

NEW

MagicDrive PAT. PENDING



IrriStand systems

Non-Impact 1/2" sprinkler mounted on Irristand 52 or riser

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

Applications:

- Irrigation and germination of vegetables and field crops
- Corn and Sugar cane irrigation on high risers 2-3m due to its stable operation without vibration
- Overhead cooling in orchards and plantations

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
- Excellent water distribution uniformity in spacing of up to 14 m
- Color coded nozzle and swivel
- High-impact and heavy duty plastic materials for resistance to corrosion and UV radiation

MagicDrive PERFORMANCE TABLE

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

Group	Swivel	Diffuser	Nozzle color (mm)	P (bar)	Q (m ³ /h)	D (m)	Spacing (m)					
							9x9	10x10	10x12	12x12	12x14	14x14
G4	Black 24°	Yellow	2.6 Yellow	1.5	0.310	19	3.7	3.1	2.6			
				2.0	0.365	19	4.4	3.7	3.0			
				2.5	0.410	19	5.0	4.1	3.4			
				3.0	0.450	20	5.6	4.5	3.8			
				3.5	0.490	20	6.0	4.9	4.1			
			2.8 Green	1.5	0.360	20	4.3	3.6	3.0	2.5		
				2.0	0.415	20	5.1	4.2	3.5	2.9		
				2.5	0.465	21	5.6	4.7	3.9	3.2		
				3.0	0.510	21	6.2	5.1	4.3	3.5		
				3.5	0.55	21	6.8	5.5	4.6	3.8		
G5	Blue 24°	Yellow	3.0 Light Brown	1.5	0.415	22	5.1	4.2	3.5	2.9	2.5	2.1
				2.0	0.485	23	5.9	4.9	4.0	3.4	2.9	2.5
				2.5	0.545	23	6.7	5.5	4.5	3.8	3.2	2.8
				3.0	0.595	23	7.3	6.0	5.0	4.1	3.5	3.0
				3.5	0.650	22	8.0	6.5	5.4	4.5	3.9	3.3
			3.2 Red	1.5	0.465	21	5.6	4.7	3.9	3.2	2.8	2.4
				2.0	0.545	22	6.6	5.5	4.5	3.8	3.2	2.8
				2.5	0.615	23	7.5	6.2	5.1	4.3	3.7	3.1
				3.0	0.680	23	8.3	6.8	5.7	4.7	4.0	3.5
				3.5	0.730	23	8.9	7.3	6.1	5.1	4.3	3.7

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



* Performance table prepared under laboratory conditions

* For windy conditions use closer spacing

NEW

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
				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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