



Rotor Max™ Sprinklers

Excellent Uniformity with Both Upright and Inverted Applications



UPRIGHT APPLICATIONS

Rectangular Spacing - Riser at 3' and 35 psi

RED NOZZLE	Line Spacing (ft.)									
	16		20		24		28			
	Sprinkler Spacing (ft.)	DU (%)	In./Hr.	DU (%)	In./Hr.	DU (%)	In./Hr.	DU (%)	In./Hr.	
18	-	-	93	0.44	92	0.33	83	.28		
22	90	0.40	91	0.36	84	0.30	83	.21		
26	92	0.34	87	0.30	83	0.23	84	.20		
28	86	0.32	82	0.25	83	0.21	83	.18		
30	79	0.30	79	0.26	81	0.20	-	-		

BLACK NOZZLE	Line Spacing (ft.)									
	22		26		30		34			
	Sprinkler Spacing (ft.)	DU (%)	In./Hr.	DU (%)	In./Hr.	DU (%)	In./Hr.	DU (%)	In./Hr.	
18	86	0.72	82	0.60	88	0.50	87	0.47		
22	85	0.65	83	0.50	86	0.43	84	0.38		
26	83	0.50	78	0.42	78	0.37	78	0.34		
28	86	0.47	78	0.40	78	0.34	79	0.30		
30	86	0.43	78	0.37	80	0.32	79	0.28		
32	86	0.41	78	0.35	80	0.30	-	-		
34	84	0.38	78	0.32	79	0.28	-	-		

PURPLE NOZZLE	Line Spacing (ft.)									
	22		26		30		34			
	Sprinkler Spacing (ft.)	DU (%)	In./Hr.	DU (%)	In./Hr.	DU (%)	In./Hr.	DU (%)	In./Hr.	
22	82	0.85	84	0.72	85	0.63	78	0.55		
26	84	0.72	84	0.61	84	0.53	76	0.47		
28	85	0.67	84	0.57	83	0.50	76	0.47		
30	85	0.63	84	0.53	83	0.46	76	0.47		
32	83	0.59	82	0.50	-	-	76	0.47		

Product Advantages

- Smooth rotation delivers excellent distribution.
- Robust design and durable construction for long life.
- In an upright or inverted position, the flat trajectory green spinner is used to fight the wind with excellent uniformity.
- Rotor has dual outlets keeping the sprinkler balanced - avoiding swaying of the riser and enhancing performance.
- Enclosed bridge with thin inside edges minimizes interception of water by the bridge.
- High flow nozzles with large droplets provide high application rates and short watering times.
- Nozzles are color coded to identify flow and easily taken apart for servicing.



Upright Rotor Max™



Inverted Rotor Max™

Applications

- Greenhouses, Hoop houses, Shade houses and Nurseries.
- Vegetable crops.

Specifications

Nozzle color: Red
Black
Purple

Spinners: Black - 25° trajectory
(for upright applications)
Green - 0° trajectory
(for inverted applications)

Connection: Threaded 1/2"

Orifice size: Red Nozzle 0.11"
Black Nozzle 0.13"
Purple Nozzle 0.15"

Filtration requirement: 40 mesh

Materials: Frame - Polypropylene
Spinner and Nozzle - Acetal

FLOW RATE (GPM)

Pressure (psi)	Red Nozzle	Black Nozzle	Purple Nozzle
25	1.7	2.2	3.1
30	1.8	2.4	3.4
35	2.0	2.6	3.7
40	2.1	2.8	4.0

Optimal operating pressures.

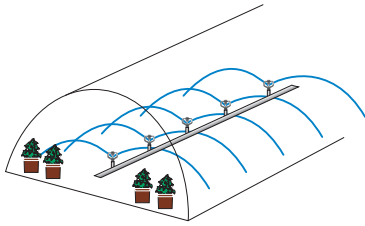
To calculate precipitation rate in inches per hour:

$$\frac{96 \times \text{Flow Rate (GPM)}}{\text{Sprinkler Spacing (ft.)} \times \text{Row Spacing (ft.)}}$$

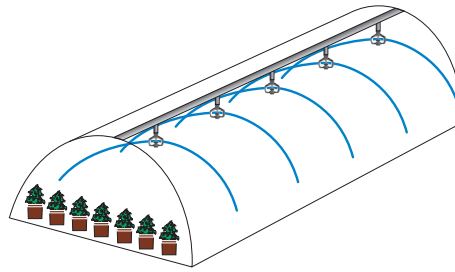


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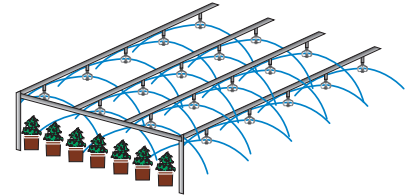
Rotor Max™ Technical Information



TUNNEL APPLICATION
Single Strip - Upright Sprinklers



TUNNEL APPLICATION
Single Strip - Inverted Sprinklers



RECTANGULAR SPACING
with Overlap - Inverted Sprinklers



UPRIGHT APPLICATIONS
Single Strip Spacing -
at 3.5' and 36 psi

RED NOZZLE

Sprinkler Spacing (ft.)	Strip Width (ft.)	DU (%)	In./Hr.
10	16	88	0.53
10	18	84	0.52
10	20	79	0.50

BLACK NOZZLE

Sprinkler Spacing (ft.)	Strip Width (ft.)	DU (%)	In./Hr.
12	20	90	0.73
12	22	88	0.72
12	24	86	0.71
12	26	83	0.70
12	28	81	0.68
12	30	78	0.66

PURPLE NOZZLE

Sprinkler Spacing (ft.)	Strip Width (ft.)	DU (%)	In./Hr.
14	20	86	1.04
14	22	83	1.00
14	24	80	0.95
12	26	79	0.93
12	28	76	0.91
12	30	75	0.89



INVERTED APPLICATIONS
Single Strip Spacing -
at 6' and 29 psi

RED NOZZLE

Sprinkler Spacing (ft.)	Strip Width (ft.)	DU (%)	In./Hr.
10	18	85	0.66
10	20	82	0.64
10	22	80	0.63
10	24	78	0.62
10	26	77	0.61

BLACK NOZZLE

Sprinkler Spacing (ft.)	Strip Width (ft.)	DU (%)	In./Hr.
12	18	84	0.68
12	20	83	0.66
12	22	82	0.65
12	24	81	0.64
12	26	80	0.63
12	28	77	0.62
12	30	73	0.60

PURPLE NOZZLE

Sprinkler Spacing (ft.)	Strip Width (ft.)	DU (%)	In./Hr.
12	22	82	0.85
12	24	81	0.84
12	26	82	0.83
12	28	82	0.83
12	30	80	0.81
12	32	77	0.80



INVERTED APPLICATIONS
Rectangular Spacing -
Riser at 7' and 28 psi

Please contact a Netafim USA District Sales Manager for technical information with these applications.

PART NUMBERS

Part Number	Description	Bag Quantity
030721058-25	Rotor Max™ Upright, Red Nozzle	25
030721008-25	Rotor Max™ Upright, Black Nozzle	25
030721068-25	Rotor Max™ Upright, Purple Nozzle	25
030721558-25	Rotor Max™ Inverted, Red Nozzle	25
030721508-25	Rotor Max™ Inverted, Black Nozzle	25
030721568-25	Rotor Max™ Inverted, Purple Nozzle	25

RADIUS AND STREAM HEIGHT

		Black Upright	Green Inverted	Stream Height
Pressure 30 psi		3' Height	5' Height	25 Degrees
Nozzle	Flow (GPM)	Radius (ft.)	Radius (ft.)	(ft.)
Red	1.8	16	14	4.0
Black	2.4	16	14	4.0
Purple	3.4	17	14	3.5

Effective radius, less than 0.1" is ignored. Stream height tested at 7.8".
Increased height results in large radius.

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Customer Service at (888) 638-2346.