

Rivulis S5000

Plastic Impact Sprinkler



Operating guidelines and configuration

1/2" male threaded connection
Operating pressure range: 2,0–4,0 bar
Bayonet nozzles for easy service.
Color coded nozzles for easy size identification
Filtration required - 300 micron

Low angle

Nozzle angles:
9°, 12° and 14° with one nozzle
Nozzle sizes: 2,5, 2,9 and 3,2 mm
Flow rate at 2,5 bar: 375–637 l/h
Wetting diameter: 16,5–18,5 m

High angle

Nozzle angle:
24° angle with one or two nozzles
Nozzle sizes:
2,3, 2,6, 2,9, 3,2, 3,5 and 4,0 mm
Flow rate at 2.5 bar: 390–1286 l/h
Wetting diameter: 19–23,5 m

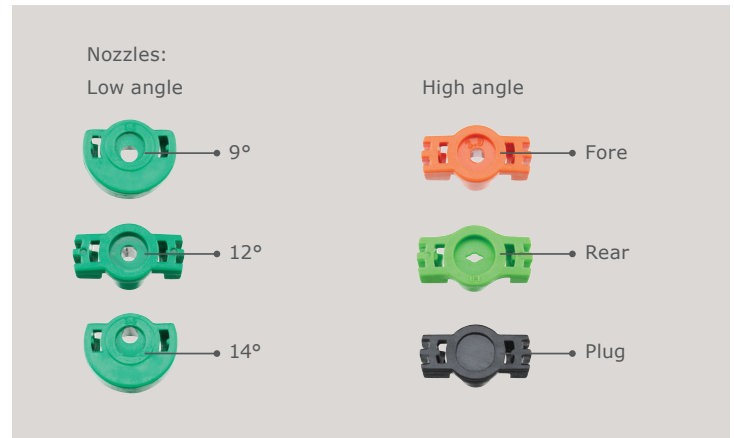
High Angle Partial Circle, for field edges

High angle trajectory: 25° (with one nozzle)
Nozzle sizes: 2,5, 2,9, 3,2 and 3,5 mm
Flow rates at 2,5 bar: 407–786 l/h
Wetting diameter: 21,5–23,0 m

Applications:

Low angle:
Orchards (under tree irrigation)
and shade houses

High angle:
Open fields (overhead irrigation) and
germination of vegetables, flowers, and
nursery crops



S5000 Plastic Impact Sprinkler - Low Angle - Performance Data

Nozzle color & size	Pressure	Low angle 9°		Low angle 12°		Low angle 14°	
		Flow rate	Wetting diameter*	Flow rate	Wetting diameter*	Flow rate	Wetting diameter*
(mm)	(bar)	(l/h)	(m)	(l/h)	(m)	(l/h)	(m)
Violet (2,5)	2,0	335	16,0	364	16,0	339	16,5
	2,5	375	17,0	408	17,0	379	17,0
	3,0	414	17,5	451	17,5	419	17,0
	3,5	447	18,0	485	18,0	451	17,5
	4,0	476	18,5	516	19,0	481	18,0
Orange (2,9)	2,0	435	16,5	454	17,0	437	16,5
	2,5	485	17,5	507	18,0	488	17,5
	3,0	535	17,5	559	18,5	539	18,5
	3,5	577	18,5	603	19,0	582	18,5
	4,0	620	18,5	646	19,0	625	19,0
Green (3,2)	2,0	571	15,5	580	16,0	565	17,0
	2,5	635	16,5	637	17,5	629	18,5
	3,0	693	17,0	693	18,5	686	18,5
	3,5	746	18,0	745	19,5	739	18,5
	4,0	801	19,0	799	20,0	793	19,0

* At 70 cm above ground level



S5000 Plastic Impact Sprinkler - One nozzle sprinklers, High Angle - Performance Data

Nozzle Color & Size (mm)	Pressure (bar)	Flow Rate (l/h)	Wetting Diameter Flow Rate (m)*
Yellow (2,6) X Plug	2,0	354	19,5
	2,5	390	19,5
	3,0	430	19,5
	3,5	460	19,0
	4,0	497	18,5
Orange (2,9) X Plug	2,0	455	22,0
	2,5	502	22,5
	3,0	555	22,5
	3,5	595	23,0
	4,0	644	22,5
Green (3,2) x Plug	2,0	566	22,5
	2,5	625	23,5
	3,0	691	24
	3,5	741	24
	4,0	802	24
Blue (3,5) x Plug	2,0	692	22
	2,5	774	22
	3,0	848	22
	3,5	916	22
	4,0	979	22
Black (4,0) x Plug	2,0	860	23
	2,5	955	-
	3,0	1038	23,5
	3,5	1119	-
	4,0	1189	23,5

* At 75 cm above ground level

S5000 Plastic Impact Sprinkler - Two nozzle sprinklers, High Angle - Performance Data

Nozzle Color & Size (mm)	Pressure (bar)	Flow Rate (l/h)	Wetting Diameter Flow Rate (m)*
Gray (2,3) X Light green (1,8)	2,0	459	22,0
	2,5	509	22,0
	3,0	556	22,0
	3,5	598	22,0
	4,0	637	22,0
Yellow (2,6) X Light green (1,8)	2,0	507	19,0
	2,5	564	19,0
	3,0	616	18,5
	3,5	664	19,0
	4,0	710	18,5
Orange (2,9) X Light green (1,8)	2,0	606	21,5
	2,5	676	21,5
	3,0	739	22,0
	3,5	798	21,5
	4,0	853	22,0
Green (3,2) X Light green (1,8)	2,0	716	22,0
	2,5	806	22,5
	3,0	887	23,0
	3,5	951	23,5
	4,0	1028	24,0
Blue (3,5) X Yellow (2,5)	2,0	1032	20,5
	2,5	1147	20,5
	3,0	1260	20,5
	3,5	1354	21,0
	4,0	1452	21,5
Black (4,0) X Yellow (2,5)	2,0	1140	23,0
	2,5	1286	23,5
	3,0	1416	24,5
	3,5	1527	24,5
	4,0	1658	25,0

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S5000 Plastic Impact Sprinkler - Partial Circle, High Angle - Performance Data

Nozzle Color & Size (mm)	Pressure (bar)	Flow Rate (l/h)	Wetting Diameter Flow Rate (m)*
Violet (2,5)	2,0	364	21,0
	2,5	407	22,0
	3,0	446	21,6
	3,5	481	22,6
	4,0	514	22,6
Orange (2,9)	2,0	456	23,0
	2,5	509	23,0
	3,0	559	23,0
	3,5	604	23,0
	4,0	646	23,0
Green (3,2)	2,0	563	22,0
	2,5	630	23,0
	3,0	694	23,0
	3,5	748	23,5
	4,0	798	24,0
Blue (3,5)	2,0	701	21,5
	2,5	786	21,5
	3,0	859	21,5
	3,5	923	21,5
	4,0	982	21,0

* At 75 cm above ground level

