

All the D50 advantages. Now available in a block rotor.

Now redesigned with a new click-set design, more rugged gear drive, a bypass valve for more consistent performance regardless of pressure variations, and better protection during high-pressure situations.

Bottom valve ensures even better performance and reliability. Cylindrical filter is self-flushing and minimizes contaminants flowing into valve.

Rock screen is now a cage design for higher strength.

High Performance

- 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, industrial-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.
- Choose from multiple interchangeable nozzles that deliver superior precipitation rates in a variety of radii from 37 ft. to 72 ft. and flows from 7.9 to 32.4 gpm.
- Unique manual On/Off control for hydraulic rotors.
- Heavy-duty spring assures positive retraction.
- Additional nozzles available to customize application.
- Compact cartridge design allows for quick and easy repair.
- Quicklock™ design allows internals to be serviced from the rotor's top.
- Comprehensive 3-year warranty.

SPECIFICATIONS

Models:

Full-Circle:

D50B: Block Rotor

Part-Circle:

D55B: Block Rotor

Arc:

D50B-Series: Full-Circle, 360°

D55B-Series: Part-Circle, 35° to 360°

Maximum Inlet Pressure:

D50B and D55B: 150 psi (10,3 bar)

Rotation Time:

D50B-Series:

360° in 150 seconds (nominally)

D55B-Series:

180° in 75 seconds (nominally)

Inlet Threads:

1" ACME female threaded

1" NPT female threaded

1" BSP female threaded

Standard Factory Threads:

1" ACME female threaded

Check:

Checks water up to
15' of elevation change

Nozzle Trajectory: 25°

Riser: Stainless Steel



HOW TO ORDER/SPECIFY

50-Series Block Golf Rotors Medium-Range															
MODEL				NOZZLE				BASE PRESSURE				THREAD TYPE			
D50B = 1" Full-Circle Block Rotor				08 = #08-Black				60 = 60 psi				A = ACME			
D55B = 1" Part-Circle Block Rotor				12 = #12-Gray				70 = 70 psi				B = BSP			
				14 = #14-Yellow				80 = 80 psi				N = NPT			
				16 = #16-Orange				90 = 90 psi							
				18 = #18-Brown											
				19 = #19-Red											
				25 = #25-Blue											
				28 = #28-Green											

Notes: Highlighted boxes (■) indicate standard factory setting.

PERFORMANCE DATA

50-Series Full-Circle Block Rotor Performance Data (U.S.)																																
Base Pressure (psi)	#08 BLACK				#12 GRAY				#14 YELLOW				#16 ORANGE				#18 BROWN				#19 RED				#25 BLUE				#28 GREEN			
	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.■ (in/hr)	P.R.▲ (in/hr)				
	60	37	7.9	0.56	0.64	39	9.9	0.63	0.72	47	13.8	0.60	0.69	51	16.9	0.63	0.72	53	19.8	0.68	0.78	55	19.7	0.63	0.72	59	22.6	0.63	0.72			
	70	37	10.1	0.71	0.82	39	11.5	0.73	0.84	47	15.4	0.67	0.78	55	18.3	0.58	0.67	57	20.2	0.60	0.69	55	21.1	0.67	0.78	67	26.6	0.57	0.66			
	80																					59	22.2	0.61	0.71	69	28.5	0.58	0.67			

50-Series Full-Circle Block Rotor Performance Data (Metric)																										
Base Pressure (bars)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	
4,1	11.2	0.5	1.8	14.18	16.37	11.9	0.6	2.2	15.99	18.47	14.3	0.9	3.1	15.35	17.73	15.5	1.1	3.8	15.97	18.44	16.1	1.2	4.5	17.32	20.00	
4,8	11.2	0.6	2.3	18.13	20.93	11.9	0.7	2.6	18.58	21.45	14.3	1.0	3.5	17.13	19.78	16.7	1.2	4.2	14.87	17.17	17.3	1.3	4.6	15.28	17.64	
5,5																						18.0	1.4	5.0	15.59	18.00

55-Series Part-Circle Block Rotor Performance Data (U.S.)																																				
Base Pressure (psi)	#08 BLACK				#12 GRAY				#14 YELLOW				#16 ORANGE				#18 BROWN				#19 RED				#25 BLUE				#28 GREEN							
	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)	Radius (ft)	Flow (gpm)	P.R.▲ (in/hr)	P.R.▲ (in/hr)								
	60	37	7.9	0.56	0.64	40	9.0	0.54	0.63	49	11.9	0.48	0.55	53	15.0	0.51	0.59	57	16.8	0.50	0.58	55	19.7	0.63	0.72	61	21.2	0.55	0.63	63	26.4	0.64	0.74			
	70	37	10.1	0.71	0.82	40	12.0	0.72	0.83	47	14.5	0.63	0.73	51	16.3	0.60	0.70	55	18.3	0.58	0.67	55	21.1	0.67	0.78	59	24.4	0.68	0.78	65	26.2	0.60	0.69			
	80																									59	22.2	0.61	0.71	65	26.4	0.60	0.69	67	30.6	0.66

55-Series Part-Circle Block Rotor Performance Data (Metric)																									
Base Pressure (bars)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)	Radius (m)	Flow (l/s)	Flow (m³/hr)	P.R.■ (mm/hr)	P.R.▲ (mm/hr)
4,1	11.2	0.5	1.8	14.18	16.37	12.2	0.6	2.0	13.82	15.96	14.9	0.8	2.7	12.18	14.06	16.1	0.9	3.4	13.12	15.15	17.3	1.1	3.8	12.71	14.67
4,8	11.2	0.6	2.3	18.13	20.93	12.2	0.8	2.7	18.43	21.28	14.3	0.9	3.3	16.13	18.63	15.5	1.0	3.7	15.40	17.78	16.7	1.2	4.2	14.87	17.17
5,5																									

Note all data is current at the time of printing & subject to change. Please check with the manufacturer for updated values before specifying. All nozzles were tested at a Base Pressure 10 psi above Regulated Pressure.