

Get more from every rotor with new Rapid-Adjust Technology featuring MemoryArc®. Available on new Rain Bird® 751 Golf Rotors, this innovative feature allows you to easily adjust watering on greens, fairways or roughs for unmatched versatility and more precise watering.

Thanks to Rapid-Adjust technology featuring MemoryArc®, Rain Bird® 751 Golf Rotors enable you to water your turf more precisely—and efficiently.

**FEATURES AND BENEFITS**

**Turn-of-a-Screw Flexibility:** Rain Bird® 751 Golf Rotors offer easy, top-adjustable rotation settings that retain the memory of their part-circle arc setting when shifting between full- and part-circle operation. This unique feature is designed to offer quick, dry arc adjustments not just during grow-in, but for the life of the rotor.

**Proven Rain Bird Performance:** The new Rain Bird® 700 Series features the high efficiency nozzles you've come to expect from the industry leader and delivers the best performance yet from Rain Bird golf rotors. With large droplets that cut through harsh winds and consistent pressure regulation, Rain Bird rotors deliver the even distribution you need to guarantee a healthy playing surface.

**Industry-Leading Durability:** Rain Bird 700/751 Series Golf Rotors deliver improved durability. Trust their rugged construction for year after year of reliable, hassle-free performance.

**Backward Compatibility:** New Rain Bird 700/751 Series Golf Rotors offer backward compatibility with every 700 Series EAGLE™ Rotor manufactured since 1992. Saving precious time and money is as simple as dropping new Rain Bird 700/751 Series internal assemblies into your existing rotor cases.

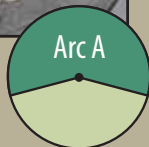
**Low Cost of Ownership:** Rain Bird Golf Rotors offer a low cost of ownership through a powerful combination of versatility, performance and durability. Install 700 and 751 Golf Rotors to optimize water consumption, simplify operation and minimize replacement, maintenance and inventory costs.

GEAR-DRIVEN ROTORS

**Introducing Rapid-Adjust Technology featuring MemoryArc®**



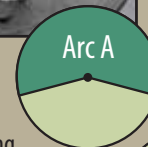
Set primary rotor arc.



Turn the Full/Part Adjustment Screw for full-circle operation.



Turn to part circle again for either Arc A or Arc B setting.



No need to adjust arc when going between full- and part-circle settings.



*Versatility with a twist. Easily shift between three arc settings to selectively water fairways, roughs—or both.*

### 700 SERIES PERFORMANCE DATA — U.S.

Base Pressure (psi)	50		60		70		80		90		100	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
<b>WIND TOLERANT NOZZLES</b>												
#16 - Gray	-	-	56	16.3	56	17.5	60	18.5	62	20.2	63	21.1
#18 - Red	-	-	58	19.0	61	20.9	65	22.3	65	23.2	65	24.2
#22 - Black	-	-	-	-	65	27.6	65	34.8	67	38.8	71	40.5
<b>DUAL SPREADER™ NOZZLES</b>												
#28 - White	57	18.0	59	19.7	59	21.3	61	22.8	61	24.1	61	25.5
#32 - Blue	61	21.9	63	22.8	65	24.5	65	27.4	67	29	67	29.6
#36 - Yellow	65	23.2	65	25.5	65	27.5	67	29.5	65	31.2	67	32.9
#40 - Orange	65	25.5	67	27.8	71	29.8	71	31.9	73	33.9	73	35.6
#44 - Green	-	-	71	30.7	69	33.0	71	35.2	75	37.5	75	39.5
#48 - Black	-	-	-	-	73	37.0	77	39.4	79	41.8	77	43.8

### 751 SERIES PERFORMANCE DATA — U.S.

Base Pressure (psi)	50		60		70		80		90		100	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
<b>WIND TOLERANT NOZZLES</b>												
#16 WTN - Gray	-	-	60	15.7	62	16.7	62	17.8	64	18.8	66	20.4
#18 WTN - Red	-	-	63	18.8	63	20.0	65	21.4	67	22.7	67	24.0
#22 WTN - Black	-	-	-	-	65	27.6	65	35.8	67	37.6	71	41.1
<b>DUAL SPREADER™ NOZZLES</b>												
#20 - Gray	35	7.0	35	7.6	37	8.1	39	8.6	-	-	-	-
#22 - Red	40	8.3	45	9.5	45	10.2	43	10.8	-	-	-	-
#28 - White	55	15.2	57	16.8	59	18.1	59	19.3	59	20.5	57	21.5
#32 - Blue	59	17.1	61	18.6	61	20	61	21.4	63	22.5	63	23.9
#36 - Yellow	61	19.1	63	20.8	65	22.6	67	24	69	25.5	69	26.5
#40 - Orange	63	21.7	67	23.8	69	25.6	71	27.5	71	28.9	71	30.7
#44 - Green	-	-	65	26.3	69	28.3	71	30.4	71	32.1	73	34.1
#48 - Black	-	-	-	-	69	31.4	73	33.7	75	35.7	73	37.7

### 700 SERIES PERFORMANCE DATA — METRIC

Base Pressure (bars)	3.4			4.1			4.8			5.5			6.2			6.9		
	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)
<b>WIND TOLERANT NOZZLES</b>																		
#16 - Gray	-	-	-	17.1	1.03	3.70	17.1	1.10	3.97	18.3	1.17	4.20	18.9	1.27	4.59	19.2	1.33	4.79
#18 - Red	-	-	-	17.7	1.20	4.32	18.6	1.32	4.75	19.8	1.41	5.06	19.8	1.46	5.27	19.8	1.53	5.50
#22 - Black	-	-	-	-	-	-	19.8	1.74	6.27	19.8	2.20	7.90	20.4	2.45	8.81	21.6	2.56	9.20
<b>DUAL SPREADER™ NOZZLES</b>																		
#28 - White	17.4	1.14	4.09	18.0	1.24	4.47	18.0	1.34	4.84	18.6	1.44	5.18	18.6	1.52	5.47	18.6	1.61	5.79
#32 - Blue	18.6	1.38	4.97	19.2	1.44	5.18	19.8	1.55	5.56	19.8	1.73	6.22	20.4	1.83	6.59	20.4	1.87	6.72
#36 - Yellow	19.8	1.46	5.27	19.8	1.61	5.79	19.8	1.73	6.25	20.4	1.86	6.70	19.8	1.97	7.09	20.4	2.08	7.47
#40 - Orange	19.8	1.61	5.79	20.4	1.75	6.31	21.6	1.88	6.77	21.6	2.01	7.25	22.3	2.14	7.70	22.3	2.25	8.09
#44 - Green	-	-	-	21.6	1.94	6.97	21.0	2.08	7.49	21.6	2.22	7.99	22.9	2.37	8.52	22.9	2.49	8.97
#48 - Black	-	-	-	-	-	-	22.3	2.33	8.40	23.5	2.49	8.95	24.1	2.64	9.49	23.5	2.76	9.95

### 751 SERIES PERFORMANCE DATA — METRIC

Base Pressure (bars)	3.4			4.1			4.8			5.5			6.2			6.9		
	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)	Radius (m)	Flow (l/s)	Flow (m³/h)
<b>WIND TOLERANT NOZZLES</b>																		
#16 WTN - Gray	-	-	-	18.3	0.99	3.57	18.9	1.05	3.79	18.9	1.12	4.04	19.5	1.19	4.27	20.1	1.29	4.63
#18 WTN - Red	-	-	-	19.2	1.19	4.27	19.2	1.26	4.54	19.8	1.35	4.86	20.4	1.43	5.16	20.4	1.51	5.45
#22 WTN - Black	-	-	-	-	-	-	19.8	1.74	6.27	19.8	2.26	8.13	20.4	2.37	8.54	21.6	2.59	9.33
<b>DUAL SPREADER™ NOZZLES</b>																		
#20 - Gray	10.7	0.44	1.59	10.7	0.48	1.73	11.3	0.51	1.84	11.9	0.54	1.95	-	-	-	-	-	-
#22 - Red	12.2	0.52	1.89	13.7	0.60	2.16	13.7	0.64	2.32	13.1	0.68	2.45	-	-	-	-	-	-
#28 - White	16.8	0.96	3.45	17.4	1.06	3.82	18.0	1.14	4.11	18.0	1.22	4.38	18.0	1.29	4.66	17.4	1.36	4.88
#32 - Blue	18.0	1.08	3.88	18.6	1.17	4.22	18.6	1.26	4.54	18.6	1.35	4.86	19.2	1.42	5.11	19.2	1.51	5.43
#36 - Yellow	18.6	1.21	4.34	19.2	1.31	4.72	19.8	1.43	5.13	20.4	1.51	5.45	21.0	1.61	5.79	21.0	1.67	6.02
#40 - Orange	19.2	1.37	4.93	20.4	1.50	5.41	21.0	1.62	5.81	21.0	1.73	6.25	21.6	1.82	6.56	21.6	1.94	6.97
#44 - Green	-	-	-	19.8	1.66	5.97	21.0	1.79	6.43	21.6	1.92	6.90	21.6	2.03	7.29	22.3	2.15	7.74
#48 - Black	-	-	-	-	-	-	21.0	1.98	7.13	22.3	2.13	7.65	22.9	2.25	8.11	22.3	2.38	8.56

All data reflects no pressure regulation.

### SPECIFICATIONS

#### Radius:

Rain Bird® 700 Series: 56' to 79' (17.1 m to 24.1 m)  
Rain Bird® 751 Series: 35' to 75' (10.7 m to 22.9 m)

#### Flow Rate:

700 Series: 16.3 to 43.9 gpm (1.03 to 2.76 l/s)  
(3.70 to 9.95 m³/h)  
751 Series: 7.0 to 37.7 gpm (0.44 to 2.38 l/s)  
(1.59 to 8.56 m³/h)

#### Arc:

700 Series: Full-circle 360°  
751 Series: Full-circle 360°; Adjustable 30° to 345°

#### Models:

##### Full-Circle:

- ✓ 700E: Electric
- 700IC: Integrated Control
- 700S/H: Combined use Stopmatic (SAM) or Hydraulic (N.O.)\*
- 700B: Seal-A-Matic™ device

##### Part-Circle:

- ✓ 751E: Electric
- 751IC: Integrated Control
- 751S/H: Combined use Stopmatic (SAM) or Hydraulic (N.O.)\*
- 751B: Seal-A-Matic™ device

#### Maximum Inlet Pressure:

Models 700/751E and IC: 150 psi (10.3 bars)  
Models 700/751S/H and B: 100 psi (6.9 bars)

Pressure Regulation Range: 60 to 100 psi  
(4.1 to 6.9 bars)

Factory Pressure Settings: 700E/IC and 751E/IC  
available in 60, 70 and 80 psi (4.1, 4.8 and 5.5 bars)

#### Dimensions:

##### Body Height:

Models E, IC, S/H: 12.0" (30.5 cm)  
Models B: 9.6" (24.5 cm)

##### Pop-Up Height to Mid-Nozzle:

Models E, IC, S/H, B: 2.6" (6.6 cm)

##### Top Diameter:

Models E, IC, S/H: 6.25" (15.9 cm)  
Models B: 4.25" (10.8 cm)

#### Rotation Time:

700 Series: 360° in ≤ 180 seconds;  
150 seconds nominally  
751 Series: 180° in ≤ 90 seconds;  
75 seconds nominally

#### Inlet Threads:

Models E, IC, S/H: 1.25" (3.2 cm) ACME  
Female Threaded  
Models B: 1" (2.5 cm) ACME Female Threaded

#### Holdback:

Block: 10' (3.1 m) of elevation  
SAM/Hydraulic: 15' (4.6 m) of elevation

#### Nozzle Trajectory: 25°

#### Maximum Stream Height: 17' (5.2 m)

Solenoid: 24 VAC solenoid power requirement: 0.41  
amp inrush current (9.8 VA); 60 cycle: 0.25 amp  
holding current (6.0 VA); 50 cycle: 0.32 amp holding  
current (7.7 VA)

Surge Resistance: Up to 20KV standard on  
electric models

✓ **Top-Serviceable Rock Screen™ and  
Replaceable Valve Seat:** On models 700E, IC,  
S/H and 751E, IC, S/H

\*N.O. — Normally open

All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions. Rain Bird recommends the use of SPACE for Windows®, equivalent program or derived performance data to optimize nozzle selection.



### 700 Series

#### HOW TO SPECIFY

<b>700</b>	<b>- X -</b>	<b>XX -</b>	<b>XX -</b>	<b>ACME</b>
Model 700	Body/ Valve E IC S/H B	Pressure Regulator 60 (4.1) 70 (4.8) 80 (5.5)		Thread Type ACME
		Nozzle		
		28		
		32		
		36		
		40		
		44		
		48		



### 751 Series

#### HOW TO SPECIFY

<b>751</b>	<b>- X -</b>	<b>XX -</b>	<b>XX -</b>	<b>ACME</b>
Model 751	Body/ Valve E IC S/H B	Pressure Regulator 60 (4.1) 70 (4.8) 80 (5.5)		Thread Type ACME
		Nozzle		
		20		
		22		
		28		
		32		
		36		
		40		
		44		
		48		

