

# 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%
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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 <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.