



Ultima

The ultimate sprinkler

Main Features:

- Well-balanced two-nozzle rotating sprinkler
- Constant rotation velocity at variable flow rates
- Uniform water distribution pattern (CU, DU)
- Innovative ergonomic structure
- Easy nozzle cleaning: No need to shut off the water. With just a 180° turn of the nozzle the water pressure flushes all debris
- Highly resistant to wear
- Manufactured from superior durable materials for long life

Specifications:

- Flow rates: 400, 500, 600, 700, 800 lph
- Recommended operating pressure: 2.5 - 3.5 bar (at sprinkler base)
- Sprinkler spacing range according to flow rates and trajectory angle up to 15x15 m
- Choice of nozzles with three different trajectory angles:
 - High trajectory angle: 26°, Wetting diameter: up to 22.5 m
 - Medium trajectory angle: 16°, Wetting diameter: up to 19 m
 - Low trajectory angle: 11°, Wetting diameter: up to 17.5 m

Applications:

- High trajectory angle 26°: For field crops and vegetables on solid sets or removable field stands. Ideal for germination. For overhead frost protection or cooling in fruit orchards.
- Medium trajectory angle 16°: For shadehouses, open nurseries and fruit orchards with widely spaced rows.
- Low trajectory angle 11°: For undertree irrigation in fruit orchards.



Spacing & application rates - High trajectory angle nozzle - 26° x 16°

Sprinkler model	Nozzle color & size (mm) x Trajectory angle	Pressure (bar)	Flow rate (lph)	Water throw diameter* (m)	Application Rate (mm/h)					
					Spacing (m x m) rectangular layout					
					9x9	9x10	10x10	10x12	12x12	15x15
400	● L-1.8 mm x 26° ● S-1.6 mm x 16°	2.5	390	21.5	4.8	4.3	3.9	3.3	2.7	1.7
		3.0	429	21.0	5.3	4.8	4.3	3.6	3.0	1.9
		3.5	466	20.0	5.8	5.2	4.7	3.9	3.2	2.1
500	● L-2.0 mm x 26° ● S-1.8 mm x 16°	2.5	497	22.0	6.1	5.5	5.0	4.1	3.5	2.2
		3.0	548	21.5	6.8	6.1	5.5	4.6	3.8	2.4
		3.5	595	21.0	7.3	6.6	6.0	5.0	4.1	2.6
600	● L-2.3 mm x 26° ● S-1.8 mm x 16°	2.5	581	22.5	7.2	6.5	5.8	4.8	4.0	2.6
		3.0	639	22.0	7.9	7.1	6.4	5.3	4.4	2.8
		3.5	692	22.5	8.5	7.7	6.9	5.8	4.8	3.1
700	● L-2.3 mm x 26° ● S-2.2 mm x 16°	2.5	647	22.5	8.0	7.2	6.5	5.4	4.5	2.9
		3.0	712	22.5	8.8	7.9	7.1	5.9	4.9	3.2
		3.5	772	22.0	9.5	8.6	7.7	6.4	5.4	3.4
800	● L-2.5 mm x 26° ● S-2.4 mm x 16°	2.5	750	22.5	9.3	8.3	7.5	6.3	5.2	3.3
		3.0	826	23.0	10.2	9.2	8.3	6.9	5.7	3.7
		3.5	893	22.5	11.0	9.9	8.9	7.4	6.2	4.0

* Sprinkler at 75 cm above ground level CU>87% CU=84-87% CU<84%

Max. Recommended No. of Sprinklers on Irrigation Laterals*

Sprinkler model	Tube Ø O.D./I.D.	Spacing between sprinklers (m)					
		9	10	11	12	14	15
400	32 / 27.2	11	11	10	10	10	10
	40 / 36.6	19	18	17	17	16	15
	50 / 45.6	28	27	26	25	23	23
500	32 / 27.2	10	10	9	8	8	8
	40 / 36.6	16	15	15	14	13	13
	50 / 45.6	24	23	22	21	20	20
600	32 / 27.2	8	8	8	8	7	7
	40 / 36.6	14	14	13	13	12	12
	50 / 45.6	21	20	20	19	18	17
700	32 / 27.2	8	8	7	7	7	6
	40 / 36.6	13	13	12	11	11	11
	50 / 45.6	20	19	18	18	17	16
800	32 / 27.2	7	7	7	6	6	6
	40 / 36.6	12	12	11	11	10	10
	50 / 45.6	18	18	17	16	15	15

* Max. flow variation: ±5%

Spacing & application rates - Medium trajectory angle nozzle 16° x 11°

Sprinkler model	Nozzle color & size x Trajectory angle	Pressure (bar)	Flow rate (lph)	Water throw diameter* (m)	Application Rate (mm/h)				
					Spacing (m x m) rectangular layout				
					9x9	9x10	10x10	10x12	12x12
400	● L-1.8 mm x 16° ● S-1.6 mm x 11°	2.5	390	19.0	4.8	4.3	3.9	3.3	2.7
		3.0	429	19.0	5.3	4.8	4.3	3.6	3.0
500	● L-2.0 mm x 16° ● S-1.8 mm x 11°	2.5	497	19.5	6.1	5.5	5.0	4.1	3.5
		3.0	548	19.5	6.8	6.1	5.5	4.6	3.8
600	● L-2.3 mm x 16° ● S-1.8 mm x 11°	2.5	581	19.5	7.2	6.5	5.8	4.8	4.0
		3.0	639	19.5	7.9	7.1	6.4	5.3	4.4
700	● L-2.3 mm x 16° ● S-2.2 mm x 11°	2.5	647	19.5	8.0	7.2	6.6	5.4	4.5
		3.0	712	19.5	8.8	7.9	7.1	5.9	4.9
800	● L-2.5 mm x 16° ○ S-2.4 mm x 11°	2.5	750	20.0	9.3	8.3	7.5	6.3	5.2
		3.0	826	20.5	10.2	9.2	8.3	6.9	5.7

* Sprinkler at 75 cm above ground level CU>84% CU<84%

Spacing & application rates - Low trajectory angle nozzle 11° x 11°

Sprinkler model	Nozzle color & size x Trajectory angle	Pressure (bar)	Flow rate (lph)	Water throw diameter* (m)	Application Rate (mm/h)				
					Spacing (m x m) rectangular layout				
					9x9	9x10	10x10	10x12	12x12
400	● L-1.8 mm x 11° ● S-1.6 mm x 11°	2.5	390	16.5	4.8	4.3	3.9	3.3	2.7
		3.0	429	16.5	5.3	4.8	4.3	3.6	3.0
500	● L-2.0 mm x 11° ● S-1.8 mm x 11°	2.5	497	17.0	6.1	5.5	5.0	4.1	3.5
		3.0	548	17.5	6.8	6.1	5.5	4.6	3.8
600	● L-2.3 mm x 11° ● S-1.8 mm x 11°	2.5	581	17.0	7.2	6.5	5.8	4.8	4.0
		3.0	639	17.0	7.9	7.1	6.4	5.3	4.4
700	● L-2.3 mm x 11° ● S-2.2 mm x 11°	2.5	647	17.5	8.0	7.2	6.5	5.4	4.5
		3.0	712	18.0	8.8	7.9	7.1	5.9	4.9
800	● L-2.5 mm x 11° ○ S-2.4 mm x 11°	2.5	750	17.0	9.3	8.3	7.5	6.3	5.2
		3.0	826	17.5	10.2	9.2	8.3	6.9	5.7

* Sprinkler at 40 cm above ground level CU>84% CU<84%



Removable Ultima field stand assembly

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