

# 233B



## 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 <sup>3</sup> /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%
--------------------------------------	----------	-----------	-----------	----------

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 <sup>3</sup> /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.

# 234



## Overhead sprinklers Metal impact sprinkler 1" female

**Applications:** all overhead irrigation of crops with solid-set, mechanized or hand-line systems.

- High water distribution with spacing up to 24 m.
- Color-coded bayonet nozzles 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 the drive spring and protects from frost damage.



### 234 Performance Table

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

Nozzles color mm	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)			
				18x18	20x20	20x24	24x24
5.0x3.2 Purple	3.0	2.210	32	6.8	5.5		
	4.0	2.530	34	7.9	6.4		
	5.0	2.840	35	8.8	7.2		
5.5x3.2 Orange	3.0	2.500	34	7.7	6.2	5.2	4.3
	4.0	2.900	37	8.9	7.2	6.0	5.0
	5.0	3.250	39	10.0	8.1	6.8	5.6
6.0x3.2 Red	3.0	2.810	37	8.8	7.1	5.9	4.9
	4.0	3.300	37	10.1	8.2	6.8	5.7
	5.0	3.700	40	11.3	9.1	7.6	6.3
6.5x3.2 Grey	3.0	3.190	38	8.8	7.1	5.9	4.9
	4.0	3.700	40	10.1	8.2	6.8	5.7
	5.0	4.150	41	11.3	9.1	7.6	6.3
7.0x3.2 Green	3.0	3.550	38	11.0	8.9	7.4	6.2
	4.0	4.100	41	12.7	10.3	8.5	7.1
	5.0	4.600	43	14.2	11.5	9.6	8.0

Rear nozzle color : 3.2mm - orange

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

# 5022 SD



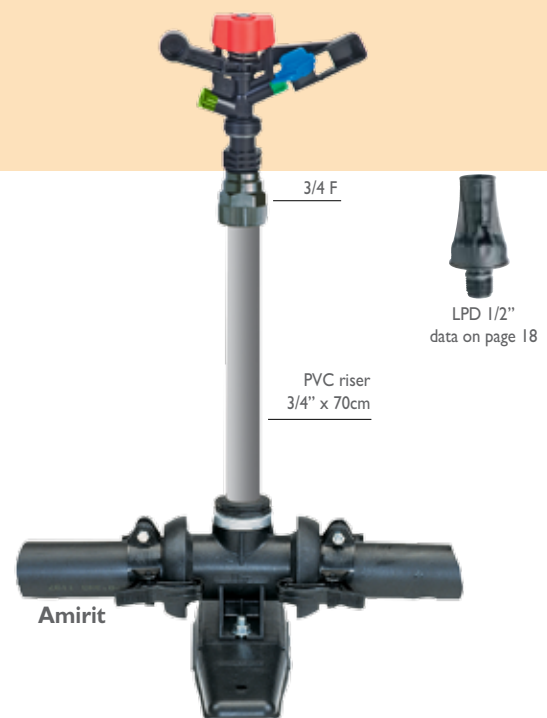
## IrriStand systems

Plastic impact sprinkler, 1/2" male or 3/4" female.

Mounted on riser

**Applications:** irrigation and germination of vegetables, flowers and nursery crops

- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution with single or dual nozzles
- High distribution uniformity up to 14 m
- Reduced sensitivity to clogging and higher resistance to wind
- Designed for short irrigation cycles for germination
- Color-coded bayonet nozzles for easy service
- High impact and heavy-duty plastic materials for resistance to corrosion, chemicals and radiation



**5022 SD PerformanceTable - Single nozzle, Black long SD**

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

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)				
				10x10	10x12	12x12	12x14	14x14
3.0 Red	2.5	0.570	21.0	5.7	4.8	4.0	3.4	2.9
	3.0	0.630	22.0	6.3	5.3	4.4	3.8	3.2
	3.5	0.680	23.0	6.8	5.7	4.7	4.1	3.5
	4.0	0.720	23.0	7.2	6.0	5.0	4.3	3.7
3.2 Green	2.5	0.640	21.2	6.4	5.3	4.4	3.8	3.3
	3.0	0.700	22.2	7.0	5.8	4.9	4.2	3.6
	3.5	0.760	23.0	7.6	6.3	5.3	4.5	3.9
	4.0	0.810	23.0	8.1	6.8	5.6	4.8	4.1
3.5 Blue	2.5	0.740	23.0	7.4	6.2	5.1	4.4	3.8
	3.0	0.810	23.0	8.1	6.8	5.6	4.8	4.1
	3.5	0.870	24.0	8.7	7.3	6.0	5.2	4.4
	4.0	0.930	25.0	9.3	7.8	6.5	5.5	4.7
4.0 Black	2.5	0.950	23.2	9.5	7.9	6.6	5.7	4.8
	3.0	1.030	24.2	10.3	8.6	7.2	6.1	5.3
	3.5	1.110	25.0	11.1	9.3	7.7	6.6	5.7
	4.0	1.180	26.0	11.8	9.8	8.2	7.0	6.0

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above performance table)

**5022 SD PerformanceTable - Dual nozzle, Blue short SD**

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing [m]				
				10x10	10x12	12x12	12x14	14x14
3.0x1.8 Red	2.5	0.760	21.0	7.6	6.3	5.3		
	3.0	0.840	22.0	8.4	7.0	5.8		
	3.5	0.900	23.0	9.0	7.5	6.3		
	4.0	0.970	23.0	9.7	8.1	6.7		
3.2x1.8 Green	2.5	0.820	21.0	8.2	6.8	5.7		
	3.0	0.900	22.0	9.0	7.5	6.3		
	3.5	0.980	23.0	9.8	8.2	6.8		
	4.0	1.040	23.0	10.4	8.7	7.2		
3.5x1.8 Blue	2.5	0.890	23.0	8.9	7.4	6.2	5.3	
	3.0	0.990	23.0	9.9	8.3	6.9	5.9	
	3.5	1.060	24.0	10.6	8.8	7.4	6.3	
	4.0	1.150	24.0	11.5	9.6	8.0	6.8	
4.0x1.8 Black	2.5	1.100	24.0	11.0	9.2	7.6	6.5	5.6
	3.0	1.220	25.0	12.2	10.2	8.5	7.3	6.2
	3.5	1.330	25.0	13.3	11.1	9.2	7.9	6.8
	4.0	1.430	26.0	14.3	11.9	9.9	8.5	7.3

Rear nozzle: 1.8 - Light Green

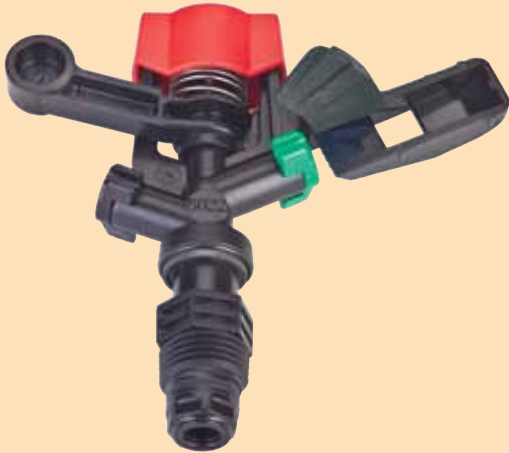
Color code - Distribution uniformity	CU > 92%	CU 88-92%	CU 85-88%	CU < 85%
--------------------------------------	----------	-----------	-----------	----------

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



# 5022 SD



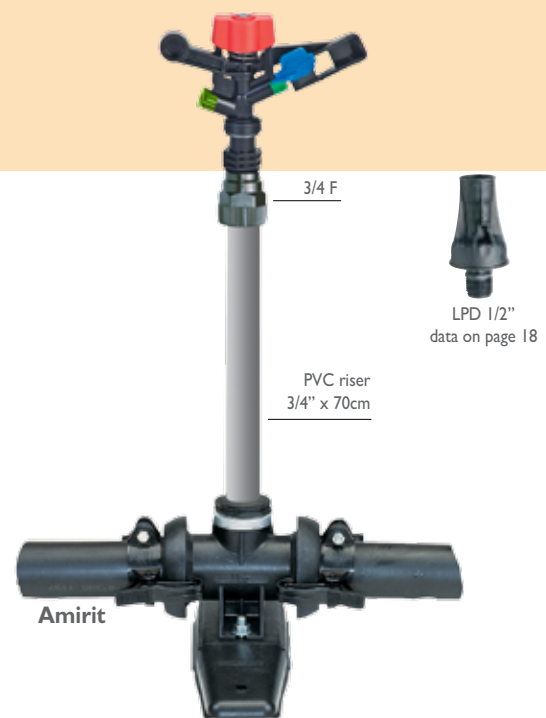
## IrriStand systems

Plastic impact sprinkler, 1/2" male or 3/4" female.

Mounted on riser

**Applications:** irrigation and germination of vegetables, flowers and nursery crops

- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution with single or dual nozzles
- High distribution uniformity up to 14 m
- Reduced sensitivity to clogging and higher resistance to wind
- Designed for short irrigation cycles for germination
- Color-coded bayonet nozzles for easy service
- High impact and heavy-duty plastic materials for resistance to corrosion, chemicals and radiation



**5022 SD PerformanceTable - Single nozzle, Black long SD**

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

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)				
				10x10	10x12	12x12	12x14	14x14
3.0 Red	2.5	0.570	21.0	5.7	4.8	4.0	3.4	2.9
	3.0	0.630	22.0	6.3	5.3	4.4	3.8	3.2
	3.5	0.680	23.0	6.8	5.7	4.7	4.1	3.5
	4.0	0.720	23.0	7.2	6.0	5.0	4.3	3.7
3.2 Green	2.5	0.640	21.2	6.4	5.3	4.4	3.8	3.3
	3.0	0.700	22.2	7.0	5.8	4.9	4.2	3.6
	3.5	0.760	23.0	7.6	6.3	5.3	4.5	3.9
	4.0	0.810	23.0	8.1	6.8	5.6	4.8	4.1
3.5 Blue	2.5	0.740	23.0	7.4	6.2	5.1	4.4	3.8
	3.0	0.810	23.0	8.1	6.8	5.6	4.8	4.1
	3.5	0.870	24.0	8.7	7.3	6.0	5.2	4.4
	4.0	0.930	25.0	9.3	7.8	6.5	5.5	4.7
4.0 Black	2.5	0.950	23.2	9.5	7.9	6.6	5.7	4.8
	3.0	1.030	24.2	10.3	8.6	7.2	6.1	5.3
	3.5	1.110	25.0	11.1	9.3	7.7	6.6	5.7
	4.0	1.180	26.0	11.8	9.8	8.2	7.0	6.0

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above performance table)

**5022 SD PerformanceTable - Dual nozzle, Blue short SD**

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing [m]				
				10x10	10x12	12x12	12x14	14x14
3.0x1.8 Red	2.5	0.760	21.0	7.6	6.3	5.3		
	3.0	0.840	22.0	8.4	7.0	5.8		
	3.5	0.900	23.0	9.0	7.5	6.3		
	4.0	0.970	23.0	9.7	8.1	6.7		
3.2x1.8 Green	2.5	0.820	21.0	8.2	6.8	5.7		
	3.0	0.900	22.0	9.0	7.5	6.3		
	3.5	0.980	23.0	9.8	8.2	6.8		
	4.0	1.040	23.0	10.4	8.7	7.2		
3.5x1.8 Blue	2.5	0.890	23.0	8.9	7.4	6.2	5.3	
	3.0	0.990	23.0	9.9	8.3	6.9	5.9	
	3.5	1.060	24.0	10.6	8.8	7.4	6.3	
	4.0	1.150	24.0	11.5	9.6	8.0	6.8	
4.0x1.8 Black	2.5	1.100	24.0	11.0	9.2	7.6	6.5	5.6
	3.0	1.220	25.0	12.2	10.2	8.5	7.3	6.2
	3.5	1.330	25.0	13.3	11.1	9.2	7.9	6.8
	4.0	1.430	26.0	14.3	11.9	9.9	8.5	7.3

Rear nozzle: 1.8 - Light Green

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

# 5035 SD



## Overhead sprinklers

Plastic impact sprinkler  
3/4" male

**Applications:** general field use with solid-set irrigation systems

- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution with single or dual nozzles
- High water distribution with spacing up to 20m
- Higher resistance to wind
- Color-coded bayonet nozzle for easy service
- Integrated stream-straightening vane for maximum range
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation

5035 SD Performance table - Dual nozzle, Blue short SD

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

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)					
					12x15	12x18	15x15	15x18	18x18	20x20
Red	3.5x2.5L Blue	3.0	1.240	27.2	6.9	5.7	5.5	4.6	3.8	3.1
		4.0	1.430	27.2	7.9	6.6	6.4	5.3	4.4	3.6
		5.0	1.620	27.2	9.0	7.5	7.2	6.0	5.0	4.1
	4.0x2.5L Black	3.0	1.490	28.0	8.3	6.9	6.6	5.5	4.6	3.7
		4.0	1.740	29.0	9.7	8.1	7.7	6.4	5.4	4.4
		5.0	1.950	29.2	10.8	9.0	8.7	7.2	6.0	4.9
Black	4.5x2.5L Brown	3.0	1.790	29.7	9.9	8.3	8.0	6.6	5.5	4.5
		4.0	2.070	30.2	11.5	9.6	9.2	7.7	6.4	5.2
		5.0	2.320	32.2	12.9	10.7	10.3	8.6	7.2	5.8
	5.0x2.5L Purple	3.0	2.110	31.5	11.7	9.8	9.4	7.8	6.5	5.3
		4.0	2.400	33.2	13.3	11.1	10.7	8.9	7.4	6.0
		5.0	2.690	35.2	14.9	12.5	12.0	10.0	8.3	6.7
	5.5x2.5L Orange	3.0	2.390	32.2	13.3	11.1	10.6	8.9	7.4	6.0
		4.0	2.760	34.2	15.3	12.8	12.3	10.2	8.5	6.9
		5.0	3.090	35.0	17.2	14.3	13.7	11.4	9.5	7.7
	6.0x2.5L Red	3.0	2.700	34.2	15.0	12.5	12.0	10.0	8.3	6.8
		4.0	3.160	36.0	17.6	14.6	14.0	11.7	9.8	7.9
		5.0	3.540	34.0	19.7	16.4	15.7	13.1	10.9	8.9

5035 SD Performance table - Singel nozzle, Black long SD

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

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)					
					12x15	12x18	15x15	15x18	18x18	20x20
Red	3.5 Blue	2.5	0.720	24.0	4.0	3.3	3.2			
		3.0	0.790	24.0	4.4	3.7	3.5			
		4.0	0.910	25.0	5.1	4.2	4.0	3.4		
		5.0	1.040	25.0	5.8	4.8	4.6	3.9		
	4.0 Black	2.5	0.950	26.0	5.3	4.4	4.2	3.5		
		3.0	1.040	26.0	5.8	4.8	4.6	3.9		
4.0		1.200	26.0	6.7	5.6	5.3	4.4	3.7		
Black	4.5 Brown	2.5	1.210	28.0	6.7	5.6	5.4	4.5		
		3.0	1.320	28.0	7.3	6.1	5.9	4.9	4.1	
		4.0	1.540	29.0	14.1	11.8	11.3	9.4	7.8	
		5.0	1.710	30.0	9.5	7.9	7.6	6.3	5.3	
	5.0 Purple	2.5	1.460	29.0	8.1	6.8	6.5	5.4	4.5	
		3.0	1.610	29.0	8.9	7.5	7.2	6.0	5.0	4.0
		4.0	1.870	31.0	10.4	8.7	8.3	6.9	5.8	4.7
		5.0	2.100	32.0	11.7	9.7	9.3	7.8	6.5	5.3
	5.5 Orange	2.5	1.760	30.0	9.8	8.1	7.8	6.5	5.4	4.4
		3.0	1.930	31.0	10.7	8.9	8.6	7.1	6.0	4.8
		4.0	2.230	34.0	12.4	10.3	9.9	8.3	6.9	5.6
		5.0	2.490	35.0	13.8	11.5	11.1	9.2	7.7	6.2
6.0 Red		2.5	2.060	30.0	11.4	9.5	9.2	7.6	6.4	5.2
		3.0	2.260	32.0	12.6	10.5	10.0	8.4	7.0	5.7
	4.0	2.620	34.0	14.6	12.1	11.6	9.7	8.1	6.6	
	5.0	2.940	36.0	16.3	13.6	13.1	10.9	9.1	7.4	

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

Performance table under review

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

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above performance table)

# 5035 SD PC



**Overhead sprinklers**  
Part-circle plastic impact sprinkler  
3/4" male

**Applications:** irrigation of edges in various field crops

- Unique and innovative PC (Part Circle) impact sprinkler.
- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution when combined with full circle sprinkler.
- Good performance at low pressure (see chart).
- Color-coded bayonet nozzles for easy service.
- Integrated stream-straightening vane for maximum range.
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation.

**5035 SD PC PERFORMANCE TABLE**

Nozzle color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)
3.5* Blue	2.5	0.720	26
	3.0	0.790	27
	4.0	0.910	27
	5.0	1.020	28
4.0 Black	2.5	0.950	27
	3.0	1.040	28
	4.0	1.200	28
	5.0	1.350	29
4.5 Brown	2.5	1.210	28
	3.0	1.320	30
	4.0	1.540	31
	5.0	1.710	32
5.0 Purple	2.5	1.460	30
	3.0	1.610	31
	4.0	1.870	33
	5.0	2.100	34

\*Standard nozzle

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing





# 6004 SD



## Undertree sprinklers

Very low angle (4°), low volume, plastic 1/2" male impact SD sprinkler

**Applications:** orchards and plantations, especially table grapes and bananas

- 4° low angle facilitates a flat stream, close to the ground, preventing the wetting of foliage.
- Unique hammer with SD (super-diffuser) plate for uniform distribution.
- Special arched water path for maximum coverage diameter.
- Resistance to UV radiation and accidental impact.
- Sprinkler drive mechanism prevents potential damage caused by snails.

6004 SD PERFORMANCE TABLE

Nozzle color (mm)	P (bar)	Q (l/h)	D (m)	MSH* (cm)
2.8 Orange	2.0	480	14.0	25
	2.5	530	15.0	
	3.0	584	16.0	
	3.5	630	17.0	
	4.0	675	17.5	
3.0 Red	2.0	525	14.0	28
	2.5	585	15.0	
	3.0	640	16.0	
	4.0	695	16.5	
	5.0	745	17.0	
3.2 Green	2.0	570	14.5	30
	2.5	640	15.5	
	3.0	700	16.5	
	4.0	765	17.0	
	5.0	815	18.0	

\* MSH - Max. Stream Height (from nozzle)

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



# 6024 SD



## Undertree sprinklers

1/2" male impact plastic SD Sprinkler with low angle (12°) and low volume

**Applications:** orchards and plantations, especially table grapes and bananas for full coverage irrigation

- 12° low angle body with lower trajectory for optimal undertree irrigation
- Unique hammer with SD (super-diffuser) plate for uniform distribution
- Special arched water path for maximum coverage diameter
- Operating pressure range: 2.0 – 4.0 bar
- Smooth slanted planes minimize breakage caused by accidental impact
- Color-coded bayonet nozzles for easy service
- Resistance to UV radiation

**6024 SD PERFORMANCE TABLE**

Nozzle color (mm)	P (bar)	Q (l/h)	D (m)	MSH* (cm)
2.5 Purple	2.0	355	15.0	90
	2.5	400	18.0	
	3.0	440	18.0	
2.8 Orange	2.0	480	18.0	95
	2.5	540	19.0	
	3.0	595	20.0	
3.0 Red	2.0	520	18.0	100
	2.5	585	20.0	
	3.0	640	20.0	
3.2 Green	2.0	595	19.0	103
	2.5	670	20.0	
	3.0	730	20.0	

\* MSH - Max. Stream Height (from nozzle)

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing





# 427B AG-U



## IrriStand systems

Plastic impact sprinkler  
1/2" male or 3/4" female  
mounted on IrriStand 52 or riser

**Applications:** Specifically designed for irrigation of field edges

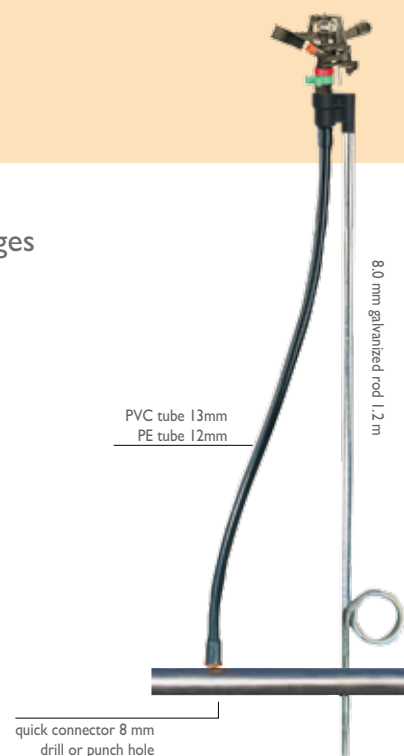
- Spacing up to 14 m
- Color-coded bayonet nozzles for easy service
- Integrated stream-straightening vane for maximum range
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation
- WP - Hammer ensures all water inside pattern and prevents irrigating roads and neighbors.

**427B AG U Performance Table**

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)
2.8 Orange	2.0	0.450	22
	3.0	0.550	23
	4.0	0.630	24

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



# 501, 502



501



502

## Undertree sprinklers

Low angle, low-volume sprinklers  
1/2" male or female

**Applications:** nurseries, orchards and greenhouses

- Turbo hammer mechanism provides excellent water distribution uniformity and smooth operation at low pressure rate
- Fine water droplets prevent formation of crust and drainage, providing perfect germination conditions
- Color-coded nozzles for easy identification
- Simple construction facilitates easy maintenance
- Stainless-steel spring and shaft are resistant to corrosion
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation

### 501 PerformanceTable

Nozzle Color (mm)	P (bar)	Q (l/h)	D (m)	msh (cm)
1.6 Red	1.0	81	8.5	35
	2.0	117	11.0	60
	3.0	144	12.0	70
1.8* Green	1.0	113	9.0	55
	2.0	160	11.5	60
	3.0	196	12.5	70
2.0 Blue	1.0	135	9.5	45
	2.0	195	11.5	55
	3.0	236	13.0	70
2.2 Yellow	1.0	153	9.5	60
	2.0	219	13.0	85
	3.0	267	15.0	95

\*Standard nozzle  
msh = max. stream height (above nozzle)

### 502 PerformanceTable

Nozzle Color (mm)	P (bar)	Q (l/h)	D (m)	msh (cm)
2.5 Orange	1.0	184	11.0	55
	2.0	263	12.0	85
	3.0	318	13.0	95
2.8 Brown	1.0	209	12.0	60
	2.0	299	13.0	90
	3.0	359	14.0	105

msh = max. stream height (above nozzle)

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





# 501-U

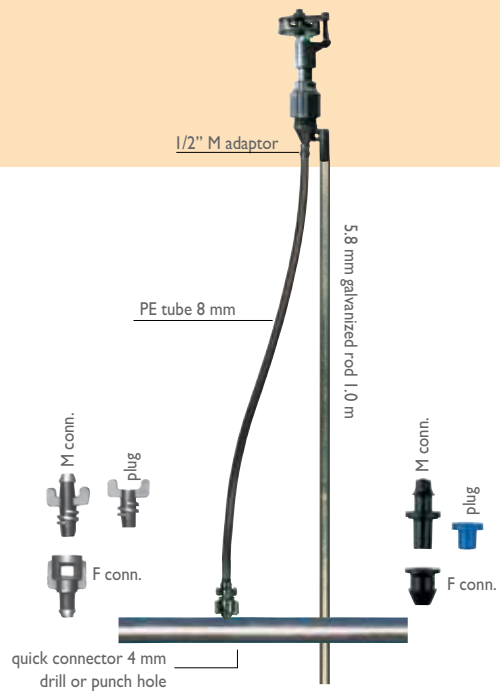


## IrriStand systems

### Turbo hammer low-volume sprinkler mounted on IrriStand 50

**Applications:** vegetables, greenhouses, residential and landscaping

- For spacing up to 8 m
- Excellent water distribution
- Fine water droplets for delicate irrigation of all crops



#### 501-U Performance Table

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

Nozzle Color (mm)	P (bar)	Q (l/h)	D (m)	Spacing (m)				
				6x6	6x7	7x7	7x8	8x8
1.6 Red	1.5	100	12.0	2.8	2.4	2.0	1.8	1.6
	2.0	110	12.0	3.1	2.6	2.2	2.0	1.7
	2.5	130	12.0	3.6	3.1	2.7	2.3	2.0
	3.0	150	12.0	4.2	3.6	3.1	2.7	2.3
	3.5	165	12.5	4.6	3.9	3.4	2.9	2.6
1.8* Green	1.5	150	12.0	4.2	3.6	3.1	2.7	2.3
	2.0	170	13.0	4.7	4.0	3.5	3.0	2.7
	2.5	190	13.0	5.0	4.5	3.9	3.4	3.0
	3.0	210	14.0	5.8	5.0	4.3	3.8	3.3
	3.5	230	14.0	6.4	5.5	4.7	4.1	3.6
2.0 Blue	1.5	160	12.0	4.4	3.8	3.3	2.9	2.5
	2.0	180	13.0	5.0	4.3	3.7	3.2	2.8
	2.5	200	13.0	5.6	4.8	4.1	3.6	3.1
	3.0	220	14.0	6.1	5.2	4.5	3.9	3.4
	3.5	240	14.0	6.7	5.7	4.9	4.3	3.8
2.2 Yellow	1.5	170	13.5	4.7	4.0	3.5	3.0	2.7
	2.0	200	15.0	5.6	4.8	4.1	3.6	3.1
	2.5	215	15.0	6.0	5.1	4.4	3.8	3.4
	3.0	235	15.5	6.5	5.6	4.8	4.2	3.7
	3.5	250	15.5	6.9	6.0	5.1	4.5	3.9

\*Standart nozzle

Color code - Distribution uniformity: CU > 92% (Green), CU 88-92% (Blue), CU 85-88% (Orange), CU < 85% (Yellow)

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



# 502-H



## IrriStand systems

### Turbo hammer low-volume sprinkler mounted on IrriStand 52

**Applications:** vegetables, greenhouses, residential and landscaping

- For extra-range spacing up to 10 m

#### 502-H Performance Table

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

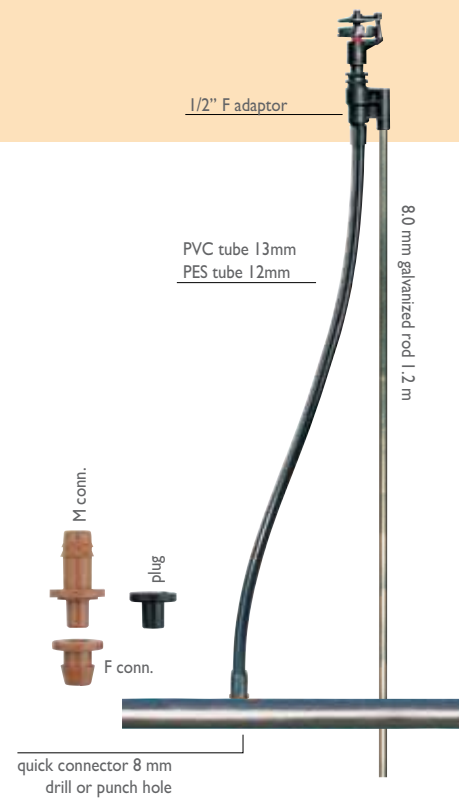
Nozzle Color (mm)	P (bar)	Q (l/h)	D (m)	Spacing (m)				
				8x8	8x9	9x9	9x10	10x10
2.5 Red	1.5	226	13.0	3.5	3.1	2.8	2.5	2.3
	2.0	263	15.0	4.1	3.5	3.2	2.9	2.6
	2.5	292	15.5	4.6	4.0	3.6	3.2	2.9
	3.0	318	16.5	5.0	4.4	3.9	3.5	3.2
	3.5	345	17.0	5.4	4.8	4.2	3.8	3.4

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





# 5022 SD-U



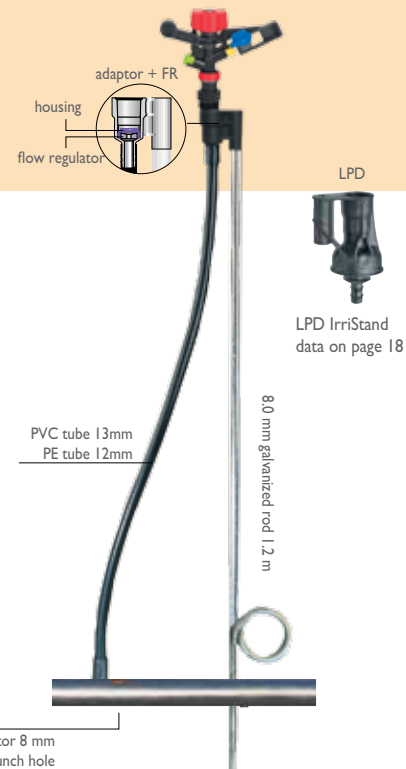
## IrriStand systems

Plastic impact sprinkler, 1/2" male or 3/4" female.

Mounted on IrriStand 52, 53

**Applications:** irrigation and germination of vegetables, flowers and nursery crops

- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution with single or dual nozzles
- High distribution uniformity up to 12 m
- Reduced sensitivity to clogging and higher resistance to wind
- Designed for short irrigation cycles for germination
- Color-coded bayonet nozzles for easy service
- High impact and heavy-duty plastic materials for resistance to corrosion, chemicals and radiation



**5022 SD-U PERFORMANCE TABLE, Dual nozzle, Blue short SD**  
Precipitation rates (mm/hr) and uniformity (CU) at various spacing

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
2.5x1.8 Purple	1.5	0.440	18	5.4	4.9	4.4	4.1	3.7	3.1
	2.0	0.480	19	5.9	5.3	4.8	4.4	4.0	3.3
	2.5	0.535	21	6.6	5.9	5.4	5.0	4.5	3.7
	3.0	0.590	21	7.3	6.6	5.9	5.5	4.9	4.1
	3.5	0.635	21	7.8	7.1	6.4	5.9	5.3	4.4
	4.0	0.685	21	8.5	7.6	6.9	6.3	5.7	4.8
F.R.	30-50	0.590	21.0	7.3	6.6	5.9	5.5	4.9	4.1
2.8x1.8 Orange	1.5	0.510	19	6.3	5.7	5.1	4.7	4.3	3.5
	2.0	0.560	20	6.9	6.2	5.6	5.2	4.7	3.9
	2.5	0.635	21	7.8	7.1	6.4	5.9	5.3	4.4
	3.0	0.690	22	8.5	7.7	6.9	6.4	5.8	4.8
	3.5	0.750	23	9.3	8.3	7.5	6.9	6.3	5.2
	4.0	0.800	22	9.9	8.9	8.0	7.4	6.7	5.6

Rear nozzle: 1.8 - Light Green

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

**5022 SD-U PERFORMANCE TABLE, Single nozzle, Blue short SD**  
Precipitation rates (mm/hr) and uniformity (CU) at various spacing

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
2.5 Purple	1.5	0.310	19	3.8	3.4	3.1	2.9	2.6	2.2
	2.0	0.360	19	4.4	4.0	3.6	3.3	3.0	2.5
	2.5	0.400	20	4.9	4.4	4.0	3.7	3.3	2.8
	3.0	0.440	21	5.4	4.9	4.4	4.1	3.7	3.1
	3.5	0.475	21	5.9	5.3	4.8	4.4	4.0	3.3
	4.0	0.510	21	6.3	5.7	5.1	4.7	4.3	3.5
2.8 Orange	1.5	0.405	19	5.0	4.5	4.1	3.8	3.4	2.8
	2.0	0.475	21	5.9	5.3	4.8	4.4	4.0	3.3
	2.5	0.530	22	6.5	5.9	5.3	4.9	4.4	3.7
	3.0	0.580	22	7.2	6.4	5.8	5.4	4.8	4.0
	3.5	0.625	22	7.7	6.9	6.3	5.8	5.2	4.3
	4.0	0.670	23	8.3	7.4	6.7	6.2	5.6	4.7

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

For single nozzle or dual nozzle sprinkler be sure using the recommended SD unit (appears above performance table)

# 5024 SD



## Undertree sprinklers

1/2" male impact plastic SD sprinkler with low angle (12°) and low volume



Anti-theft adaptor

Wrench for Anti-theft adaptor

**Applications:** orchards and plantations, especially table grapes and bananas, or any other full coverage irrigation in orchards

- 12° low angle body with lower trajectory for optimal undertree irrigation
- Unique hammer with SD (super-diffuser) plate for uniform distribution
- Operating pressure range: 1.5 – 4.0 bar
- High uniformity even at low pressure (1.5 bar)
- Color-coded bayonet nozzles for easy service
- Resistance to UV radiation and accidental impact
- Optional with Anti-theft adaptor



5024 SD PERFORMANCE TABLE

Sleeve color	Nozzle color (mm)	P (bar)	Q (l/h)	D (m)	MSH* (cm)
Red	2.5 Purple	1.5	285	14.0	100
		2.0	350	16.0	
		2.5	390	17.0	
		3.0	430	18.0	
		3.5	460	18.0	
		4.0	490	18.0	
	2.8 Orange	1.5	365	16.0	110
		2.0	450	18.0	
		2.5	500	19.0	
		3.0	550	19.0	
3.5		590	20.0		
4.0		630	20.0		
Black	3.0 Red	1.5	430	17.0	120
		2.0	500	18.0	
		2.5	560	19.0	
		3.0	615	20.0	
		3.5	670	21.0	
	3.2 Green	1.5	510	17.0	125
		2.0	595	18.0	
		2.5	670	19.0	
		3.0	735	20.0	
		3.5	790	21.0	
3.5 Blue	1.5	580	18.0	127	
	2.0	675	19.0		
	2.5	755	20.0		
	3.0	830	21.0		
	3.5	900	22.0		
		4.0	965	23.0	

\* MSH - Max. Stream Height (from nozzle)

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



# 5035 G



## Overhead sprinklers

Plastic impact sprinkler  
1" female

**Applications:** general field use with solid-set irrigation systems

- High water distribution with spacing up to 22m
- Color-coded bayonet nozzle for easy service
- Integrated stream-straightening vane for maximum range
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation

### 5035-G-1" Performance Table

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

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)			
				12x18	18x18	20x20	22x22
6.5x2.5L Grey	3.0	3.070	34.0	14.2	9.5	7.7	6.2
	4.0	3.550	36.5	16.4	11.0	8.9	7.1
	5.0	3.970	37.0	18.4	12.3	9.9	8.0
6.5x3.2 Grey	3.0	3.200	35.0	14.8	9.9	8.0	6.6
	4.0	3.700	37.0	17.1	11.4	9.3	7.6
	5.0	4.150	36.0	19.2	12.8	10.4	8.6
7.0x2.5L Green	3.0	3.450	35.0	16.0	10.6	8.6	7.0
	4.0	3.970	38.5	18.4	12.3	9.9	8.1
	5.0	4.390	37.0	20.3	13.5	11.0	9.0
7.0x3.2 Green	3.0	3.550	35.0	16.4	11.0	8.9	7.3
	4.0	4.100	37.0	19.0	12.7	10.3	8.5
	5.0	4.600	35.0	21.3	14.2	11.5	9.5

\*Standard nozzle  
Rear nozzle color : 2.5L - grey; 3.2 mm - orange

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



# 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 <sup>3</sup> /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



# 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 <sup>3</sup> /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

# 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 <sup>3</sup> /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



# 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%
--------------------------------------	----------	-----------	-----------	-----------	----------

# Opal



## Undertree sprinklers

Sprinkler with silicone motioncontroller, 1/2" or 3/8" male thread and female Acme thread

**Applications:** For irrigation of orchards, nurseries, greenhouses and open-field vegetables

### Main features

- Optimum water distribution with 9°, 15° and 24° trajectories for a wide range of applications
- Unique swivel for protection against snails
- Low impact droplet and low application rate
- Recommended pressure: 2.0 - 3.5 bar
- Flow range: 65 - 490 l/h
- High resistance to breakage, corrosion, UV radiation and fertilizers



1/2" male thread

female acme thread

3/8" male thread

### Opal PerformanceTable

Swivel	Nozzle	Color	FLOW IN LPH					D (m)	msh (cm)
			P (BAR)						
			1.5	2	2.5	3	3.5		
Z7 9° red	1.1	L. Blue	60	65	75	80	85	9.2-10.2	20-30
	1.2	L. Purple	70	80	90	100	105		
	1.3	Dk.Green	80	90	100	110	120		
Z8 9° white	1.4	L. Yellow	95	110	120	135	145	12.5-13.2	50-60
	1.5	Red	105	125	140	150	160		
Z9 9° blue	1.6	Gray	125	150	165	180	195	12.5-13.5	70-85
	1.8	White	155	180	200	220	235		
	2.0	Blue	190	215	245	265	285		
Z10 15° purple	1.6	Gray	125	150	165	180	195	14.2-14.6	150-160
	1.8	White	155	180	200	220	235		
	2.0	Blue	190	215	245	265	285		
Z11 15° orange	2.2	Orange	230	265	295	325	350	16.8-17.2	135-145
	2.4	Purple	270	315	350	380	415		
	2.6	Yellow	320	370	415	455	490		
Z12 24° brown	2.2	Orange	230	265	295	325	350	16.2-17.2	175-185
	2.4	Purple	270	315	350	380	415		
	2.6	Yellow	320	370	415	455	490		

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing





# Super I0



## IrriStand systems

Extra-range, ball-driven  
sprinkler mounted on IrriStand  
52

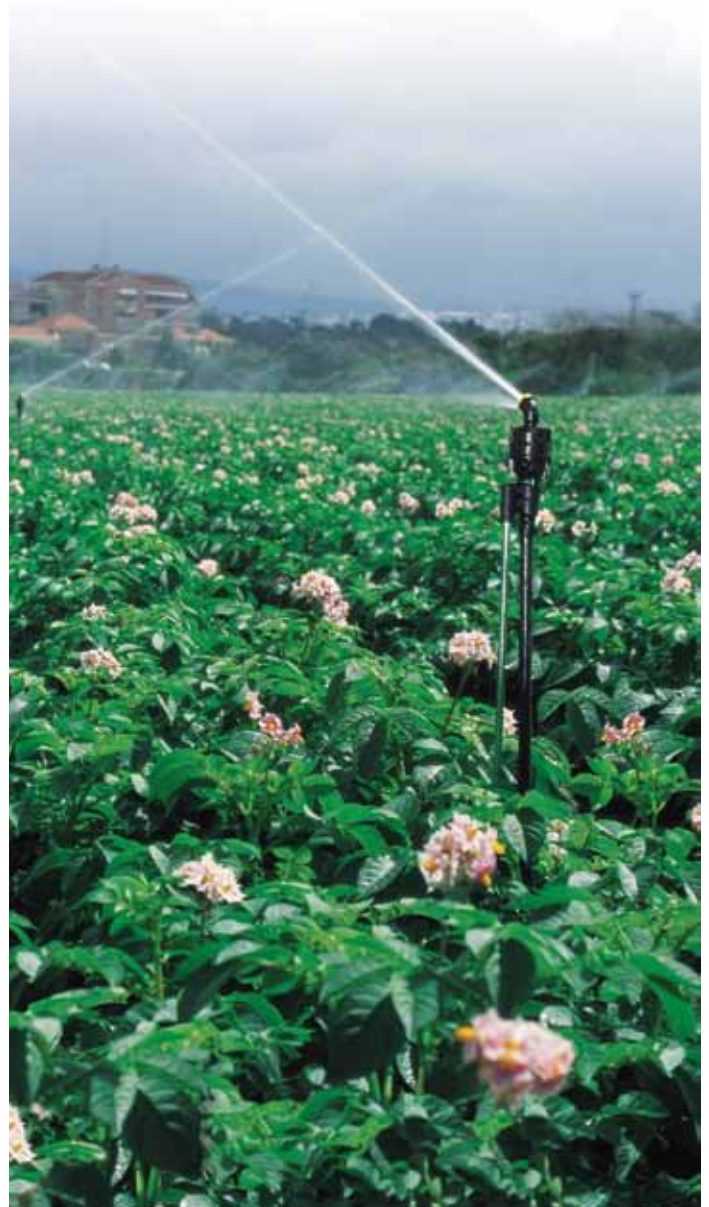
**Applications:** field crops, greenhouses,  
residential and landscaping  
For extra-range spacing up to 12 m

- Compact, sturdy, closed and protected ball engine
- Bayonet nozzle for easy service
- Optional Flow Regulator (F.R.)
- High water distribution
- Brown nozzle for road protector only

### Super I0 Performance Table

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

Nozzle Color	P (bar)	Q (l/h)	D (m)	Precipitation rates (mm/hr) Spacing (m)					
				9x9	9x10	10x10	9x12	10x12	12x12
Blue	2.5	360	17.0	4.5	4	3.6			
	3.0	395	17.0	4.8	4.4	3.9			
	3.5	425	16.5	5.2	4.7	4.2			
	4.0	455	16.0	5.6	5.1	4.6			
F.R.	3.0-5.0	360	18.0	4.5	4	3.6			
Yellow	2.5	450	20.0	5.5	5	4.5	4.1	3.7	3.1
	3.0	495	20.0	6.1	5.5	4.9	4.6	4.1	3.4
	3.5	530	19.5	6.5	5.9	5.3	4.9	4.4	3.7
	4.0	570	19.0	7	6.3	5.7	5.3	4.7	3.9
F.R.	3.0-5.0	450	20.0	5.5	5	4.5	4.2	3.7	3.1
Green	2.5	550	20.0	6.7	6	5.4	5	4.5	3.8
	3.0	600	20.0	7.4	6.7	6	5.6	5	4.2
	3.5	650	20.0	8	7.2	6.5	6	5.4	4.5
	4.0	695	19.5	8.6	7.7	6.9	6.4	5.8	4.8
F.R.	3.0-5.0	550	20.0	6.8	6.1	5.5	5.1	4.6	3.8
Red	2.5	670	20.5	8.2	7.4	6.6	6.1	5.5	4.6
	3.0	735	20.5	9	8.1	7.3	6.8	6.1	5.1
	3.5	790	20.0	9.7	8.7	7.8	7.3	6.5	5.4
	4.0	850	20.0	10.4	9.4	8.4	7.8	7	5.9
F.R.	3.0-5.0	670	20.5	8.2	7.4	6.6	6.2	5.5	4.6

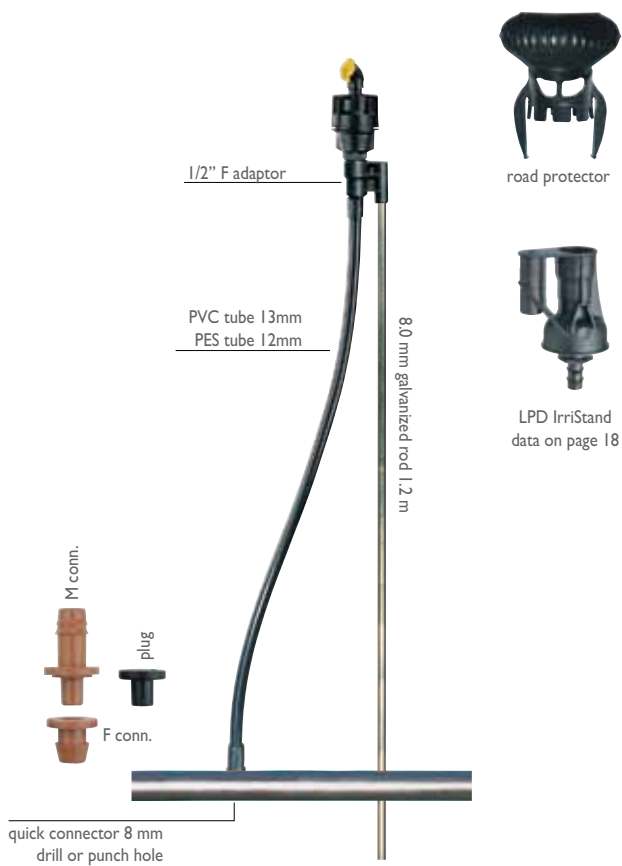


Color code - Distribution uniformity    CU > 92%    CU 88-92%    CU 85-88%    CU < 85%

F.R. = Flow Regulator

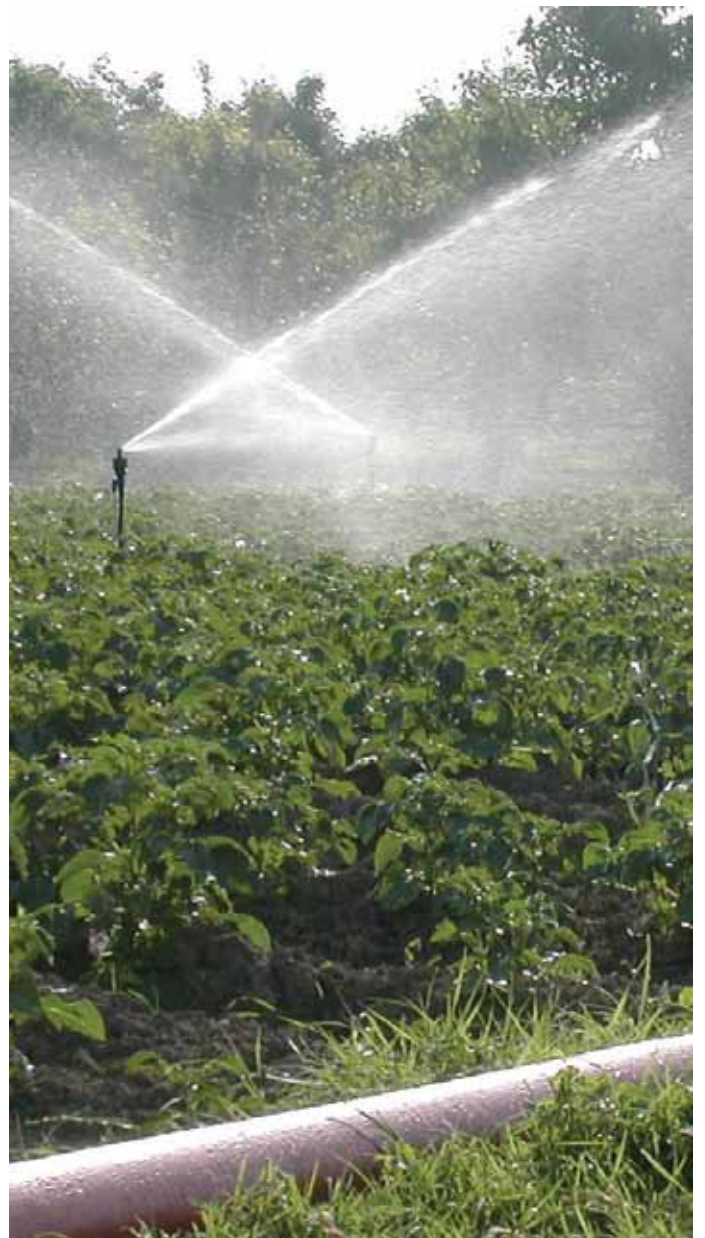
\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing



**Brown nozzle for Road Protector only**

Nozzle Color	P (bar)	Q (l/h)	D (m)
Brown*	2.5	320	19
	3.0	350	19
	3.5	380	19
	4.0	405	19
F.R.	3.0-5.0	320	19





# Super 10 LA



Super 10 Low Angle 10°  
Blue Nozzle Body



Super 10 Low Angle 14°  
Red Nozzle Body

## Undertree sprinklers

Low angle, Low-volume, ball-driven sprinkler  
1/2" male

**Applications:** orchards, vineyards and banana plantations.

- Available with two different low angles 10° and 14°
- High-impact, heavy-duty plastic materials provide resistance to corrosion fertilizers and UV radiation
- Compact, sturdy, closed and protected ball engine
- Color-coded bayonet nozzle for easy operation and service
- Optional Flow Regulator
- Operating pressure – 2.5-4.0 bar w/o regulator  
3.0-5.0 bar with regulator



Super 10 LA Performance table

			Super 10 Low Angle 10° Blue Nozzle Body		Super 10 Low Angle 14° Red Nozzle Body	
Nozzle Color	P (bar)	Q (l/h)	D (m)	msh (cm)	D (m)	msh (cm)
Violet	2.5	360	15.5	60	17.5	90
	3.0	395	16	62	18	99
	3.5	425	16	64	18	111
	4.0	455	16	68	18	114
F.R.	3.0-5.0	360	15.5	60	17.5	90
Yellow	2.5	450	16.5	50	17.5	100
	3.0	495	16.5	55	18	105
	3.5	530	17	60	18	110
	4.0	570	16.5	65	17.5	115
F.R.	3.0-5.0	450	16.5	50	18.5	100
Green	2.5	550	16	55	16	105
	3.0	600	16.5	60	17.5	110
	3.5	650	17	70	18	115
	4.0	695	16.5	80	18.5	120
F.R.	3.0-5.0	550	16.5	60	18	100
Red	2.5	670	16.5	60	18.5	110
	3.0	735	17	65	19	115
	3.5	790	17.5	70	19	120
	4.0	850	17	80	19	125
F.R.	3.0-5.0	670	17	70	19	120

msh = max. stream height (above nozzle)

\* Performance table prepared under laboratory conditions

\* For windy conditions use closer spacing

### Product range

		Super 10 Low Angle 10° Blue Nozzle Body		Super 10 Low Angle 14° Red Nozzle Body	
Nozzle Color (mm)	Q (l/h)	Super 10 Catalog no.	Super 10 Regulated Catalog no.	Super 10 Catalog no.	Super 10 Regulated Catalog no.
Violet	360	335344	336344	335744	336744
Yellow	450	335346	336346	335746	336746
Green	550	335342	336342	335742	336742
Red	670	335347	336347	335747	336747

Super 10 Regulated with silver base

**NEW**

# 5022 SD PC (Part Circle)



## Overhead sprinklers

Plastic impact sprinkler, 1/2" male or 3/4" female. Mounted on riser

- Most efficient irrigation of field boundaries with best uniformity
- Patent pending interchangeable PC kit.
- PC unit snaps into rear nozzle place for easy assembling and dismantling.

Can easily change full-circle sprinkler into part-circle sprinkler by:

**Applications:** irrigation and fertigation of edges in field crops, such as potatoes, carrots, and flowers

- Unique and innovative modular PC mechanism.
- Easily change full circle sprinkler into part circle sprinkler and vice versa.
- Unique hammer combined with SD (Super Diffuser) plate designed for uniform distribution even at low operation pressure (1.5 bar).
- Spacing up to 14 m.
- Combining with full-circle sprinkler ensures that 100% of the water remains within the irrigation area.
- Wide range of flow rates makes it the ideal partner for every full-circle sprinkler in any crop or field.
- High-impact, heavy-duty plastic materials provide resistance to corrosion, chemicals and UV radiation.

**5022 SD PC PERFORMANCE TABLE**

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)
Red	2.5 Purple	1.5	0.320	19.00
		2.0	0.375	20.00
		2.5	0.420	21.00
		3.0	0.460	21.50
		3.5	0.490	22.00
	2.8 Orange	4.0	0.525	22.00
		1.5	0.415	21.50
		2.0	0.475	22.00
		2.5	0.530	22.50
		3.0	0.580	23.00
Black	3.0 Red	3.5	0.630	23.00
		4.0	0.680	23.50
		1.5	0.445	21.00
		2.0	0.520	21.50
		2.5	0.575	22.00
	3.2 Green	3.0	0.625	22.50
		3.5	0.680	23.00
		4.0	0.730	23.00
		1.5	0.520	21.00
		2.0	0.590	21.50
	2.5	0.660	22.50	
	3.0	0.725	23.50	
	3.5	0.770	23.50	
	4.0	0.835	24.00	

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

### 1 Assembling two sector rings



### 2 Replacing the rear nozzle or plug with the PC mechanism



### 3



**Note:** With PC sprinkler on field boundaries, use nozzle size smaller than nozzles of the full circle sprinklers



# 6025 SD



## Overhead sprinklers

Plastic impact sprinkler, 1/2" male or 3/4" female on riser



**Applications:** irrigation and germination of vegetables, field crops and flowers

- Unique hammer combined with SD (super diffuser) plate - designed for uniform distribution with single or dual nozzles
- Special arched water path facilitates wider radius of throw, reducing the number of sprinklers required per unit area
- High distribution uniformity up to 16 m
- Reduced sensitivity to clogging and higher resistance to wind
- Designed for short irrigation cycles for germination
- Color-coded bayonet nozzles for easy service
- Solid construction with full protection of spring and axle area
- High impact and heavy-duty plastic materials for resistance to corrosion, chemicals and radiation



\* On stand 52 only with nozzles 2.8 & 3.0 mm using the rod with loop (code: 493652) and adaptor (code: 482820)

On riser for all nozzles

### 6025-SD PERFORMANCE TABLE

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

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)	Spacing (m)					
				12x12	12x14	12x15	14x14	15x15	16x16
2.8 Orange	2.5	0.540	19	3.8	3.2	3.0			
	3.0	0.595	21	4.1	3.5	3.3	3.0		
	3.5	0.640	21	4.4	3.8	3.6	3.3		
	4.0	0.685	22	4.8	4.1	3.8	3.5		
3.0 Red	2.5	0.585	21	4.1	3.5	3.3	3.0		
	3.0	0.640	23	4.4	3.8	3.6	3.3		
	3.5	0.690	23	4.8	4.1	3.3	3.5		
	4.0	0.735	23	5.1	4.4	4.1	3.8		
3.2 Green	2.5	0.670	23	4.7	4.0	3.7	3.4	3.0	
	3.0	0.730	23	5.1	4.3	4.1	3.7	3.2	
	3.5	0.790	24	5.5	4.7	4.4	4.0	3.5	
	4.0	0.840	24	5.8	5.0	4.7	4.3	3.7	
3.5 Blue	2.5	0.780	24	5.4	4.6	4.3	4.0	3.5	3.0
	3.0	0.850	24	5.9	5.1	4.7	4.3	3.8	3.3
	3.5	0.920	24	6.4	5.5	5.1	4.7	4.1	3.6
	4.0	0.980	25	6.8	5.8	5.4	5.0	4.4	3.8
4.0 Black	2.5	1.005	26	7.0	6.0	5.6	5.1	4.5	3.9
	3.0	1.100	26	7.6	6.5	6.1	5.6	4.9	4.3
	3.5	1.185	27	8.2	7.1	6.6	6.1	5.3	4.6
	4.0	1.270	27	8.8	7.6	7.1	6.5	5.6	5.0

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

# 233 PC



## Overhead Part-Circle Metal Sprinkler

3/4" part-circle metal impact sprinkler for field boundaries to achieve high uniformity when combined with full-circle sprinklers

**Specifically designed for irrigating field boundaries and edges**

**Applications:** Full coverage overhead irrigation of field crops and pastures

- 3/4" metal adjustable part-circle sprinkler
- Available with both male and female BSP or NPT end connections
- Unique plastic part-circle mechanism
- High water distribution with spacing up to 20 m
- Color-coded bayonet nozzle for easy service
- Stream-straightening vane for maximum range
- Red cap protects drive spring

233 PC PERFORMANCE TABLE

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)
4.0 Black	3.0	1.040	28.0
	4.0	1.200	29.0
	5.0	1.350	29.0
4.5 Brown	3.0	1.320	31.0
	4.0	1.540	32.0
	5.0	1.710	32.0
5.0 Purple	3.0	1.610	33.0
	4.0	1.870	34.0
	5.0	2.100	35.0





# 233 PC



## Overhead Part-Circle Metal Sprinkler

3/4" part-circle metal impact sprinkler for field boundaries to achieve high uniformity when combined with full-circle sprinklers

**Specifically designed for irrigating field boundaries and edges**

**Applications:** Full coverage overhead irrigation of field crops and pastures

- 3/4" metal adjustable part-circle sprinkler
- Available with both male and female BSP or NPT end connections
- Unique plastic part-circle mechanism
- High water distribution with spacing up to 20 m
- Color-coded bayonet nozzle for easy service
- Stream-straightening vane for maximum range
- Red cap protects drive spring

233 PC PERFORMANCE TABLE

Nozzle Color (mm)	P (bar)	Q (m <sup>3</sup> /h)	D (m)
4.0 Black	3.0	1.040	28.0
	4.0	1.200	29.0
	5.0	1.350	29.0
4.5 Brown	3.0	1.320	31.0
	4.0	1.540	32.0
	5.0	1.710	32.0
5.0 Purple	3.0	1.610	33.0
	4.0	1.870	34.0
	5.0	2.100	35.0

