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:** Stopamatic

Maximum Inlet Pressure:
Models E and IC: 150 psi (10.3 bars)
Model SAM: 100 psi (6.9 bars)

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

Factory Pressure Settings:
Models E and IC available in 70 and 80 psi (4.8 and 5.5 bars)

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:** 0.20 amp holding current (4.8 VA); **50 cycle:** 0.23 amp holding current (5.4 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 60 64

Features and Benefits

With up to a 97' (29.6 m) throw range, the 900 Series rotors deliver the longest throw radius coverage in a full-circle rotor. The 900 high performance nozzles allow you to reach longer distances with increased droplet size for maximum efficiency and coverage.

U.S. Performance Data

HIGH PERFORMANCE NOZZLES

Base Pressure (psi)	#44 Blue Radius (ft)	#44 Blue Flow (gpm)	#48 Yellow Radius (ft)	#48 Yellow Flow (gpm)	#52 Orange Radius (ft)	#52 Orange Flow (gpm)	#56 Green Radius (ft)	#56 Green Flow (gpm)	#60 Black Radius (ft)	#60 Black Flow (gpm)	#64 Red Radius (ft)	#64 Red 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 (bars)	#44 Blue Radius (m)	#44 Blue Flow (l/s)	#44 Blue Flow (m³/h)	#48 Yellow Radius (m)	#48 Yellow Flow (l/s)	#48 Yellow Flow (m³/h)	#52 Orange Radius (m)	#52 Orange Flow (l/s)	#52 Orange Flow (m³/h)	#56 Green Radius (m)	#56 Green Flow (l/s)	#56 Green Flow (m³/h)	#60 Black Radius (m)	#60 Black Flow (l/s)	#60 Black Flow (m³/h)	#64 Red Radius (m)	#64 Red Flow (l/s)	#64 Red Flow (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

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.