

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

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.



HOW TO SPECIFY

A	900	X	XX	XX
THREAD TYPE	MODEL	BODY/ VALVE	PRESSURE REGULATOR	NOZZLE
ACME	900	E	70 (4.8)	44
		IC	80 (5.5)	48
		SAM		52
				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 (bars)	#44 Blue			#48 Yellow			#52 Orange			#56 Green			#60 Black			#64 Red		
	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)
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