

Acurain™ 5022 SD U



IS :12232



CM/L-7595896



Germination Irrigation



Irrigation Full Coverage



Pasture Irrigation



Field Crops

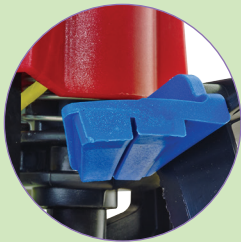


Crop Coloring



Crop Cooling

Product supplied with Hologram which indicates originality & best quality



Patented Super Diffuser Plate

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



Low Pressure Operating Sprinkler

Specially designed stainless steel spring to work at lower pressure (1.5 kg/cm²)



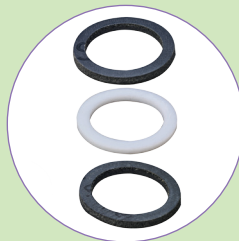
Heavy Duty Retraction Spring

Heavy duty stainless steel fulcrum pin and heavy duty SS spring



Innovative Bayonet Nozzle Design

Colour coded bayonet nozzles with integrated stream straightening vanes in nozzles for maximum throw



High Performance Washer

Long life Teflon washer helps to give uniform & hassle free rotation, with less wear and tear



Red Cap for Protection

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

Acurain 5022 SD U

Additional Features

- Low droplet impact and low application rate ensure better conditions for perfect germination and development. The fine, low droplet impact velocity prevents splashing of sand and fertilizers on to the seedlings
- Less sensitive to clogging
- Higher resistance to wind
- Available with leakage prevention device (LPD) as an option to prevent low head drainage.

Applications

- Suitable to use with Jain Rainport Systems.
- Recommended for closely spaced field crops, such as potato, leafy vegetables, cotton, oil seeds, pulses, cereals and fodder crops.
- Irrigation and germination of vegetables, flowers and nursery crops.

Specifications

- Discharges : 310-800 lph
- Diameter : 18 m to 23 m
- Recommended Pressure : 1.5 kg/cm² to 4 kg/cm²
- Inlet Connection : 1/2" male threaded.
- Operating Pressure : 3 kg/cm² to 5 kg/cm² (For flow Regulator option)

Performance Table - Acurain 5022 SD U

Dual nozzle

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

Nozzle Color (mm)	P (kg/cm ²)	Q (lph)	D (m)	Precipitation (mm/hr) / spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
2.5x1.8 Purple (TA-25°) Sleeve Red	1.5	450	19.2	5.6	5.0	4.5	4.2	3.8	3.1
	2.0	520	19	6.4	5.8	5.2	4.8	4.3	3.6
	2.5	580	20	7.2	6.4	5.8	5.4	4.8	4.0
	3.0	640	21	7.9	7.1	6.4	5.9	5.3	4.4
	3.5	700	21.2	8.6	7.8	7.0	6.5	5.8	4.9
2.8x1.8 Orange (TA-25°) Sleeve Red	1.5	510	19	6.3	5.7	5.1	4.7	4.3	3.5
	2.0	620	19	7.7	6.9	6.2	5.7	5.2	4.3
	2.5	690	19	8.5	7.7	6.9	6.4	5.8	4.8
	3.0	760	20	9.4	8.4	7.6	7.0	6.3	5.3
	3.5	820	23	10.1	9.1	8.2	7.6	6.8	5.7
	4.0	860	22	10.6	9.6	8.6	8.0	7.2	6.0

P= Pressure; Q= Discharge; D = Diameter; TA= Trajectory Angle

Rear nozzle color: 1.8 mm, light green. F.R. = Flow Regulator

Color code - Coefficient of uniformity

□ CU < 85% □ CU = 85-88% □ CU = 88-92% □ CU > 92%

Note:

Performance table prepared under standard conditions of wind, temperature and humidity.

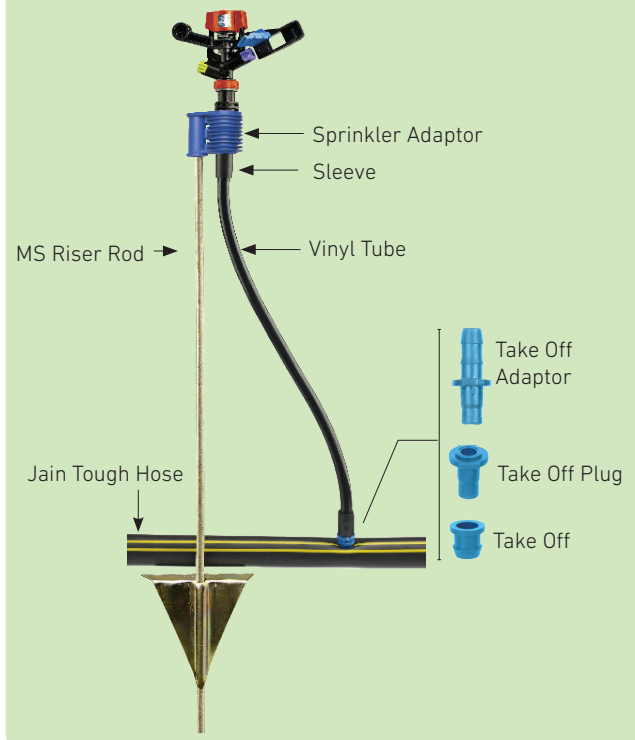
For windy conditions use closer spacings. (Refer page 15 to 16)

Ordering Specifications

Nozzle Color	Dual Nozzle*, mm	Item male	Item female	Single Nozzle*, mm	Item male	Item female
Purple	2.5x1.8	51527211U	51529132	2.5	51527011	51528011
Orange	2.8x1.8	51527221J	51529152	2.8	51527021	51528021

Note: 51527211U refers to 5022 SDU sprinkler with 2.5 mm x 1.8 mm nozzle.

5022 SD U Sprinkler Assembly



Performance Table- Acurain 5022 SD U

Single nozzle

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

Nozzle Color (mm)	P (kg/cm ²)	Q (lph)	D (m)	Precipitation (mm/hr) / spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
2.5 Purple (TA-25°) Sleeve Red	1.5	310	19	3.8	3.4	3.1	2.9	2.6	2.2
	2.0	360	19	4.4	4.0	3.6	3.3	3.0	2.5
	2.5	400	20	4.9	4.4	4.0	3.7	3.3	2.8
	3.0	440	21	5.4	4.9	4.4	4.1	3.7	3.1
	3.5	475	21	5.9	5.3	4.8	4.4	4.0	3.3
2.8 Orange (TA-25°) Sleeve Red	1.5	405	19	5.0	4.5	4.1	3.8	3.4	2.8
	2.0	475	21	5.9	5.3	4.8	4.4	4.0	3.3
	2.5	530	22	6.5	5.9	5.3	4.9	4.4	3.7
	3.0	580	22	7.2	6.4	5.8	5.4	4.8	4.0
	3.5	625	22	7.7	6.9	6.3	5.8	5.2	4.3
	4.0	670	23	8.3	7.4	6.7	6.2	5.6	4.7

F.R. = Flow Regulator

Color code - Coefficient of uniformity

□ CU < 85% □ CU = 85-88% □ CU = 88-92% □ CU > 92%

Note: * Performance table prepared under laboratory conditions.

Single nozzle without ISI

5022 SD -U with red sleeve 1/2" Male and 3/4" Female base; plastic sprinkler with unique hammer SD (super-diffuser); Blue Short SD for single nozzle; and blue short SD for dual nozzle.