

MODELS

D50C25A*

1" Full Circle Rotor with Check Valve, Acme

D50E2570A*

1" Full Circle Rotor, Electric VIH, Acme

D50H25A*

1" Full Circle Rotor, Hydraulic VIH, Acme

D50B25A*

1" Full Circle Block Rotor, with Check Valve Acme

* Pressure Regulation

(Electric Model Only)

60, 70 (Standard Pressure), or 80 PSI

*Inlet thread availability; NPT, BSP, or Acme
(standard stocking item)

*Re-Claimed Water Versions Available

D55C25A*

1" Part Circle Rotor with Check Valve, Acme

D55E2570A*

1" Part Circle Rotor, Electric VIH, Acme

D55H25A*

1" Part Circle Rotor, Hydraulic VIH, Acme

D55B25A*

1" Part Circle Block Rotor, with Check Valve, Acme

D55XC2514A*

1" X-Series Rotor, with Check Valve, Acme

D55XE251470A*

1" X-Series Rotor, Electric VIH, Acme

D55XH2514A*

1" X-Series Rotor, Hydraulic VIH, Acme

* Pressure Regulation

(Electric Model Only)

60, 70 (Standard Pressure), or 80 PSI

*Inlet thread availability; NPT, BSP, or Acme
(standard stocking item)

*Re-Claimed Water Versions Available



SPECIFICATIONS

OPERATING RANGE:

50-80 psi (3,4 – 5,5 bar)

MAXIMUM PRESSURE:

100 psi (6,9 bar)

MINIMUM PRESSURE:

40 psi (2,7 bar)

DISCHARGE:

11.0 to 31.3 gpm (2,49 – 7,11 m³/hr)

POP-UP HEIGHT:

4" (10 cm)

BODY HEIGHT:

9¾" (24,8 cm) (D50/D55C Series,

D50/D55E Series and D50/D55H Series)

8¼" (20,9 cm) (D50B Series)

TOP DIAMETER:

6½" (17,1 cm) (D50/D55C Series,

D50/D55E Series and D50/D55H Series)

6" (15,2 cm) (D50/D55B Series)

INLET SIZE:

1" (25,4 mm) female NPT

1" (25,4 mm) female BSP

1" (25,4 mm) female Acme

CHECK VALVE MODELS:

Holds back up to 15' (4,5 m) difference
in elevation

PER BOX:

4

D50/D55C Series, D50/D55E Series and
D50/D55H Series

8

D50/D55B Series

Accessories

D001

Snap ring/pilot valve tool

D002

Pilot valve key

D003

1" valve insertion tool

FEATURES

- A full 4-inch pop-up clears tall turfgrass for even coverage.
- Rolled-over flange keeps turfgrass clear of riser and nozzle.
- Stainless-steel riser resists damage and vandalism.
- Tough, commercial-grade plastic case stands up to punishment.
- Special design eliminates blow-by and reduces pressure loss to improve system performance.
- Dual-direction flushing protects internals from debris and ensures positive pop-up/down.
- Uniform coverage with square or triangular spacing.
- Full-circle and adjustable patterns for maximum flexibility.
- Easy arc adjustment in the field without any tools.
- Nozzle kit offers fully interchangeable nozzles and is included with each rotor.
- Unique manual On/Off control for hydraulic rotors.
- Heavy-duty spring assures positive retraction.
- Radius can be adjusted up to 25 percent for best coverage.
- Compact cartridge design allows for quick and easy repair.
- Quick lock design allows internals to be serviced from the rotor's top.

- D50/D55 C Models include factory-installed check valve
- D50/D55 E Models feature electric valve and head
- D50/D55 H Models are N.O. hydraulically controlled
- D50/D55 B Compact Models feature factory-installed check valve
- D55 X-Series are dual part-circle rotors with adjustable radii.

D50 SERIES

Pressure	Max Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Discharge	Precipitation Rate¹			
PSI	FT	GPM	IN/HR	IN/HR▲		BAR	kPa	m	L/s	m³/hr	mm/hr	mm/hr▲
60	37	7.9	0.56	0.64	8 Black	4.1	410	11.2	0.5	1.8	14.18	16.37
70	37	10.1	0.71	0.82		4.8	480	11.2	0.6	2.3	18.13	20.93
80	—	—	—	—		5.5	550	—	—	—	—	—
60	39	9.9	0.63	0.72	12 Gray	4.1	410	11.9	0.6	2.2	15.99	18.47
70	39	11.5	0.73	0.84		4.8	480	11.9	0.7	2.6	18.58	21.45
80	—	—	—	—		5.5	550	—	—	—	—	—
60	47	13.8	0.60	0.69	14 Yellow	4.1	410	14.3	0.9	3.1	15.35	17.73
70	47	15.4	0.67	0.78		4.8	480	14.3	1.0	3.5	17.13	19.78
80	—	—	—	—		5.5	550	—	—	—	—	—
60	51	16.9	0.63	0.72	16 Orange	4.1	410	15.5	1.1	3.8	15.97	18.44
70	55	18.3	0.58	0.67		4.8	480	16.7	1.2	4.2	14.87	17.17
80	—	—	—	—		5.5	550	—	—	—	—	—
60	53	19.8	0.68	0.78	18 Brown	4.1	410	16.1	1.2	4.5	17.32	20.00
70	57	20.2	0.60	0.69		4.8	480	17.3	1.3	4.6	15.28	17.64
80	—	—	—	—		5.5	550	—	—	—	—	—
60	55	19.7	0.63	0.72	19 Red	4.1	410	16.7	1.2	4.5	16.00	18.48
70	55	21.1	0.67	0.78		4.8	480	16.7	1.3	4.8	17.14	19.79
80	59	22.2	0.61	0.71		5.5	550	18.0	1.4	5.0	15.59	18.00
60	59	22.6	0.63	0.72	25* Blue	4.1	410	17.9	1.4	5.1	15.95	18.42
70	67	26.6	0.57	0.66		4.8	480	20.4	1.7	6.0	14.56	16.81
80	69	28.5	0.58	0.67		5.5	550	21.0	1.8	6.5	14.63	16.90
60	62	28.0	0.70	0.81	28 Green	4.1	410	18.8	1.8	6.4	17.90	20.67
70	71	30.8	0.59	0.68		4.8	480	21.6	1.9	7.0	15.01	17.34
80	72	32.4	0.60	0.70		5.5	550	21.9	2.0	7.4	15.28	17.64

*Factory installed

D55 SERIES

Pressure	Max Radius	Discharge	Precipitation Rate¹		Nozzle Number	Pressure	Max Radius	Discharge	Precipitation Rate¹			
PSI	FT	GPM	IN/HR	IN/HR▲		BAR	kPa	m	L/s	m³/hr	mm/hr	mm/hr▲
60	37	7.9	0.56	0.64	8 Black	4.1	410	11.2	0.5	1.8	14.18	16.37
70	37	10.1	0.71	0.82		4.8	480	11.2	0.6	2.3	18.13	20.93
80	—	—	—	—		5.5	550	—	—	—	—	—
60	40	9.0	0.54	0.63	12 Gray	4.1	410	12.2	0.6	2.0	13.82	15.96
70	40	12.0	0.72	0.83		4.8	480	12.2	0.8	2.7	18.43	21.28
80	—	—	—	—		5.5	550	—	—	—	—	—
60	49	11.9	0.48	0.55	14 Yellow	4.1	410	14.9	0.8	2.7	12.18	14.06
70	47	14.5	0.63	0.73		4.8	480	14.3	0.9	3.3	16.13	18.63
80	—	—	—	—		5.5	550	—	—	—	—	—
60	53	15.0	0.51	0.59	16 Orange	4.1	410	16.1	0.9	3.4	13.12	15.15
70	51	16.3	0.60	0.70		4.8	480	15.5	1.0	3.7	15.40	17.78
80	—	—	—	—		5.5	550	—	—	—	—	—
60	57	16.8	0.50	0.58	18 Brown	4.1	410	17.3	1.1	3.8	12.71	14.67
70	55	18.3	0.58	0.67		4.8	480	16.7	1.2	4.2	14.87	17.17
80	—	—	—	—		5.5	550	—	—	—	—	—
60	55	19.7	0.63	0.72	19 Red	4.1	410	16.7	1.2	4.5	16.00	18.48
70	55	21.1	0.67	0.78		4.8	480	16.7	1.3	4.8	17.14	19.79
80	59	22.2	0.61	0.71		5.5	550	18.0	1.4	5.0	15.59	18.00
60	61	21.2	0.55	0.63	25* Blue	4.1	410	18.5	1.3	4.8	14.00	16.17
70	59	24.4	0.68	0.78		4.8	480	17.9	1.5	5.5	17.22	19.89
80	65	26.4	0.60	0.69		5.5	550	19.8	1.7	6.0	15.27	17.64
60	63	26.4	0.64	0.74	28 Green	4.1	410	19.2	1.7	6.0	16.35	18.87
70	65	26.2	0.60	0.69		4.8	480	19.8	1.7	6.0	15.24	17.60
80	67	32.4	0.66	0.76		5.5	550	20.4	1.9	6.9	16.66	19.24

*Factory installed