0.81
	● 16	61	14.3	0.74	0.85
	● 18	63	16.1	0.78	0.90
	● 20	65	18.6	0.85	0.98
	● 22	65	20.7	0.94	1.09
	● 24	63	22.3	1.08	1.25
	○ 26	65	24.3	1.11	1.28
60	● 04	39	3.8	0.48	0.56
	● 06	45	6.1	0.58	0.67
	● 08	49	8.4	0.67	0.78
	● 10	53	10.1	0.69	0.80
	● 12	59	12.0	0.66	0.77
	● 14	61	14.3	0.74	0.85
	● 16	65	15.9	0.72	0.84
	● 18	65	17.8	0.81	0.94
	● 20	67	20.1	0.86	1.00
	● 22	71	23.2	0.89	1.02
	● 24	69	24.7	1.00	1.15
	○ 26	73	26.7	0.96	1.11
70	● 04	39	4.7	0.60	0.69
	● 06	45	6.7	0.64	0.74
	● 08	49	9.0	0.72	0.83
	● 10	55	11.1	0.71	0.82
	● 12	59	13.2	0.73	0.84
	● 14	63	15.3	0.74	0.86
	● 16	67	17.2	0.74	0.85
	● 18	67	19.3	0.83	0.96
	● 20	71	22.0	0.84	0.97
	● 22	73	25.2	0.91	1.05
	● 24	75	27.0	0.92	1.07
	○ 26	75	29.4	1.01	1.16
80	● 04	39	5.0	0.63	0.73
	● 06	45	7.1	0.68	0.78
	● 08	49	9.8	0.79	0.91
	● 10	55	11.8	0.75	0.87
	● 12	61	14.2	0.73	0.85
	● 14	63	16.4	0.80	0.92
	● 16	67	18.6	0.80	0.92
	● 18	69	20.9	0.85	0.98
	● 20	71	23.9	0.91	1.05
	● 22	75	27.3	0.93	1.08
	● 24	77	29.2	0.95	1.10
	○ 26	79	31.5	0.97	1.12
90	● 12	61	14.7	0.76	0.88
	● 14	65	17.9	0.82	0.94
	● 16	69	20.0	0.81	0.93
	● 18	71	22.2	0.85	0.98
	● 20	73	25.3	0.91	1.06
	● 22	75	29.1	1.00	1.15
	● 24	79	31.0	0.96	1.10
	○ 26	79	33.7	1.04	1.20
100	● 20	75	26.8	0.85	0.97
	● 22	77	30.7	1.00	1.15
	● 24	79	32.8	1.01	1.17
	○ 26	81	36.3	1.07	1.23

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

8005 Cutaway

8005 Nozzle Performance — METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
3.5	4	11.9	0.86	14.38	12	14
	6	13.7	1.28	21.34	14	16
	8	14.9	1.59	25.50	14	16
	10	16.1	2.10	35.43	16	19
	12	17.5	2.52	42.27	16	19
	14	18.0	2.89	48.18	18	21
	16	18.7	3.28	54.59	19	22
	18	19.2	3.69	61.43	20	23
	20	19.9	4.25	70.83	21	25
	22	20.0	5.08	79.07	25	29
	24	19.3	5.11	85.10	27	32
	26	20.0	5.57	92.67	28	32
4.0	4	11.9	0.93	14.38	13	15
	6	13.7	1.37	22.71	15	17
	8	14.9	1.75	30.44	16	18
	10	16.3	2.30	37.63	17	20
	12	17.7	2.70	44.74	17	20
	14	18.5	3.17	52.85	19	21
	16	19.6	3.54	58.98	18	21
	18	19.7	3.97	66.10	20	24
	20	20.3	4.50	74.95	22	25
	22	21.3	5.23	85.94	23	27
	24	20.7	5.50	91.69	26	30
	26	21.8	6.01	99.26	25	29
4.5	4	11.9	1.00	16.18	14	16
	6	13.7	1.45	24.28	15	18
	8	14.9	1.92	32.99	17	20
	10	16.5	2.40	40.22	18	20
	12	18.0	2.87	47.81	18	20
	14	18.9	3.37	56.12	19	22
	16	20.1	3.77	62.77	19	22
	18	20.1	4.22	70.36	21	24
	20	21.1	4.79	79.87	22	25
	22	22.0	5.51	91.80	23	26
	24	22.0	5.88	98.08	24	28
	26	22.6	6.42	106.44	25	29
5.0	4	11.9	1.06	18.08	15	17
	6	13.7	1.54	25.74	16	19
	8	14.9	2.09	34.83	19	22
	10	16.7	2.50	42.68	18	21
	12	18.3	3.05	50.92	18	21
	14	19.2	3.54	58.96	19	22
	16	20.4	3.99	66.44	19	22
	18	20.6	4.47	74.58	21	24
	20	21.6	5.11	85.08	22	25
	22	22.4	5.84	97.39	23	27
	24	23.0	6.26	104.29	24	27
	26	23.2	6.80	113.28	25	29
5.5	4	11.9	1.13	18.90	16	18
	6	13.7	1.62	26.84	17	20
	8	14.9	2.25	37.02	20	23
	10	16.8	2.70	44.60	19	22
	12	18.5	3.23	53.66	19	22
	14	19.2	3.72	61.98	20	23
	16	20.4	4.22	70.28	20	23
	18	21.0	4.74	78.97	21	25
	20	21.6	5.42	90.30	23	27
	22	22.8	6.19	103.15	24	28
	24	23.5	6.62	110.33	24	28
	26	24.1	7.14	119.05	25	28
6.0	12	18.6	3.30	55.07	19	22
	14	19.6	3.96	66.06	21	24
	16	20.9	4.45	74.12	20	24
	18	21.5	4.95	82.56	21	25
	20	22.1	5.65	94.18	23	27
	22	22.9	6.71	108.12	26	30
	24	23.9	6.92	115.31	24	28
	26	24.1	7.50	125.08	26	30
6.2	14	19.8	4.06	67.75	21	24
	16	21.0	4.54	75.70	21	24
	18	21.7	5.04	84.02	21	25
6.5	20	22.5	5.89	98.19	23	27
	22	23.4	6.84	112.73	25	29
	24	24.1	7.22	120.25	25	29
	26	24.3	7.91	131.76	27	31
6.9	20	22.9	6.09	101.43	23	27
	22	23.5	6.97	116.19	25	29
	24	24.1	7.45	124.14	26	30
	26	24.7	8.24	137.39	27	31

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

8005 Rain Curtain™ Nozzles

Falcon 6504
Cutaway

Falcon® 6504 Series

Reliable and Economical

- Greener grass with less water – Rain Curtain™ Nozzles deliver superior performance
- Easy installation and adjustment with a ratcheting stem
- The perfect solution for quick watering or wet-down of clay tennis courts or sports turf infield areas with the optional high-speed version (full rotation in approximately one minute)

Features

- **Rain Curtain™ Nozzle Technology**
  - Color coded Rain Curtain™ Nozzles with multiple ports for optimal long-range, mid-range, and close-in watering resulting in superior uniformity
  - Nozzles are interchangeable from the front with no special tools
- **Installation and Maintenance**
  - Ratcheting stem speeds installation
  - Easy arc adjustment (part-circle model) through top of rotor from 40° to 360°
  - Self-adjusting stator does not require replacement when changing nozzles
  - Radius adjustment screw allows radius reduction up to 25% without changing nozzles
  - Falcon rotors can be ordered in case quantities from the factory with nozzles pre-installed as a special order
- **Design Solutions**
  - Stainless steel riser option helps deter vandalism on public turf areas
  - Removable Seal-A-Matic™ (SAM) check device prevents puddling and erosion caused by low-head drainage
  - Standard black rubber cover or optional purple rubber cover for non-potable water
  - Small 2" (5.1 cm) exposed diameter reduces possibility of injury in play areas
  - High speed option for syringing infield areas or dust control
  - True 4" (10.2 cm) pop-up height to center line of nozzle clears taller turfgrass
- **Durability**
  - Five-year trade warranty
  - Water-lubricated gear drive for reliable, durable rotation
  - Heavy-duty, stainless steel retract spring ensures positive pop-down
  - Patented, pressure-activated wiper seal and tapered riser stem on both plastic and stainless steel models protect internals from debris to ensure positive pop-up and retraction
  - Stainless steel trip gears ensure long-term durability

How To Specify

NP
or
F4- PC- SS- HS- 16- P

- **Model** F4: Falcon
- **Rotation** Part-circle
- **Optional Feature** Stainless steel riser
- **Optional Features** Non-potable cover or, High-speed rotor
- **Nozzle Size** 16
- **Optional Feature** Pre-installed Nozzle

Note: For non-U.S. applications, it is necessary to specify NPT or BSP thread type.

Falcon 6504

Falcon 6504
Stainless Steel

Falcon® 6504 Series (cont.)

Operating Range

- Precipitation rate: 0.37 to 1.14 inches per hour (9 to 29 mm/h)
- Radius: 39 to 65 feet (11.9 to 19.8 m)
- Pressure: 30 to 90 psi (2.1 to 6.2 bar)
- Flow: 2.9 to 21.7 gpm (0.66 to 4.93 m³/h; 10.8 to 82.2 l/m)

Specifications

- 1" (26/34) female NPT or BSP threaded inlet
- SAM check device holds up to 10 feet (3.1 m) of elevation change
- Rain Curtain™ Nozzles: 04-black; 06-light blue; 08-dark green; 10-grey; 12-beige; 14-light green; 16-dark brown; 18-dark blue
- Nozzle outlet trajectory is 25°

Dimensions

- Overall height: 8½" (21.6 cm)
- Pop-up height: 4" (10.2 cm)
- Exposed surface diameter: 2" (5.1 cm)

Note: *Pop-up height is measured from cover to center of nozzle. Overall body height is measured popped down*

Models

- F4-FC: Full-circle
- F4-PC: Part-circle
- F4-FC-NP: Full-circle, non-potable cover
- F4-PC-NP: Part-circle, non-potable cover
- F4-FC-SS: Full-circle, stainless steel
- F4-PC-SS: Part-circle, stainless steel
- F4-FC-SS-HS: Full-circle, stainless steel, high speed rotation
- F4-PC-SS-HS: Part-circle, stainless steel, high speed rotation
- F4-FC-SS-NP: Full-circle, stainless steel, non-potable cover
- F4-PC-SS-NP: Part-circle, stainless steel, non-potable cover

Note: *All models available with BSP threads*

Falcon® 6504 Rain Curtain™ Nozzles

Falcon® 6504 Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
30	4	39	2.9	0.37	0.42
	6	43	4.2	0.44	0.50
40	4	41	3.3	0.38	0.44
	6	45	4.9	0.47	0.54
	8	49	6.6	0.53	0.61
	10	51	8.1	0.60	0.69
	12	53	9.7	0.66	0.77
	14	55	11.3	0.72	0.83
	16	55	12.6	0.80	0.93
	18	59	13.7	0.76	0.87
50	4	41	3.7	0.42	0.49
	6	49	5.5	0.44	0.51
	8	51	7.4	0.55	0.63
	10	53	9.1	0.62	0.72
	12	55	11.0	0.70	0.81
	14	59	12.7	0.70	0.81
	16	61	14.3	0.74	0.85
	18	59	15.4	0.85	0.98
60	4	41	4.0	0.46	0.53
	6	47	6.0	0.52	0.60
	8	51	8.2	0.61	0.70
	10	55	10.0	0.64	0.73
	12	57	12.2	0.72	0.83
	14	61	14.0	0.72	0.84
	16	63	15.7	0.76	0.88
	18	63	17.1	0.83	0.96
70	4	41	4.4	0.50	0.58
	6	49	6.3	0.51	0.58
	8	51	8.9	0.66	0.76
	10	57	10.8	0.64	0.74
	12	59	13.2	0.73	0.84
	14	61	15.2	0.79	0.91
	16	63	16.9	0.82	0.95
	18	65	18.3	0.83	0.96
80	4	43	4.6	0.48	0.55
	6	49	6.9	0.55	0.64
	8	53	9.4	0.64	0.74
	10	55	11.6	0.74	0.85
	12	61	14.0	0.72	0.84
	14	61	16.2	0.84	0.97
	16	63	18.1	0.88	1.01
	18	65	19.6	0.89	1.03
90	18	65	21.7	0.99	1.14

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1. See page 224 for complete ASAE Test Certification Statement.

Falcon® 6504 Nozzle Performance — METRIC

Pressure bar	Nozzle	Radius m	Flow m³/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
2.1	4	11.9	0.66	10.98	9	11
	6	13.1	0.95	15.90	11	13
2.5	4	12.3	0.72	11.92	10	11
	6	13.5	1.05	17.56	12	13
	8	14.9	1.50	25.20	13	16
	10	15.5	1.84	30.60	15	18
	12	16.2	2.20	36.60	17	19
	14	16.8	2.57	42.60	18	21
	16	16.8	2.86	47.40	20	24
	18	18.0	3.11	51.60	19	22
3.0	4	12.5	0.78	13.02	10	12
	6	14.1	1.16	19.34	12	13
	8	15.1	1.56	26.04	14	16
	10	15.8	1.92	31.99	15	18
	12	16.4	2.31	38.44	17	20
	14	17.2	2.68	44.63	18	21
	16	17.4	3.00	49.95	20	23
	18	18.0	3.25	54.11	20	23
3.5	4	12.5	0.85	14.09	11	13
	6	14.9	1.26	20.96	11	13
	8	15.5	1.69	28.24	14	16
	10	16.2	2.08	34.70	16	18
	12	16.8	2.52	41.98	18	21
	14	18.0	2.91	48.45	18	21
	16	18.6	3.27	54.53	19	22
	18	18.1	3.53	58.78	22	25
4.0	4	12.5	0.89	14.91	11	13
	6	14.4	1.34	22.33	13	15
	8	15.5	1.83	30.44	15	17
	10	16.6	2.23	37.17	16	19
	12	17.3	2.72	45.28	18	21
	14	18.5	3.12	52.01	18	21
	16	19.1	3.50	58.37	19	22
	18	19.0	3.81	63.45	21	24
4.5	4	12.5	0.96	15.94	12	14
	6	14.6	1.40	16.72	13	15
	8	15.5	1.95	32.43	16	19
	10	17.1	2.37	39.44	16	19
	12	17.7	2.89	48.17	18	21
	14	18.6	3.32	55.38	19	22
	16	19.2	3.71	61.82	20	23
	18	19.5	4.03	67.12	21	24
5.0	4	12.7	1.01	16.84	13	15
	6	14.9	1.47	15.08	13	15
	8	15.7	2.05	34.16	17	19
	10	17.2	2.50	41.64	17	19
	12	18.1	3.04	50.72	19	21
	14	18.6	3.51	58.49	20	23
	16	19.2	3.91	65.11	21	24
	18	19.8	4.23	70.51	22	25
5.5	4	13.1	1.04	17.39	12	14
	6	14.9	1.56	25.79	14	16
	8	16.1	2.13	35.54	16	19
	10	16.8	2.63	43.84	19	22
	12	18.6	3.18	52.92	18	21
	14	18.6	3.67	61.23	21	25
	16	19.2	4.10	68.40	22	26
	18	19.8	4.44	74.07	23	26
6.0	18	19.8	4.79	79.77	24	28
6.2	18	19.8	4.93	82.13	25	29

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

High-Speed Falcon® 6504 Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
30	4	37	3.0	0.42	0.49
	6	39	4.3	0.54	0.63
40	4	41	3.5	0.40	0.46
	6	43	6.0	0.62	0.72
	8	47	6.6	0.58	0.66
	10	47	8.1	0.71	0.82
	12	49	9.9	0.79	0.92
	14	53	11.4	0.78	0.90
	16	51	12.6	0.93	1.08
	18	53	13.9	0.95	1.10
50	4	41	3.7	0.42	0.49
	6	45	5.6	0.53	0.62
	8	49	7.5	0.60	0.69
	10	49	9.2	0.74	0.85
	12	53	11.2	0.77	0.89
	14	53	12.9	0.88	1.02
	16	53	14.3	0.98	1.13
	18	55	15.6	0.99	1.15
60	4	41	4.2	0.48	0.56
	6	45	6.2	0.59	0.68
	8	47	8.3	0.72	0.84
	10	49	10.2	0.82	0.94
	12	53	12.4	0.85	0.98
	14	53	14.2	0.97	1.12
	16	55	15.7	1.00	1.15
	18	59	17.2	0.95	1.10
70	4	41	4.6	0.53	0.61
	6	43	6.7	0.70	0.81
	8	49	9.0	0.72	0.83
	10	51	11.1	0.82	0.95
	12	55	13.5	0.86	0.99
	14	53	15.3	1.05	1.21
	16	57	17.1	1.01	1.17
	18	59	18.6	1.03	1.19
80	4	39	4.9	0.62	0.72
	6	43	7.1	0.74	0.85
	8	51	9.7	0.72	0.83
	10	49	11.9	0.95	1.10
	12	55	14.4	0.92	1.06
	14	53	16.5	1.13	1.31
	16	59	18.4	1.02	1.18
	18	59	20.0	1.11	1.28
90	18	61	21.3	1.10	1.27

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

High-Speed Falcon® 6504 Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
2.1	4	11.3	0.68	11.35	11	12
	6	11.9	0.98	15.90	14	16
2.5	4	12.0	0.75	12.54	10	12
	6	12.7	1.22	20.16	15	18
	8	14.2	1.49	25.20	15	17
	10	14.2	1.83	30.60	18	21
	12	14.8	2.24	37.20	20	24
	14	16.0	2.58	43.20	20	23
	16	15.4	2.85	47.40	24	28
	18	16.0	3.15	52.80	24	28
3.0	4	12.5	0.81	13.51	10	12
	6	13.3	1.33	22.18	15	17
	8	14.5	1.57	26.18	15	17
	10	14.5	1.93	32.12	18	21
	12	15.4	2.35	39.20	20	23
	14	16.2	2.71	48.09	21	24
	16	15.8	3.00	49.95	24	28
	18	16.4	3.29	54.87	25	28
3.5	4	12.5	0.85	14.15	11	13
	6	13.7	1.28	21.37	14	16
	8	14.9	1.72	28.62	16	18
	10	14.9	2.11	35.11	19	22
	12	16.2	2.56	42.74	20	23
	14	16.2	2.95	49.20	23	26
	16	16.2	3.27	54.53	25	29
	18	16.9	3.57	59.51	25	29
4.0	4	12.5	0.93	15.52	12	14
	6	13.7	1.38	23.02	15	17
	8	14.4	1.85	30.81	18	21
	10	14.9	2.27	37.86	20	24
	12	16.2	2.76	46.03	21	24
	14	16.2	3.17	52.77	24	28
	16	16.6	3.50	58.37	25	29
	18	17.7	3.83	63.90	24	28
4.5	4	12.5	1.00	16.69	13	15
	6	13.4	1.48	24.46	16	19
	8	14.6	1.97	32.81	18	21
	10	15.3	2.42	40.40	21	24
	12	16.5	2.95	49.13	22	25
	14	16.2	3.36	55.94	26	30
	16	17.1	3.73	62.22	26	30
	18	18.0	4.07	67.89	25	29
5.0	4	12.3	1.06	17.70	14	16
	6	13.1	1.56	25.74	18	21
	8	15.1	2.08	34.73	18	21
	10	15.4	2.57	42.78	22	25
	12	16.8	3.12	51.96	22	26
	14	16.2	3.54	59.06	27	31
	16	17.5	3.96	65.96	26	30
	18	18.0	4.30	71.74	27	31
5.5	4	11.9	1.11	18.52	16	18
	6	13.1	1.61	26.84	19	22
	8	15.5	2.20	36.65	18	21
	10	14.9	2.70	44.97	24	28
	12	16.8	3.27	54.43	23	27
	14	16.2	3.74	62.35	29	33
	16	18.0	4.17	69.53	26	30
	18	18.0	4.53	75.58	28	32
6.0	18	18.4	4.75	79.16	28	32
6.2	18	18.6	4.84	80.62	28	32

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 collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

2045A Maxi-Paw™ / Maxi-Paw SAM

Dirty Water Applications - Spacing Up to 45 Feet (13.7 m)

- Flexibility – Straight-through flow for dirty water applications
- Reliability – Proven impact drive
- Performance – Five interchangeable, color-coded MPR nozzles

Features

- **Installation and Maintenance**
  - No tools required to change nozzles
  - Serviceable through the top of the case
- **Design Solutions**
  - Two interchangeable low-angle (LA) nozzles (optional)
  - Double-weighted arm for slower rotation and increased distance of throw
  - Adjustable arm spring for low-pressure and low-gallonage operation
  - Energy efficient, low-pressure and low-gallonage operation
  - Full-circle or adjustable arc 20° to 340°
  - Precision Jet Tube (PJ™)
  - Distance controller diffuser pin
  - FP trip for full- or part-circle operation
  - Combination 1/2" (15/21) or 3/4" (20/27) bottom inlet
- **Durability**
  - Heavy-duty plastic case with sturdy, reinforced ribbed design
  - Self-flushing inner trip with improved inner trip lever
  - Powerful reverse action
  - Hooded bearing for longer life
  - Multi-function, pressure-activated wiper seal
  - Inlet filter screen

Options

- Internal Seal-A-Matic™ (SAM) prevents puddling and erosion caused by low-head drainage and saves water (hold back 10' (3.1 m) or head)
- Purple cover for easy identification of non-potable systems

Operating Range

- Precipitation rate: 0.23 to 1.05 inches per hour (5.8 to 26.6 mm/h)
- Spacing: 22 to 45 feet (6.7 to 13.7 m)
- Flow rate: 1.5 to 8.4 gpm (0.36 to 1.86 m^3/h; 0.6 to 31.2 l/m)
- Radius: 22 to 45 feet (6.7 to 13.7 m)
- Pressure: 25 to 60 psi (2.0 to 4.5 bar)

Specifications

- Combination ½" (15/21) or ¾" (20/27) female bottom inlet
- ½" (15/21) female side inlet
- Nozzles: 06-red; 07-black; 08-blue; 10-yellow; 12-beige
- Low angle nozzles: 07LA-black; 10LA-yellow (optional)
- Nozzle outlet trajectory is 23°
- Low angle nozzle outlet trajectory is 11°
- Side inlet installation is not recommended in freezing climates

Dimensions

- Overall height: 9 3/10" (23.6 cm)
- Top diameter: 5" (12.7 cm)

Models

- 2045A Maxi-Paw
- 2045A Maxi-Paw-SAM
- 2045A Maxi-Paw-SAM-NP

Available Nozzles

- Standard trajectory: 06, 07, 08, 10, 12
- Low angle: 07LA, 10LA

2045A Maxi-Paw

Maxi-Paw® Wrench

- For removing internal assembly from case

Model

- 42064

42064

How To Specify

2045A- SAM-10- LA

- 2045A: Model — 2045A Maxi-Paw
- SAM: Optional Feature — SAM
- 10: Nozzle Size — 10
- LA: Optional Feature — Low Angle Nozzle

Water Saving

With its straight through water flow and few moving parts, the Maxi-Paw provides superior water distribution in the harshest water conditions.

Maxi-Paw™ / Maxi-Paw SAM Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	06	-	-	-	-
	07 LA	22	1.5	0.60	0.69
	07	32	2.2	0.41	0.48
	08	35	2.8	0.44	0.51
	10 LA	25	3.4	1.05	1.21
	10	38	4.2	0.56	0.65
	12	39	5.5	0.70	0.80
35	06	37	2.0	0.28	0.32
	07 LA	23	1.9	0.69	0.80
	07	37	2.7	0.38	0.44
	08	38	3.3	0.44	0.51
	10 LA	29	4.0	0.92	1.06
	10	41	4.8	0.55	0.64
	12	42	6.3	0.69	0.79
45	06	38	2.3	0.31	0.35
	07 LA	25	2.1	0.65	0.75
	07	39	3.0	0.38	0.44
	08	40	3.7	0.45	0.51
	10 LA	31	4.5	0.90	1.04
	10	42	5.4	0.59	0.68
	12	44	7.1	0.71	0.82
55	06	38	2.5	0.33	0.39
	07 LA	25	2.3	0.71	0.82
	07	41	3.3	0.38	0.44
	08	41	4.1	0.47	0.54
	10 LA	32	5.0	0.94	1.09
	10	43	6.0	0.62	0.72
	12	45	7.9	0.75	0.87
60	06	38	2.6	0.35	0.40
	07 LA	25	2.4	0.74	0.85
	07	41	3.5	0.40	0.46
	08	42	4.2	0.46	0.53
	10 LA	32	5.4	1.02	1.17
	10	44	6.4	0.64	0.74
	12	45	8.4	0.80	0.92

Precipitation rates based on half-circle operation

■ *Square spacing based on 50% diameter of throw*

▲ *Triangular spacing based on 50% diameter of throw*

Maxi-Paw™ / Maxi-Paw SAM Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
2.0	6	-	-	-	-	-
	07 LA	6.8	0.38	6.0	16	19
	7	10.4	0.55	9.0	10	12
	8	11.0	0.68	11.4	11	13
	10 LA	8.1	0.83	13.8	25	29
	10	11.9	1.01	16.8	14	16
	12	12.3	1.32	22.2	18	20
2.5	6	11.3	0.46	7.8	7	8
	07 LA	7.1	0.44	7.2	17	20
	7	11.4	0.62	10.2	10	11
	8	11.7	0.76	12.6	11	13
	10 LA	8.9	0.92	15.6	23	27
	10	12.5	1.11	18.6	14	16
	12	12.9	1.45	24.0	18	20
3.0	6	11.5	0.51	8.4	8	9
	07 LA	7.5	0.47	7.8	17	19
	7	11.8	0.67	11.4	10	11
	8	12.1	0.83	13.8	11	13
	10 LA	9.4	1.01	16.8	23	27
	10	12.8	1.21	20.4	15	17
	12	13.3	1.59	26.4	18	21
3.5	6	11.6	0.55	9.0	8	9
	07 LA	7.6	0.50	8.4	17	20
	7	12.2	0.72	12.0	10	11
	8	12.4	0.89	15.0	12	13
	10 LA	9.6	1.09	18.0	23	27
	10	13.0	1.30	21.6	15	18
	12	13.6	1.72	28.8	19	21
4.0	6	11.6	0.58	9.6	9	10
	07 LA	7.6	0.54	9.0	18	21
	7	12.5	0.78	13.2	10	11
	8	12.7	0.94	15.6	12	14
	10 LA	9.8	1.19	19.8	25	29
	10	13.3	1.42	23.4	16	19
	12	13.7	1.86	31.2	20	23

Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

2045A Maxi-Paw Nozzles

TSJ/TSJ-PRS Series

Swing Joints Connect ¾" (1.9 cm), 1" (2.5 cm) and 1½" (3.8 cm) Rotors or Quick Coupler Valves to Lateral Pipes

- Patented swept elbow design minimizes turbulence and pressure loss while maximizing rotor performance
- No sharp inner corners (as some competitors have)
- No internal obstructions (as some competitors have)

Features

- Preassembled units save the contractor time and reduce installation costs
- The structural integrity from the swept elbow design reduces costs associated with fatigue-related failures
- Oversized threaded inlets, extra large grips, and large visible stops make hand tightening trouble-free
- Patented double O-rings provide extra protection against leaks and keep threads clean of debris during installation
- Patented low pressure relief vent prevents pressure from building up between the primary and secondary O-rings when the swing joint is assembled in water, eliminating blown O-rings
- Built to last from rigid PVC Type I, cell classifi cation 12454-B, conforming to ASTM D1784. All NPT threads, sockets, and spigots are PVC Schedule 80 per ASTM D2464 and D2467

TSJ-PRS Only Features

- Maintains a constant, uniform pressure into the rotor regardless of nozzle used:
  - 45 psi (3.1 bar) for ¾" swing joint
  - 70 psi (4.8 bar) for 1" swing joint
- Allows each rotor on a zone to operate at the same pressure, improving consistency and overall system performance
- Reduces misting, fogging, and other performance problems caused by high pressure
- Regulator housing is made of PVC that matches the high pressure rating of the Rain Bird turf swing joint and exceeds the pressure rating of rotors
- Diaphragm is made of a durable fabric reinforced elastomer for long life
- Porous filter provides atmospheric reference without allowing contamination to enter, enabling the system to be buried in any kind of soil

Operating Range

- Pressure rating: 315 psi at 73° F (21.7 bar at 22.8° C) (per ASTM D3139)
  - Tested without leakage for 60 minutes at 790 psi (54,5 bar)
  - Tested without leakage for short term exposure at 1000 psi (68,9 bar)
- ¾" joint pressure loss: 0.3 psi at 6 gpm (0.02 bar at 0.4 l/s)
- 1 " joint pressure loss: 1.5 psi at 18 gpm; 2.5 psi at 23 gpm (0.1 bar at 1,1 l/s; 0.2 bar at 1.5 l/s)
- 1½" joint pressure loss: 0.5 psi at 40 gpm; 1.6 psi at 70 gpm (0.03 bar at 2,5 l/s; 0.1 bar at 4,4 l/s)
- TSJ-PRS maximum flow: 22 gpm (1.41 l/s)
- High operating pressure rating (315 psi; 21.6 bar) is perfect for use in constant pressure situations
- Spigot inlet available on 1" (2.5 cm) swing joints
- See charts for pressure loss comparison and pressure regulation

TSJ-PRS Application Information

- The TSJ-PRS is not recommended for use in systems where the pressure in the lateral lines is equal to or less than the nominal regulation pressure, as the increased pressure drop may adversely affect the performance of such systems.
- To reduce the effects of water hammer, Rain Bird recommends flow rates in the supply line not exceed 5 ft/sec (1.5 m/s). The TSJ-PRS is not intended to function as a water hammer prevention device.
- There are no user-serviceable parts inside. The internal spring is under compression. Do not open the PRS unit under any circumstances.

Models

- TSJ-12075: 12" (30.5 cm) long, ¾" (20/27) M x M NPT swing joint
- TSJ-12: 12" (30.5 cm) long, 1" (26/34) M x M NPT swing joint
- TSJ-12150: 12" (31 cm) long, 1 ½" (40/49) M x M NPT swing joint
- TSJ-18: 18" (45.7 cm) long, 1" (26/34) M x M NPT swing joint
- TSJ-075-PRS: ¾" swing joint with 45 psi pressure regulator, 12" (30.5 cm) long, ¾" (20/27) M x M NPT inlet and outlet
- TSJ-100-PRS: 1" swing joint with 70 psi pressure regulator, 12" (30.5 cm) long, 1" (26/34) M x M NPT inlet and outlet

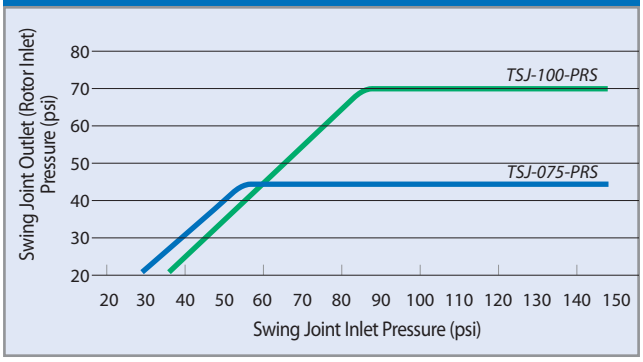
TSJ-075-PRS, TSJ-100-PRS

TSJ-12075, TSJ-12, TSJ-12150, TSJ-18

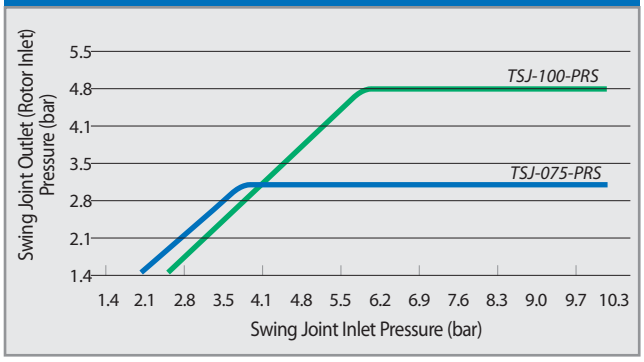
Water Saving

TSJ-PRS Series conserves water by reducing misting, fogging, and other performance problems caused by high pressure systems

TSJ-PRS Pressure Regulation



TSJ-PRS Pressure Regulation METRIC



Swing Joint Specifications

Model Number	Length		Inlet		Outlet		Thread	Pressure Regulation	
	US	METRIC	US	METRIC	US	METRIC		US	METRIC
TSJ-12075	12"	30.5 cm	¾" M	20/27 M	¾" M	20/27 M	NPT	n/a	n/a
TSJ-12	12"	30.5 cm	1" M	26/34 M	1" M	26/34 M	NPT	n/a	n/a
TSJ-12-150	12"	30.5 cm	1½" M	40/49 M	1½" M	40/49 M	NPT	n/a	n/a
TSJ-18	18"	45.7 cm	1" M	26/34 M	1" M	26/34 M	NPT	n/a	n/a
TSJ-075-PRS	12"	30.5 cm	¾" M	20/27 M	¾" M	20/27 M	NPT	45 psi	45 psi
TSJ-100-PRS	12"	30.5 cm	1" M	26/34 M	1" M	26/34 M	NPT	70 psi	70 psi

Holdup Tool with Bubble Level

Features

- Combination holdup tool/ bubble level makes proper installation easier
- Works with 5000, 5500, Falcon® 6504, and 8005

HOLDUPTOOL

ROTORTOOL

Features

- Flat blade screwdriver and pull-up tool all in one

Model

- ROTORTOOL

ROTORTOOL

Online Water-Savings Calculators

Rain Bird has several online calculators available that will help you show your customers the potential water savings of using water-efficient Rain Bird rotors and nozzles:

- 5000/5000Plus PRS Rotors
- 5000/5000Plus MPR Rotor Nozzles
- TSJ-PRS Swing Joints

Availability

www.rainbird.com/calculators

Facts About Rain Bird's Commitment to Support Water Conservation Efforts

Rain Bird has hosted 12 Intelligent Use of Water™ Summits since 2004

- Summits convene water, environmental and green industry experts from around the world to discuss strategies and initiatives in outdoor water conservation
- Past Summit locations: California; Arizona; Washington, DC; France; Spain; Australia
- View past Summit proceedings (via video and PDFs) at: http://www.rainbird.com/corporate/IUOW/summits.htm

Rain Bird presents The Intelligent Use of Water Film Competition

- Filmmakers and green industry professionals are invited to share their thoughts on responsible water use through the powerful medium of film
- The top short film submissions (1-10 minutes in length) are shown at a special screening event in LA
- Winners receive cash prizes
- To see past winning entries, go to: http://www.iuowfilm.com

Rain Bird educates our industry and our communities on water conservation

- Rain Bird has published four white papers that examine the global water crisis and explore potential solutions
- White papers available for free at: http://www.rainbird.com/corporate/IUOW/whitepapers.htm
- Rain Bird has published two educational curricula for elementary students and their teachers on water conservation
- Curricula available for free at: http://www.rainbird.com/corporate/IUOW/education.htm

Rain Bird sponsors National Public Gardens Day

- In partnership with the American Public Gardens Assoc. (APGA), Rain Bird seeks to raise awareness of the role botanic gardens, arboreta, conservatories and zoological gardens play as stewards of the environment
- National spokesperson Paul James (host of HGTV's Gardening by the Yard) conducts interviews with print, TV, radio and online outlets from across the country and hosts TV and radio public service announcements focusing on public gardens' educational activities in plant management and water conservation
- Celebrated the Friday before Mother's Day
- Visit http://nationalpublicgardensday.org to learn more

Rain Bird's Intelligent Use of Water Awards provide grants to promote outdoor water conservation

- The interactive grant program awards funds to water conservation and environmental sustainability projects that promote water conservation and green spaces in communities around the world.
- Visit http://IUOWAwards.com to learn more