

5022SD Sprinkler



Uniquely designed plastic impact sprinkler for irrigation and germination of vegetables, flowers and nursery crops

5022SD Impact Sprinkler

- Efficient irrigation of field boundaries with good uniformity
- Wide range of flow rates
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation

5022SD - a uniquely designed plastic impact sprinkler, ideal for irrigation and germination

5022SD is a sprinkler meticulously engineered for the irrigation and germination of vegetables, flowers, and nursery crops. It features a unique hammer combined with an SD (super diffuser) plate, ensuring uniform distribution with single or dual nozzles, providing optimal coverage.

With high distribution uniformity reaching up to 12 meters, the 5022SD can deliver water precisely where it's needed.



Designed with reduced sensitivity to clogging and high resistance to wind, the 5022SD is a reliable solution for uninterrupted irrigation. Tailored for short irrigation cycles, it facilitates efficient germination processes. Featuring color-coded bayonet nozzles, it simplifies service and maintenance, enhancing user convenience.


Crafted from high-impact and heavy-duty plastic materials, the 5022SD is resistant to corrosion, chemicals, and radiation, guaranteeing longevity and reliability. It's available in part-circle and full-circle models.

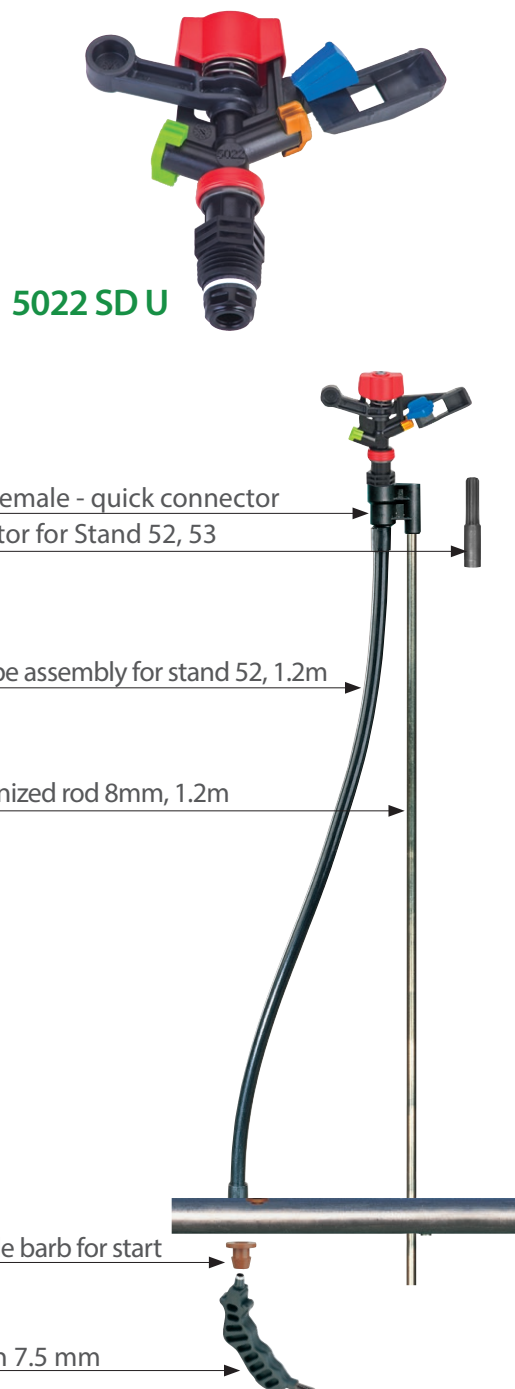
IrriStand systems

Plastic impact sprinkler, 1/2" male.
Mounted on IrriStand 52, 53

Technical data

	Spacing between sprinklers: 9-12 m
	

	Recommended working pressure: 1.5-4.0 bar
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Performance Table Single nozzle, Blue short SD

Precipitation rates (mm/hr) and uniformity (CU) at various spacings

Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)	Spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
2.5 Purple	1.5	0.310	19	3.8	3.4	3.1	2.9	2.6	2.2
	2.0	0.360	19	4.4	4.0	3.6	3.3	3.0	2.5
	2.5	0.400	20	4.9	4.4	4.0	3.7	3.3	2.8
	3.0	0.440	21	5.4	4.9	4.4	4.1	3.7	3.1
	3.5	0.475	21	5.9	5.3	4.8	4.4	4.0	3.3
	4.0	0.510	21	6.3	5.7	5.1	4.7	4.3	3.5
2.8 Orange	1.5	0.405	19	5.0	4.5	4.1	3.8	3.4	2.8
	2.0	0.475	21	5.9	5.3	4.8	4.4	4.0	3.3
	2.5	0.530	22	6.5	5.9	5.3	4.9	4.4	3.7
	3.0	0.580	22	7.2	6.4	5.8	5.4	4.8	4.0
	3.5	0.625	22	7.7	6.9	6.3	5.8	5.2	4.3
	4.0	0.670	23	8.3	7.4	6.7	6.2	5.6	4.7

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above the performance table)

Performance Table Dual nozzle, Blue short SD

Precipitation rates (mm/hr) and uniformity (CU) at various spacings

Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)	Spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
2.5x1.8 Purple	1.5	0.440	18	5.4	4.9	4.4	4.1	3.7	3.1
	2.0	0.480	19	5.9	5.3	4.8	4.4	4.0	3.3
	2.5	0.535	21	6.6	5.9	5.4	5.0	4.5	3.7
	3.0	0.590	21	7.3	6.6	5.9	5.5	4.9	4.1
	3.5	0.635	21	7.8	7.1	6.4	5.9	5.3	4.4
	4.0	0.685	21	8.5	7.6	6.9	6.3	5.7	4.8
F.R.	30-50	0.590	21.0	7.3	6.6	5.9	5.5	4.9	4.1
2.8x1.8 Orange	1.5	0.510	19	6.3	5.7	5.1	4.7	4.3	3.5
	2.0	0.560	20	6.9	6.2	5.6	5.2	4.7	3.9
	2.5	0.635	21	7.8	7.1	6.4	5.9	5.3	4.4
	3.0	0.690	22	8.5	7.7	6.9	6.4	5.8	4.8
	3.5	0.750	23	9.3	8.3	7.5	6.9	6.3	5.2
	4.0	0.800	22	9.9	8.9	8.0	7.4	6.7	5.6








Rear nozzle: 1.8 - Light Green

Color code distribution uniformity	CU>92%	CU=89-92%	CU=85-88%	CU<85%
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Performance table prepared under laboratory conditions

For windy conditions use closer spacing

Connectors & Accessories for IrriStand 52

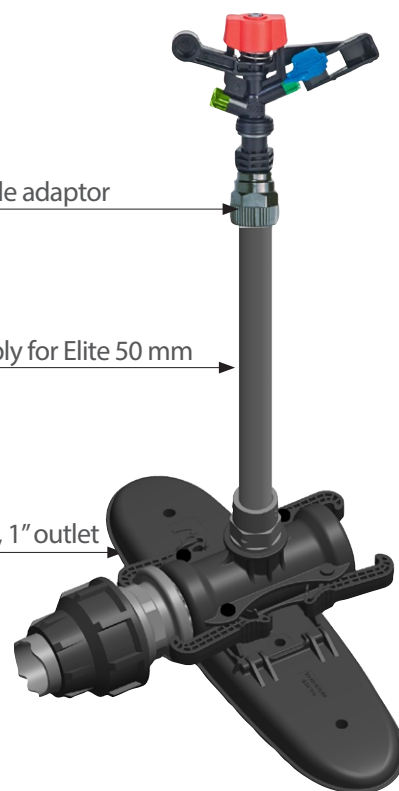
Universal 1/2" LPD	Male connector	Female connector	Plug	Elbow connector	Quick Drill 7.5mm	7.5 mm Punch & Pusher
						



1/2" NPSI Female x 3/4" BSPP Female adaptor

3/4" PVC riser 70 cm sub assembly for Elite 50 mm

Elite 50 mm kit, Standard V-ring, 1" outlet



Technical data

	Spacing between sprinklers: 10-14 m
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	Recommended working pressure: 2.5-4.0 bar
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Accessories for riser assembly

LPD 1/2" LPD 3/4"	Flow regulator 1/2" x 1/2" 590 l/h

Performance Table Single nozzle, Black long SD

Precipitation rates (mm/hr) and uniformity (CU) at various spacings

Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)	Spacing (m)				
				10x10	10x12	12x12	12x14	14x14
3.0 Red	2.5	0.570	21.0	5.7	4.8	4.0	3.4	2.9
	3.0	0.630	22.0	6.3	5.3	4.4	3.8	3.2
	3.5	0.680	23.0	6.8	5.7	4.7	4.1	3.5
	4.0	0.720	23.0	7.2	6.0	5.0	4.3	3.7
3.2 Green	2.5	0.640	21.2	6.4	5.3	4.4	3.8	3.3
	3.0	0.700	22.2	7.0	5.8	4.9	4.2	3.6
	3.5	0.760	23.0	7.6	6.3	5.3	4.5	3.9
	4.0	0.810	23.0	8.1	6.8	5.6	4.8	4.1
3.5 Blue	2.5	0.740	23.0	7.4	6.2	5.1	4.4	3.8
	3.0	0.810	23.0	8.1	6.8	5.6	4.8	4.1
	3.5	0.870	24.0	8.7	7.3	6.0	5.2	4.4
	4.0	0.930	25.0	9.3	7.8	6.5	5.5	4.7
4.0 Black	2.5	0.950	23.2	9.5	7.9	6.6	5.7	4.8
	3.0	1.030	24.2	10.3	8.6	7.2	6.1	5.3
	3.5	1.110	25.0	11.1	9.3	7.7	6.6	5.7
	4.0	1.180	26.0	11.8	9.8	8.2	7.0	6.0

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above the performance table)

Performance Table Dual nozzle, Blue short SD

Precipitation rates (mm/hr) and uniformity (CU) at various spacings

Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)	Spacing [m]				
				10x10	10x12	12x12	12x14	14x14
3.0x1.8 Red	2.5	0.760	21.0	7.6	6.3	5.3		
	3.0	0.840	22.0	8.4	7.0	5.8		
	3.5	0.900	23.0	9.0	7.5	6.3		
	4.0	0.970	22.0	9.7	8.1	6.7		
3.2x1.8 Green	2.5	0.820	21.0	8.2	6.8	5.7		
	3.0	0.900	22.0	9.0	7.5	6.3		
	3.5	0.980	23.0	9.8	8.2	6.8		
	4.0	1.040	23.0	10.4	8.7	7.2		
3.5x1.8 Blue	2.5	0.890	23.0	8.9	7.4	6.2	5.3	
	3.0	0.990	23.0	9.9	8.3	6.9	5.9	
	3.5	1.060	24.0	10.6	8.8	7.4	6.3	
	4.0	1.150	24.0	11.5	9.6	8.0	6.8	
4.0x1.8 Black	2.5	1.100	24.0	11.0	9.2	7.6	6.5	5.6
	3.0	1.220	25.0	12.2	10.2	8.5	7.3	6.2
	3.5	1.330	25.0	13.3	11.1	9.2	7.9	6.8
	4.0	1.430	26.0	14.3	11.9	9.9	8.5	7.3

Rear nozzle: 1.8 - Light Green

Color code distribution uniformity	CU>92%	CU=89-92%	CU=85-88%	CU<85%
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Performance table prepared under laboratory conditions
For windy conditions use closer spacing



5022SD U PC



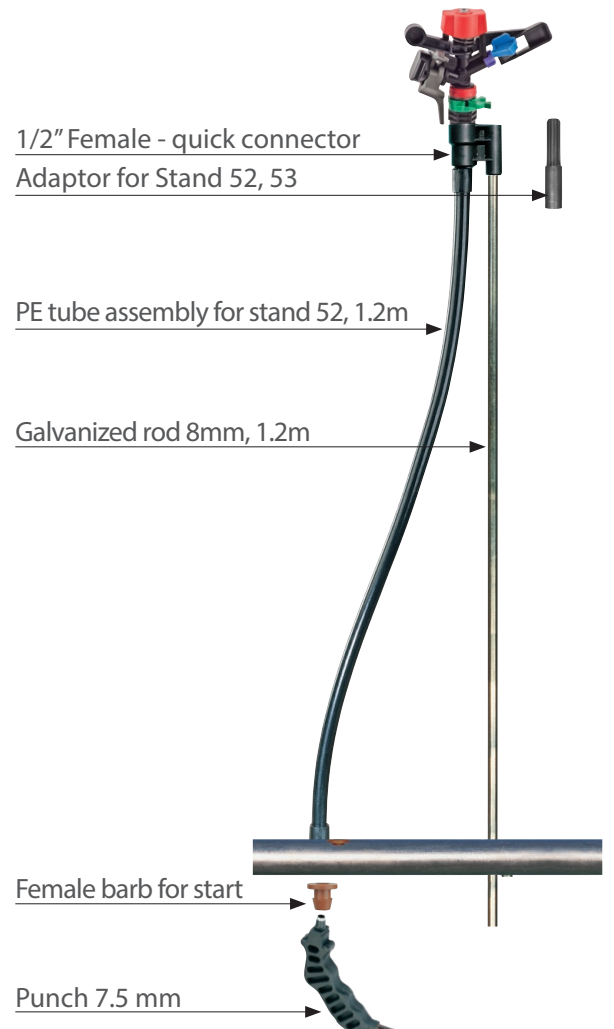
Technical data

• ↔ •	Sprinklers Diameter: 19-23 m
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Performance Table

Model	Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)
5022 SD-U PC Red sleeve	2.5 Purple	1.5	0.320	19.00
		2.0	0.375	20.00
		2.5	0.420	21.00
		3.0	0.460	21.50
		3.5	0.490	22.00
		4.0	0.525	22.00
	2.8 Orange	1.5	0.415	21.50
		2.0	0.475	22.00
		2.5	0.530	22.50
		3.0	0.580	23.00
		3.5	0.630	23.00
		4.0	0.680	23.50
5022 SD-U PC Black sleeve	3.0 Red	1.5	0.445	21.00
		2.0	0.520	21.50
		2.5	0.575	22.00
		3.0	0.625	22.50
		3.5	0.680	23.00
		4.0	0.730	23.00

Performance table prepared under laboratory conditions
For windy conditions use closer spacing





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