

Acurain™ 5035 SD

ACURAIN SPRINKLER



Germination Irrigation



Irrigation Full Coverage



Pasture Irrigation



Field Crops



Crop Coloring



Unique Hammer With SD Plate

Unique hammer with SD (super-diffuser) plate design for uniform distribution



Red Cap for Protection of SS Spring

Plastic protection cap protects the spring from sand gives longer life to sprinkler



Heavy Duty Retraction Spring

Stainless steel retraction spring maintains uniform rotation speed



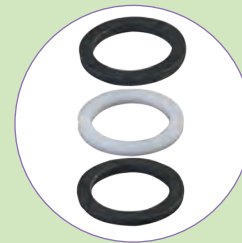
Innovative Bayonet Nozzles

Integrated stream straightening vanes in nozzles for maximum throw



Stainless Steel Spindle, Fulcrum Pin

Stainless steel spindle, fulcrum pin for improving life of sprinkler with anti-self rotation arrangement



Equipped with High Performance Washers

Special washers used to give uniform & hassle free rotation along with leakage prevention

Acurain 5035 SD

Additional Features

- High-impact, resistant, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation
- Easy to install and maintain
- Uniform precipitation rate
- High water distribution spacing up to 20m
- Higher resistance to wind.
- Each batch is tested for stringent quality parameters

Application

- Suitable for field crops like pulses, oil seeds, vegetables, sugarcane, cotton, cereals, tea, coffee and fodder crops.

Specification

- Discharge: 720 to 3540 lph
- Diameter: 24 to 36 m
- Operating Pressure: 2.5 to 5 Kg/cm²
- Inlet Connection: 3/4" male Threaded OR 3/4" & 1" Female Threaded
- Usability: Quick Connect System

Performance Table - Acurain 5035 SD

Single Nozzle, Black Short SD

Precipitation rates (mm/hr) & uniformity (CU) at various spacing

Sleeve Color	Nozzle Color (mm)	P (kg/cm ²)	Q (lph)	D (m)	Spacing (m)						
					12x15	12x18	15x15	15x18	18x18	20x20	
Red	3.5 Blue	2.5	720	24.0	4.0	3.3	3.2				
		3.0	790	24.0	4.4	3.7	3.5				
		4.0	910	25.0	5.1	4.2	4.0	3.4			
	4.0 Black	5.0	1040	25.0	5.8	4.8	4.6	3.9			
		2.5	950	26.0	5.3	4.4	4.2	3.5			
		3.0	1040	26.0	5.8	4.8	4.6	3.9			
Black	4.5 Brown	4.0	1200	26.0	6.7	5.6	5.3	4.4	3.7		
		5.0	1350	28.0	7.5	6.3	6.0	5.0	4.2		
		2.5	1210	28.0	6.7	5.6	5.4	4.5			
	5.0 Purple	3.0	1320	28.0	7.3	6.1	5.9	4.9	4.1		
		4.0	1540	29.0	14.1	11.8	11.3	9.4	7.8		
		5.0	1710	30.0	9.5	7.9	7.6	6.3	5.3		
Black	5.5 Orange	2.5	1460	29.0	8.1	6.8	6.5	5.4	4.5		
		3.0	1610	29.0	8.9	7.5	7.2	6.0	5.0	4.0	
		4.0	1870	31.0	10.4	8.7	8.3	6.9	5.8	4.7	
	6.0 Red	5.0	2100	32.0	11.7	9.7	9.3	7.8	6.5	5.3	
		2.5	1760	30.0	9.8	8.1	7.8	6.5	5.4	4.4	
		3.0	1930	31.0	10.7	8.9	8.6	7.1	6.0	4.8	
6.0 Red	4.0	2230	34.0	12.4	10.3	9.9	8.3	6.9	5.6		
	5.0	2490	35.0	13.8	11.5	11.1	9.2	7.7	6.2		
	2.5	2060	30.0	11.4	9.5	9.2	7.6	6.4	5.2		
	3.0	2260	32.0	12.6	10.5	10.0	8.4	7.0	5.7		
6.0 Red	4.0	2620	34.0	14.6	12.1	11.6	9.7	8.1	6.6		
	5.0	2940	36.0	16.3	13.6	13.1	10.9	9.1	7.4		

Colour code - Distribution uniformity

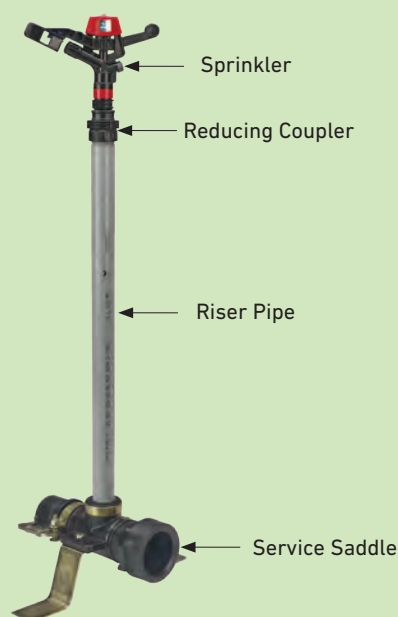
CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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Ordering Specifications

51535	X	XX	X	X
	Nozzle Quantity(mm)	Digit : Main Nozzle Size		
1 - Dual Nozzle 0 - Single Nozzle		2 - 3.5 mm	1 - Male Connection 2 - Female Connection	N - Export Blank - Domestic
		3 - 4.0 mm		
		4 - 4.5 mm		
		5 - 5.0 mm		
		6 - 5.5 mm		
		7 - 6.0 mm		

Example: 51535021 - This code represents 5035 SD sprinkler with nozzle size 3.5 mm and male connection for domestic (within India) order.

5035 SD Assembly



P= Pressure; Q= Discharge; D = Diameter

Dual Nozzle, Blue Short SD

Precipitation rates (mm/hr) & uniformity (CU) at various spacing

Sleeve Color	Nozzle Color (mm)	P (kg/cm ²)	Q (lph)	D (m)	Spacing (m)					
					12x15	12x18	15x15	15x18	18x18	20x20
Red	3.5x2.5L Blue	3.0	1240	27.2	6.9	5.7	5.5	4.6	3.8	3.1
		4.0	1430	27.2	7.9	6.6	6.4	5.3	4.4	3.6
		5.0	1620	27.2	9.0	7.5	7.2	6.0	5.0	4.1
	4.0x2.5L Black	3.0	1490	28.0	8.3	6.9	6.6	5.5	4.6	3.7
		4.0	1740	29.0	9.7	8.1	7.7	6.4	5.4	4.4
		5.0	1950	29.2	10.8	9.0	8.7	7.2	6.0	4.9
Black	4.5x2.5L Brown	3.0	1790	29.7	9.9	8.3	8.0	6.6	5.5	4.5
		4.0	2070	30.2	11.5	9.6	9.2	7.7	6.4	5.2
		5.0	2320	32.2	12.9	10.7	10.3	8.6	7.2	5.8
	5.0x2.5L Purple	3.0	2110	31.5	11.7	9.8	9.4	7.8	6.5	5.3
		4.0	2400	33.2	13.3	11.1	10.7	8.9	7.4	6.0
		5.0	2690	35.2	14.9	12.5	12.0	10.0	8.3	6.7
Black	5.5x2.5L Orange	3.0	2390	32.2	13.3	11.1	10.6	8.9	7.4	6.0
		4.0	2760	34.2	15.3	12.8	12.3	10.2	8.5	6.9
		5.0	3090	35.0	17.2	14.3	13.7	11.4	9.5	7.7
	6.0x2.5L Red	3.0	2700	34.2	15.0	12.5	12.0	10.0	8.3	6.8
		4.0	3160	36.0	17.6	14.6	14.0	11.7	9.8	7.9
		5.0	3540	34.0	19.7	16.4	15.7	13.1	10.9	8.9

Colour code - Distribution uniformity

CU < 85%	CU = 85-88%	CU = 88-92%	CU > 92%
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P= Pressure; Q= Discharge; D = Diameter

Note: Sprinklers are tested under standard test conditions.