



Overhead sprinklers

Metal impact sprinkler 3/4" male or female

Applications: all overhead irrigation of crops with solid-set, mechanized or handline systems

Irrigation under frost conditions in vineyards, orchards and vegetables

- High water distribution with spacing up to 20 m
- Color-coded bayonet nozzle for easy service
- Integrated stream-straightening vane for maximum range
- Sand and dust protection sleeve ensures reliable operation and durability
- Red cap completely seals and protects drive spring and protects from frost damage
- New rear nozzle 2.5L for improved performances.

233B PerformanceTable

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

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m ³ /h)	D (m)	Spacing (m)							
					12x12	12x15	12x18	15x15	15x18	18x18	18x20	20x20
Red	3.5x2.5L Blue	3.0	1.240	27.0	8.6	6.9	5.7	5.5	4.6	3.8		
		4.0	1.430	29.0	9.9	7.9	6.6	6.4	5.3	4.4		
		5.0	1.620	29.0	11.3	9.0	7.5	7.2	6.0	5.0		
	4.0*2.5L Black	3.0	1.490	29.0	10.3	8.3	6.9	6.6	5.5	4.6		
		4.0	1.740	29.0	12.1	9.7	8.1	7.7	6.4	5.4		
		5.0	1.950	29.0	13.5	10.8	9.0	8.7	7.2	6.0		
4.5x2.5L Brown	3.0	1.790	30.0	12.4	9.9	8.3	8.0	6.6	5.5	5.0		
	4.0	2.070	31.0	14.4	11.5	9.6	9.2	7.7	6.4	5.8		
	5.0	2.320	32.0	16.1	12.9	10.7	10.3	8.6	7.2	6.4		
Black	5.0x2.5L Purple	3.0	2.110	32.0	14.7	11.7	9.8	9.4	7.8	6.5	5.9	5.3
		4.0	2.400	34.0	16.7	13.3	11.1	10.7	8.9	7.4	6.7	6.0
		5.0	2.690	35.0	18.7	14.9	12.5	12.0	10.0	8.3	7.5	6.7
	5.5x2.5L Orange	3.0	2.390	34.0	16.6	13.3	11.1	10.6	8.9	7.4	6.6	6.0
		4.0	2.760	37.0	19.2	15.3	12.8	12.3	10.2	8.5	7.7	6.9
		5.0	3.090	39.0	21.5	17.2	14.3	13.7	11.4	9.5	8.6	7.7
	6.0x2.5L Red	3.0	2.700	37.0	18.8	15.0	12.5	12.0	10.0	8.3	7.5	6.8
		4.0	3.160	37.0	21.9	17.6	14.6	14.0	11.7	9.8	8.8	7.9
		5.0	3.540	40.0	24.6	19.7	16.4	15.7	13.1	10.9	9.8	8.9

Color code - Distribution uniformity	CU > 92%	CU 88-92%	CU 85-88%	CU < 85%
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Rear nozzle color: 2.5L - grey
Do not change nozzles from Red Sleeve group to Black Sleeve Group or vice-versa.

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



233B PerformanceTable

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m ³ /h)	D (m)
Red	3.5 Blue	3.0	0.790	27
		4.0	0.910	28
		5.0	1.020	29
	4.0* Black	3.0	1.040	29
		4.0	1.200	29
		5.0	1.350	29
	4.5 Brown	3.0	1.320	30
		4.0	1.540	32
		5.0	1.710	33
Black	5.0 Purple	3.0	1.610	33
		4.0	1.870	35
		5.0	2.100	37
	5.5 Orange	3.0	1.930	36
		4.0	2.230	38
		5.0	2.490	38
	6.0 Red	3.0	2.260	36
		4.0	2.620	38
		5.0	2.940	41

*Standard nozzle
Do not change nozzles from "Red" Sleeve" group to "Black Sleeve" Group or vice versa.

MagicDrive LA PAT. PENDING



Undertree sprinklers

Non-Impact 1/2" low volume sprinkler.
Two available models 9° & 14°.

- Maintenance free
- Extended longevity. No wear and tear
- Special long term warranty

Applications: orchards and plantations, especially bananas and table grape for full coverage irrigation. MagicDrive 14° also for irrigation and germination of vegetables and field crops

Structure and features:

- Maintenance free for long lifespan
- Can function with contaminated water
- Hermetically-sealed silicone chamber protects silicone from leakage
- Silicone with magnets ensure constant rotation speed and prevents wear and tear
- Can function with contaminated water
- Special synchronized diffuser mechanism SECTORS ensures high resistance to wind.
- Color coded nozzle and swivel.
- High-impact and heavy duty plastic materials for resistance to corrosion and UV radiation

Group	Swivel	Diffuser	Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)	MSH (cm)
G4	Purple 9°	Green	2.6 Yellow	1.5	0.310	18	70-100
				2.0	0.365	18	
				2.5	0.410	18	
				3.0	0.450	18	
				3.5	0.490	18	
			2.8 Green	1.5	0.360	18	70-100
				2.0	0.415	18	
				2.5	0.465	18	
				3.0	0.510	18	
				3.5	0.550	18	
G5	Purple 9°	Green	3.0 Light Brown	1.5	0.415	17	80-100
				2.0	0.485	17	
				2.5	0.545	17	
				3.0	0.595	18	
				3.5	0.650	18	
			3.2 Red	1.5	0.465	17	80-110
				2.0	0.545	17	
				2.5	0.615	18	
				3.0	0.680	18	
				3.5	0.730	18	

MSH: Maximum Stream Height

Group	Swivel	Diffuser	Nozzle color (mm)	P (bar)	Q (m³/h)	D (m)	MSH (cm)	Spacing (m)				
								9x9	10x10	10x12	12x12	
G4	Gold 14°	Yellow	2.6 Yellow	1.5	0.310	18	120-140	3.8	3.1	2.6	2.2	
				2.0	0.365	19		4.5	3.7	3.0	2.5	
				2.5	0.410	19		5.1	4.1	3.4	2.8	
				3.0	0.450	19		5.5	4.5	3.8	3.1	
				3.5	0.490	19		6.0	4.9	4.1	3.4	
			2.8 Green	1.5	0.360	18		120-140	4.4	3.6	3.0	2.5
				2.0	0.415	19			5.1	4.2	3.5	2.9
				2.5	0.465	20			5.7	4.7	3.9	3.2
				3.0	0.510	20			6.2	5.1	4.3	3.5
				3.5	0.550	20			6.8	5.5	4.6	3.8
G5	Light Brown 14°	Yellow	3.0 Light Brown	1.5	0.415	21	120-150	5.0	4.2	3.5	2.9	
				2.0	0.485	22		6.0	4.9	4.0	3.4	
				2.5	0.545	22		6.7	5.5	4.5	3.8	
				3.0	0.595	23		7.3	6.0	5.0	4.1	
				3.5	0.650	23		8.0	6.5	5.4	4.5	
			3.2 Red	1.5	0.465	21		130-150	5.6	4.7	3.9	3.2
				2.0	0.545	22			6.8	5.5	4.5	3.8
				2.5	0.615	23			7.7	6.2	5.1	4.3
				3.0	0.680	23			8.4	6.8	5.7	4.7
				3.5	0.730	23			8.9	7.3	6.1	5.1

* Performance table prepared under laboratory conditions

* For windy conditions use closer spacing

Color code - Distribution uniformity	CU > 92%	CU 88-92%	CU 85-88%	CU 80-85%	CU < 80%
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