

233 & 234 Sprinkler



**Heavy duty metal construction overhead sprinkler
for enhanced durability**

233 & 234 Impact Sprinkler

- High water distribution
- Easy service
- Durability for optimal performance

233B - 3/4"- male / female - a heavy duty metal sprinkler for enhanced durability

233 is a metal impact sprinkler designed for precision irrigation. With a structure built for high water distribution and spacing capabilities up to 20 meters, the 233 ensures efficient coverage for your fields. Its color-coded bayonet nozzle simplifies service and maintenance, while the integrated stream-straightening vane maximizes range.

Built to withstand challenging conditions, the 233 features a sand and dust protection sleeve for reliable operation and durability. The red cap provides complete sealing, protecting the drive spring from frost damage. The addition of the new rear nozzle 2.5L enhances overall performance, making the 233 an ideal choice for overhead irrigation in crops with solid-set, mechanized, or handline systems. Whether irrigating vineyards, orchards, or vegetables, the 233 excels, even under frost conditions.

In addition to the 233, the 233 PC model offers specialized irrigation for field boundaries and edges. This 3/4" metal adjustable part-circle sprinkler, available with both male and female BSP or NPT end connections, features a unique plastic part-circle mechanism.

Combining seamlessly with full-circle sprinklers, the 233 PC becomes a reliable choice for achieving high uniformity in full coverage overhead irrigation of field crops and pastures.



Technical data



Spacing between sprinklers:
12-20 m



Recommended
working pressure:
3.0-5.0 bar

Performance Table

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

Sleeve color	Nozzle color (mm)	P (bar)	Q (m³/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*x2.5L 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=89-92%		CU=85-88%		CU<85%		

*Standard nozzle

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 - 3/4" - male / female

Sleeve Color	Nozzle Color (mm)	P (bar)	Q (m³/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.

233B PC -3/4" - male / female

Nozzle Color (mm)	P (bar)	Q (m³/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

234 - 1" - femelle - for even longer spacing

The 234, a 1" female metal impact sprinkler, is suitable for overhead irrigation, and can be used with solid-set, mechanized, or moveable systems. It features high water distribution with spacing capabilities up to 24 meters and its color-coded bayonet nozzles simplify maintenance.

The sand and dust protection sleeve ensures reliable operation and durability, while the red cap seals and protects the drive spring, safeguarding it from frost damage.



Technical data

	Spacing between sprinklers: 18-24 m
	Recommended working pressure: 3.0-5.0 bar

Performance Table

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

Nozzles color mm	P (bar)	Q (m ³ /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	9.8	8.0	6.6	5.5
	4.0	3.700	40	11.4	9.3	7.7	6.4
	5.0	4.150	41	12.8	10.4	8.6	7.2
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

Color code distribution uniformity	CU>92%	CU=89-92%	CU=85-88%	CU<85%
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Rear nozzle color : 3.2mm - orange

Performance table prepared under laboratory conditions

For windy conditions use closer spacing

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