



Chiricahua at Desert Mountain

Golf Rotors

Peace of Mind Today. Continuous Innovation for the Future.

Rain Bird builds innovation into every rotor with high-efficiency nozzles, industry-leading surge resistance and the largest throw range in a single rotor. Trusted by golf professionals everywhere, Rain Bird rotors deliver unrivaled performance and uniformity for excellent playability.

Unmatched GBS25 Protection

Delivering 25kV surge protection and built-in filtration for debris, the GBS25 Solenoid eliminates the most common maintenance tasks that plague competing rotors.

Top Serviceability

With superior performance in a smaller footprint than competing rotors and an intelligent snap-ring design for quick access to serviceable components, Rain Bird rotors have long been the perfect choice for golf courses.

EAGLE™ 900 Series Rotors

SPECIFICATIONS

Radius: 63' to 97' (19.2 m to 29.6 m)

Flow Rate: 21.4 to 57.1 gpm
(1.35 to 3.60 l/s) (4.85 to 12.97 m³/h)

Arc: Full-circle, 360°

Models:

E: Electric;
IC: Integrated Control
SAM: Stopmatic

Maximum Inlet Pressure:

Models E and IC: 150 psi (10.3 bar)
Model SAM: 100 psi (6.9 bar)

Pressure Regulation Range:

60 to 100 psi (4.1 to 6.9 bar)

Factory Pressure Settings:

Models E and IC available in 70 and 80 psi
(4.8 and 5.5 bar)

Dimensions:

Body Height: 13.4" (34.0 cm)
Pop-Up Height to Mid-Nozzle: 2.25" (5.7 cm)
Top Diameter: 7" (17.8 cm)

Nozzle Trajectory: 25°

Inlet Threads: 1.5" (3.8 cm) (15/21) ACME
female threaded

Holdback: SAM 15' (4.6 m) elevation

Rotation Time: 360° in ≤ 240 seconds;
210 seconds nominally

Maximum Stream Height: 20' (6.1 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 25kV standard
on electric models

**Top-Serviceable Rock Screen™
and Replaceable Valve Seat:**
All 900 models

HOW TO SPECIFY

A	900	X	XX	XX
THREAD TYPE ACME	MODEL 900	BODY/ VALVE E IC SAM	PRESSURE REGULATOR 70 (4.8) 80 (5.5)	NOZZLE 44 48 52 56 60 64



U.S. Performance Data

HIGH PERFORMANCE NOZZLES

Base Pressure (psi)	#44 Blue		#48 Yellow		#52 Orange		#56 Green		#60 Black		#64 Red	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
60	63	21.4	73	28.9	75	31.9	—	—	—	—	—	—
70	67	23.5	73	31.9	79	34.6	83	40.7	87	43.2	91	47.2
80	71	24.7	75	34.1	81	37.1	85	43.5	91	46.4	93	51.0
90	71	26.5	77	35.0	81	39.5	87	46.4	91	49.5	95	54.0
100	73	27.9	77	36.2	83	41.8	89	49.1	91	52.2	97	57.1

Metric Performance Data

HIGH PERFORMANCE NOZZLES

Base Pressure (bar)	#44 Blue		#48 Yellow		#52 Orange		#56 Green		#60 Black		#64 Red	
	Radius (m)	Flow (l/s) (m³/h)	Radius (m)	Flow (l/s) (m³/h)	Radius (m)	Flow (l/s) (m³/h)	Radius (m)	Flow (l/s) (m³/h)	Radius (m)	Flow (l/s) (m³/h)	Radius (m)	Flow (l/s) (m³/h)
4.1	19.2	1.35 4.85	22.3	1.82 6.56	22.9	2.01 7.25	—	—	—	—	—	—
4.5	19.8	1.42 5.11	22.3	1.89 6.81	23.5	2.10 7.57	25.0	2.48 8.94	26.2	2.63 9.47	27.4	2.88 10.35
5.0	20.7	1.50 5.40	22.4	2.00 7.22	24.2	2.22 8.00	25.5	2.61 9.40	26.8	2.78 10.00	27.9	3.04 10.94
5.5	21.6	1.55 5.59	22.8	2.14 7.72	24.7	2.34 8.41	25.9	2.74 9.87	27.7	2.92 10.52	28.3	3.21 11.56
6.0	21.6	1.64 5.90	23.3	2.19 7.88	24.7	2.45 8.81	26.3	2.87 10.34	27.7	3.20 11.86	28.8	3.35 12.06
6.5	21.9	1.71 6.16	23.5	2.24 8.06	24.9	2.55 9.19	26.8	3.00 10.80	27.7	3.20 11.86	29.2	3.49 12.57
6.9	22.3	1.76 6.35	23.5	2.28 8.22	25.3	2.64 9.49	27.1	3.10 11.15	27.7	3.29 11.86	29.6	3.60 12.97



Features	552	702	752	900	950
Radius	33' to 55' (10.1 m to 16.8 m)	59' to 77' (18.0 m to 23.5 m)	19' to 84' (5.8 m to 25.6 m)	63' to 97' (19.2 m to 29.6 m)	70' to 92' (21.3 m to 28.0 m)
Flow Rate	6.80 to 14.00 gpm (0.43 to 0.88 l/s) (1.54 to 3.18 m³/h)	16.85 to 42.85 gpm (1.06 to 2.70 l/s) (3.83 to 9.73 m³/h)	6.67 to 46.55 gpm (0.42 to 2.94 l/s) (1.54 to 10.57 m³/h)	21.4 to 57.1 gpm (1.35 to 3.60 l/s) (4.85 to 12.97 m³/h)	19.5 to 59.4 gpm (1.23 to 3.75 l/s) (4.43 to 13.49 m³/h)
Arc	Full-circle 360° Adjustable 30° to 345°	Full-circle 360°	Full-circle 360° Adjustable 30° to 345°	Full-circle 360°	Adjustable 40° to 345°
Models	Full- and Part-Circle 552B: Seal-A-Matic™	Full-Circle 702E: Electric 702IC: Integrated Control 702B: Seal-A-Matic	Full- and Part-Circle 752E: Electric 752IC: Integrated Control 752B: Seal-A-Matic	Full-Circle 900E: Electric 900IC: Integrated Control 900SAM: Stopmatic	Part-Circle 950E: Electric 950IC: Integrated Control 950SAM: Stopmatic
Maximum Inlet Pressure	100 psi (6.9 bar)	Models E and IC: 150 psi (10.3 bar) Model B: 100 psi (6.9 bar)		Models E and IC: 150 psi (10.3 bar) Model SAM: 100 psi (6.9 bar)	
Pressure Regulation Range	—	60 to 100 psi (4.1 to 6.9 bar)		60 to 100 psi (4.1 to 6.9 bar)	
Factory Pressure Settings	—	E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)		E and IC: Available in 70 and 80 psi (4.8 and 5.5 bar)	
Body Height	9.6" (24.5 cm)	Models E, IC: 12.0" (30.5 cm) Model B: 9.6" (24.5 cm)		13.4" (34.0 cm)	
Pop-Up Height	2.6" (6.6 cm)	2.6" (6.6 cm)		2.25" (5.7 cm)	
Top Diameter	4.25" (10.8 cm)	Models E, IC: 6.25" (15.9 cm) Model B: 4.25" (10.8 cm)		7" (17.8 cm)	
Nozzle Trajectory	51 Nozzle: 12° 52, 53, 54 Nozzles: 25°	Standard: 25° Wind Tolerant: 12°	Standard: 25° Wind Tolerant: 12° Low Angle: 15°	25°	
Inlet Threads	1" (25 mm) ACME female threaded	Models E, IC: 1.25" (32 mm) ACME female threaded Model B: 1" (25 mm) ACME female threaded		1.5" (38 mm) (15/21) ACME female threaded	
Holdback	17' (5.2 m) elevation	Block: 17' (5.2 m) elevation		SAM: 15' (4.6 m) elevation	
Rotation Time	180° in ≤ 90 seconds; 80 seconds nominally	360° in ≤ 180 seconds; 160 seconds nominally	180° in ≤ 90 seconds; 80 seconds nominally	360° in ≤ 240 seconds; 210 seconds nominally	180° in ≤ 120 seconds; 105 seconds nominally
Maximum Stream Height	51 Nozzle: 5' (1.5 m) 52, 53, 54 Nozzles: 13' (4.0 m)	Standard: 17' (5.2 m) Wind Tolerant: 10' (3.1 m)	Standard: 17' (5.2 m) Wind Tolerant: 10' (3.1 m) Low Angle: 12' (3.7 m)	20' (6.1 m)	
Solenoid	—	24 VAC solenoid power requirement		24 VAC solenoid power requirement	
Surge Resistance	—	Up to 25kV standard on electric models		Up to 25kV standard on electric models	
Top-Serviceable Rock Screen™ and Replaceable Valve Seat	—	E, IC		E, IC, SAM	

552/702/752 Series

Nozzle	Pressure Settings psi (bar)			
	60 (4.1)	70 (4.8)	80 (5.5)	100 (6.9)
552				
#51-Blue	SAS	SAS	SAS	SAS
#52-Beige	SAS	SAS	SAS	SAS
#53-Gray	SAS	SAS	SAS	SAS
#54-Red	N/R	SAS	SAS	SAS
702				
#28-White	SAS	SAS	SAS	SAS
#32-Blue	SAS	SAS	SAS	SAS
#36-Yellow	SAS	SAS	SAS	SAS
#40-Orange	SAS	SAS	SAS	SAS
#44-Green	SAS	SAS	SAS	SAS
#48-Black	N/R	SAS	SAS	SAS
752				
#18-Beige*	SAS	SAS	SAS	SAS
#20-Gray*	SAS	SAS	SAS	SAS
#22-Red*	SAS	SAS	SAS	SAS
#24-Plum*	SAS	SAS	SAS	SAS
#26-Lt. Green*	SAS	SAS	SAS	SAS
#28-White	SAS	SAS	SAS	SAS
#32-Blue	SAS	SAS	SAS	SAS
#36-Yellow	SAS	SAS	SAS	SAS
#40-Orange	SAS	SAS	SAS	SAS
#44-Green	SAS	SAS	SAS	SAS
#48-Black	N/R	SAS	SAS	SAS
#50-Brown	N/R	SAS	SAS	SAS

* Requires Low-Flow Valve in VIH Case Assembly

900/950 Series

Pressure Settings psi (bar)					SAM
Nozzle	60 (4.1)	70 (4.8)	80 (5.5)	100 (6.9)	
900					
#44-Blue	SPC	SPC	SPC	SPC	SPC
#48-Yellow	SPC	SPC	SPC	SPC	SPC
#52-Orange	SPC	SPO	SPO	SPO	SPO
#56-Green	N/R	SNP	SNP	SNP	SNP
#60-Black	N/R	SNP	SPR	SPR	SPR
#64-Red	N/R	SPR	SPR	SPR	SPR
950					
#18C-White	SPC	SPC	SPC	SPC	SPC
#20C-Gray	SPC	SPC	SPC	SPC	SPC
#22C-Blue	SPC	SPC	SPC	SPC	SPC
#24C-Yellow	SPC	SPC	SPO	SPO	SPO
#26-Orange	SPO	SPO	SPO	SPO	SPO
#28-Green	N/R	SNP	SPR	SPR	SPR
#30-Black	N/R	SNP	SPR	SPR	SPR
#32-Brown	N/R	SNP	SPR	SPR	SPR

Key:

SAS = Self-Adjusting Stator

SPC = Stator Poppet Closed

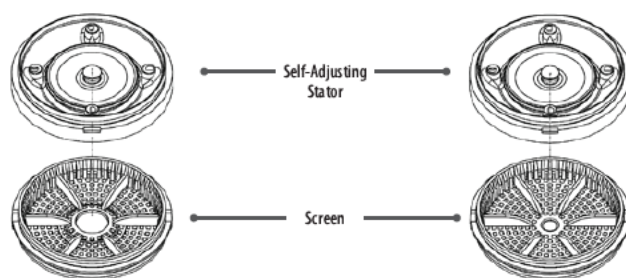
SPO = Stator Poppet Open

SNP = Stator No Poppet

SPR = Spacer

N/R = Not a recommended pressure and nozzle combination

702/752 Electric, IC



552/702/752 Block Stator

900/950 Stator

