

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

S/H: Combined use Stopamatic
(SAM) or Hydraulic (N.O.)*

Maximum Inlet Pressure:

Models E and IC: 150 psi (10.3 bars)

Model S/H: 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 80 psi
(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:

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 25kV standard
on electric models

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

*N.O. — Normally open

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

| 900 | - | X | - | XX | - | XX |
|--------------|---|----------------|---|-----------------------|---|--------|
| MODEL 900 | | BODY/ VALVE | | PRESSURE REGULATOR | | NOZZLE |
| | | E | | 80 (5.5) | | 44 |
| | | IC | | | | 48 |
| | | SH | | | | 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) (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 |

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/h)

Arc: Part-circle, 40° to 345°

Models:

E: Electric

IC: Integrated Control

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

Maximum Inlet Pressure:

Models E and IC: 150 psi (10.3 bars)

Model S/H: 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 80 psi (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 25kV standard on
electric models

Top-Serviceable Rock Screen™ and

Replaceable Valve Seat: All 950 models

*N.O. — Normally open



Features and Benefits

With up to a 92' (28.0 m) throw range, the 950 Series rotors deliver the longest throw radius coverage in a part-circle rotor. The 950 high performance nozzles allow you to reach longer distances with increased droplet size for maximum efficiency and coverage.

HOW TO SPECIFY

| 950 | X | XX | XX |
|-------|-------|-----------|--------|
| MODEL | BODY/ | PRESSURE | NOZZLE |
| 950 | VALVE | REGULATOR | |
| | E | 70 (4.8) | 18 26 |
| | IC | 80 (5.5) | 20 28 |
| | SH | | 22 30 |
| | | | 24 32 |

U.S. Performance Data

| DUAL SPREADER™ 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 |

Metric Performance Data

| DUAL SPREADER® 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 (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) | | Radius (m) | Flow (l/s) | Flow (m³/h) | | Radius (m) | Flow (l/s) | Flow (m³/h) | |
| 4.1 | 21.3 | 1.23 | 4.43 | | 21.9 | 1.45 | 5.22 | | 22.6 | 1.67 | 6.06 | | 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 | |