

EAGLE™ 900 Series

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:

- Full-Circle:
 - EAGLE 900E: Electric
 - EAGLE 900 IC: Integrated Control
 - EAGLE 900S/H: Combined use Stopamatic (SAM) or Hydraulic (N.O.)*

Maximum Inlet Pressure:

- Models 900E/IC: 150 psi (10.3 bars)
- Models 900S/H: 100 psi (6.9 bars)

Pressure Regulation Range:

60 to 100 psi (4.1 to 6.9 bars)

Factory Pressure Settings:

900E/IC and 950E/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/Hydraulic 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 20KV standard on electric models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat: All 900 and 950 models

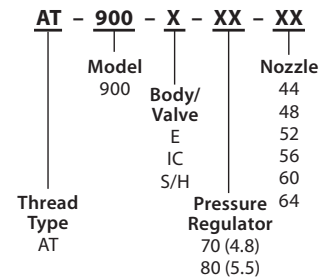
All data is generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions. Rain Bird recommends the use of SPACE for Windows®, equivalent program or derived performance data to optimize nozzle selection.

* N.O. — Normally open



● EAGLE™ 900 Series

HOW TO SPECIFY



EAGLE 900 SERIES PERFORMANCE DATA — U.S.

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

EAGLE 900 SERIES PERFORMANCE DATA — METRIC

HIGH PERFORMANCE NOZZLES

Base Pressure (bars)	#44 BLUE			#48 YELLOW			#52 ORANGE			#56 GREEN			#60 BLACK			#64 RED		
	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /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

EAGLE™ 950 Series

SPECIFICATIONS

Radius: 70' to 92' (21.3 m to 28.0 m)

Flow Rate: 19.5 to 59.4 gpm
(1.23 to 3.75 l/s) (4.43 to 13.49 m³)

Arc: 40° to 345°

Models:

Part-Circle:

EAGLE 950E: Electric

✓ EAGLE 950 IC: Integrated Control

EAGLE 950S/H: Combined use Stopmatic (SAM) or Hydraulic (N.O.)*

Maximum Inlet Pressure:

Models 950E/IC: 150 psi (10.3 bars)

Models 950S/H: 100 psi (6.9 bars)

Pressure Regulation Range:

60 to 100 psi (4.1 to 6.9 bars)

Factory Pressure Settings:

900E/IC and 950E/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/Hydraulic 15' (4.6 m) elevation

Rotation Time: 180° in ≤ 120 seconds;
105 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 20KV standard on electric models

Top-Serviceable Rock Screen™ and Replaceable Valve Seat: All 900 and 950 models

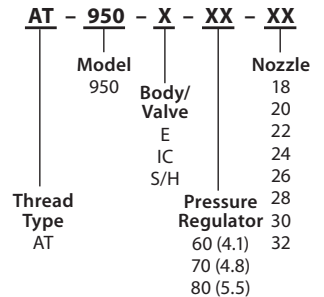
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* N.O. — Normally open



● EAGLE™ 950 Series

HOW TO SPECIFY



EAGLE 950 SERIES PERFORMANCE DATA — U.S.

nozzles

Base Pressure (psi)	#18 WHITE-C		#20 GRAY-C		#22 BLUE-C		#24 YELLOW-C		#26 ORANGE		#28 GREEN		#30 BLACK		#32 BROWN	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	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	70	19.5	72	23.0	74	26.5	76	30.8	78	36.0	—	—	—	—	—	—
70	72	21.3	74	25.1	76	28.8	80	33.5	82	38.7	84	42.9	84	47.3	84	50.4
80	74	22.9	76	27.0	80	30.9	84	36.0	84	41.5	86	47.3	86	50.4	85	53.1
90	75	24.4	78	28.7	82	32.9	88	38.4	86	43.4	89	48.5	90	52.9	88	55.6
100	76	25.8	80	30.5	84	34.6	90	40.5	88	46.7	91	52.2	92	55.8	92	59.4

EAGLE 950 SERIES PERFORMANCE DATA — METRIC

NOZZLES

Base Pressure (bars)	#18 WHITE-C			#20 GRAY-C			#22 BLUE-C			#24 YELLOW-C			#26 ORANGE			#28 GREEN			#30 BLACK			#32 BROWN			
	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	Radius (m)	Flow (l/s)	Flow (m ³ /h)	
4.1	21.3	1.23	4.43	21.9	1.45	5.22	22.6	1.67	6.02	23.2	1.94	7.00	23.8	2.27	8.18	—	—	—	—	—	—	—	—	—	—
4.5	21.7	1.29	4.64	22.3	1.52	5.48	22.9	1.75	6.29	23.8	2.03	7.32	24.4	2.36	8.50	25.2	2.62	9.44	25.2	2.90	—	25.3	3.10	11.17	
5.0	22.1	1.37	4.93	22.7	1.61	5.81	23.5	1.85	6.66	24.7	2.15	7.75	25.1	2.49	8.95	25.8	2.78	10.00	25.8	3.03	10.92	25.7	3.22	11.60	
5.5	22.5	1.44	5.19	23.2	1.70	6.12	24.4	1.95	7.01	25.6	2.27	8.16	25.6	2.61	9.41	26.2	2.98	10.72	26.2	3.18	11.43	25.9	3.35	12.05	
6.0	22.8	1.51	5.44	23.6	1.78	6.40	24.8	2.04	7.34	26.5	2.38	8.56	26.0	2.70	9.73	26.9	3.04	10.93	27.1	3.29	11.85	26.6	3.46	12.46	
6.5	23.0	1.58	5.68	24.0	1.86	6.69	25.3	2.12	7.64	27.1	2.48	8.93	26.5	2.83	10.18	27.4	3.16	11.37	27.7	3.42	12.30	27.3	3.61	13.00	
6.9	23.2	1.63	5.86	24.4	1.92	6.93	25.6	2.18	7.86	27.4	2.56	9.20	26.8	2.95	10.61	27.7	3.29	11.86	28.0	3.52	12.67	28.0	3.75	13.49	