

## 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 m<sup>3</sup>/h)

**Arc:** Full-circle, 360°

**Models:**

**E:** Electric; **IC:** Integrated Control;  
**SAM:** Stopmatic

**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 (m <sup>3</sup> /h)	Radius (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Radius (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Radius (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Radius (m)	Flow (l/s)	Flow (m <sup>3</sup> /h)	Radius (m)	Flow (l/s)	Flow (m <sup>3</sup> /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