

SPECIFICATIONS

- Radius:** 32' to 55' (9.8 m to 16.8 m)
- Flow Rate:** 6.83 to 13.63 gpm (0.43 to 0.86 l/s); (1.55 to 3.10 m³/hr)
- Arc:** Full-circle 360°, Adjustable 30° to 345°
- Models:**
 - E:** Electric
 - IC:** Integrated Control
 - S/H:** Combined use Stopmatic (SAM) or Hydraulic (N.O.)*
 - B:** Seal-A-Matic™ device
- Maximum Inlet Pressure:**
 - Models E and IC:** 150 psi (10.3 bars)
 - Models S/H and B:** 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:**
 - Models E, IC, S/H:** 12.0" (30.5 cm)
 - Model B:** 9.6" (24.5 cm)

- Pop-Up Height to Mid-Nozzle:** 2.6" (6.6 cm)
- Top Diameter:**
 - Models E, IC, S/H:** 6.25" (15.9 cm)
 - Model B:** 4.25" (10.8 cm)
- Nozzle Trajectory:**
 - 51 Nozzle:** 12°
 - 52, 53, 54 Nozzles:** 25°
- Inlet Threads:**
 - Models E, IC, S/H:** 1.25" (3.2 cm) ACME
 - Model B:** 1" (2.5 cm) ACME
- Holdback:**
 - Block:** 10' (3.1 m) elevation
 - SAM/Hydraulic:** 15' (4.6 m) elevation
- Rotation Time:** 180° in ≤ 90 seconds; 75 seconds nominally
- Maximum Stream Height:**
 - 51 Nozzle:** 5' (1.5 m)
 - 52, 53, 54 Nozzles:** 13' (4.0 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:** Models E, IC, S/H

*N.O. — Normally open

RAPID-ADJUST TECHNOLOGY

Make easy arc adjustments with the turn of a screw. MemoryArc® feature retains two part-circle arc settings, so you can shift between full- and part-circle operation in seconds.



Step 1: Set primary rotor arc.



Step 2: Turn the Full/Part Adjustment Screw for full-circle operation.



Step 3: Turn the rotor to either Arc A or Arc B setting, then set to part-circle. No need to reset the arc when changing between full- and part-circle settings.



HOW TO SPECIFY

A	-	551	-	XX	-	XX	-	XX
THREAD TYPE		MODEL		BODY/ VALVE		PRESSURE REGULATOR		NOZZLE
ACME		551		E		70 (4.8)		51
				IC		80 (5.5)		52
				SH				53
				B				54

U.S. Performance Data

Base Pressure (psi)	50		60		70		80		90		100	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
#51-Blue	32	6.83	34	7.53	35	8.00	36	8.60	37	9.03	38	9.43
#52-Beige	38	6.57	39	7.17	40	7.90	40	8.73	40	8.80	40	9.33
#53-Gray	51	9.27	51	10.20	51	11.10	51	11.80	51	12.60	51	13.17
#54-Red	53	9.71	55	10.74	53	11.49	53	12.26	55	12.97	55	13.63

Metric Performance Data

Base Pressure (psi)	3.4			4.1			4.8			5.5			6.2			6.9		
	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)
#51-Blue	9.8	0.43	1.55	10.4	0.48	1.71	10.7	0.50	1.82	11.0	0.54	1.95	11.3	0.57	2.05	11.6	0.59	2.14
#52-Beige	11.6	0.41	1.49	11.9	0.45	1.63	12.2	0.50	1.79	12.2	0.55	1.98	12.2	0.56	2.00	12.2	0.59	2.12
#53-Gray	15.5	0.58	2.11	15.5	0.64	2.32	15.5	0.70	2.52	15.5	0.74	2.68	15.5	0.79	2.86	15.5	0.83	2.99
#54-Red	16.2	0.61	2.21	16.8	0.68	2.44	16.2	0.72	2.61	16.2	0.77	2.78	16.8	0.82	2.95	16.8	0.86	3.10