



Specifications

Models:

Full-Circle:

- EAGLE 500E:** Fast rotation, electric
- EAGLE 500H:** Fast rotation, hydraulic (N.O.)*
- EAGLE 500S:** Fast rotation, Stopamatic (SAM)
- EAGLE 500B:** Fast rotation, SEAL-A-MATIC™ device
- EAGLE 500BRC:** Fast rotation, SEAL-A-MATIC device, rubber cover

Part-Circle:

- EAGLE 550E:** Fast rotation, electric
- EAGLE 550H:** Fast rotation, hydraulic (N.O.)*
- EAGLE 550S:** Fast rotation, Stopamatic (SAM)
- EAGLE 550B:** Fast rotation, SEAL-A-MATIC device
- EAGLE 550BRC:** Fast rotation, SEAL-A-MATIC device, rubber cover

Arc:

- EAGLE 500:** Full-circle, 360°
- EAGLE 550:** Adjustable, 30° to 345°

Rotation Time:

- EAGLE 500:** 360° in ≤ 120 seconds
- EAGLE 550:** 180° in ≤ 60 seconds

Operating Pressure:

- 40 to 80 psi (2,8 to 5,5 bars)

Factory Pressure Settings:

- 500E/550E available in 60, 70, and 80 psi (4,1, 4,8 and 5,5 bars).

Inlet Threads:

- Models 500E/550E, 500S/550S, 500H/550H:** 1.25" (3,2 cm) (33/42) NPT, BSP or ACME
- Models 500B/550B, 500BRC/550BRC:** 1" (2,5 cm) (26/34) NPT, BSP, or ACME

Holdback:

- Models 500B/550B:** 10' (3,1 m) of elevation
- Models 500S/550S:** 15' (4,6 m) of elevation

Nozzle Trajectory:

- 25°

Maximum Stream Height:

- 13' (4,0 m)

Dimensions:

Body Height:

- Models 500E/550E, 500S/550S, 500H/550H:** 12.0" (30,5 cm)
- Models 500B/550B:** 9.6" (24,5 cm)
- Models 500BRC/550BRC:** 10" (25,4 cm)

Top Diameter:

- Models 500E/550E, 500S/550S, 500H/550H:** 6.25" (15,9 cm)
- Models 500B/550B:** 4.25" (10,8 cm)
- Models 500BRC/550BRC:** 4.75" (12,1 cm)

Pop-Up Heights to Nozzle:

- Models 500E/550E, 500S/550S, 500H/550H, 500B/550B:** 3.25" (8,3 cm)
- Models 500BRC/550BRC:** 2.88" (7,3 cm)

Solenoid:

- 24 VAC 50/60 cycle solenoid power requirement —.41 amp in rush current (9.9 VA), .23 amp holding current (5.5 VA)

Top-Serviceable Rock Screen™ and Replaceable Valve Seat:

- Models 500/550 E, H and S.

All data are generated from tests conducted in accordance with ASAE Standard S398.1 for at least 30 minutes in zero-wind conditions.

* N.O.—Normally open

EAGLE™ 500 Performance Data – U.S.

NOZZLES

Base Pressure (psi)	#52 BEIGE		#53 GRAY		#54 RED	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
40	33	6.0	41	7.7	45	9.3
50	35	6.6	43	8.6	47	10.3
60	35	7.2	43	9.4	47	11.2
70	35	7.7	45	10.1	47	12.0
80	35	8.3	45	10.8	47	12.8

Data reflect no pressure regulation.

EAGLE™ 550 Performance Data – U.S.

NOZZLES

Base Pressure (psi)	#52 BEIGE		#53 GRAY		#54 RED	
	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)
40	33	6.0	41	7.7	45	9.3
50	35	6.6	41	8.6	47	10.3
60	35	7.2	43	9.4	49	11.2
70	35	7.7	43	10.1	49	12.0
80	37	8.3	43	10.8	49	12.8

Data reflect no pressure regulation.

EAGLE™ 500 Performance Data – Metric

NOZZLES

Base Pressure (bars)	#52 BEIGE			#53 GRAY			#54 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)
2,8	10,1	0,38	1,36	12,5	0,49	1,75	13,7	0,59	2,11
3,0	10,3	0,39	1,41	12,7	0,51	1,82	13,9	0,61	2,19
3,5	10,7	0,42	1,51	13,1	0,55	1,97	14,3	0,65	2,36
4,0	10,7	0,45	1,61	13,1	0,58	2,10	14,3	0,70	2,50
4,5	10,7	0,47	1,70	13,4	0,62	2,22	14,3	0,73	2,64
5,0	10,7	0,50	1,78	13,7	0,65	2,33	14,3	0,77	2,77
5,5	10,7	0,52	1,89	13,7	0,68	2,45	14,3	0,81	2,91

Data reflect no pressure regulation.

EAGLE™ 550 Performance Data – Metric

NOZZLES

Base Pressure (bars)	#52 BEIGE			#53 GRAY			#54 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)
2,8	10,1	0,38	1,36	12,5	0,49	1,75	13,7	0,59	2,11
3,0	10,3	0,39	1,41	12,5	0,51	1,82	13,9	0,61	2,19
3,5	10,7	0,42	1,51	12,5	0,55	1,97	14,4	0,65	2,36
4,0	10,7	0,45	1,61	12,9	0,58	2,10	14,8	0,70	2,50
4,5	10,7	0,47	1,70	13,1	0,62	2,22	14,9	0,73	2,64
5,0	10,8	0,50	1,78	13,1	0,65	2,33	14,9	0,77	2,77
5,5	11,3	0,52	1,89	13,1	0,68	2,45	14,9	0,81	2,91

Data reflect no pressure regulation.