New

Robin

AQ-230

The AQ-230 macro sprinkler is designed with a unique cam rotor that delivers eccentric rotation, allowing for large-area coverage with exceptional uniformity at lower pressures. Its advanced rotor trajectory significantly extends the wetted diameter, ensuring comprehensive water distribution. With its high-volume, low-pressure operation, the AQ-230 is perfect for overhead irrigation and well-suited for horticultural applications, delivering efficient and reliable performance across various settings.



HIGHLIGHTS

- **Innovative Design:** This unique macro sprinkler has a special cam design, that provides eccentric rotation to cover large area with excellent uniformity at lower pressure, thus ensuring higher irrigation efficiency & the crop yield.
- It's a high volume, low pressure plastic macro sprinkler with a vibration less and smooth rotating rotor for overhead irrigation to cover large areas.
- Ideal for windy conditions.
- Bridge less design to eliminate dry patches.
- Fine water droplets ensure no impact on soil structure.
- **Extended Coverage:** Innovative trajectory of rotor gives exceptionally extended wetted diameter for matching wide spacing with very low evaporation rate.
- **Easy Maintenance:** Its innovative internal mechanism helps remove sand & dirt particles to prevent clogging of sprinkler.
- Ease of maintenance with bayonet nozzle & 4 part design.
- **Easy To Use:** Nozzle retrofits all 1/2" & 3/4" sprinkler connection.

TECHNICAL DATA

- Flow rates: 255 - 1350 LPH (1.1 - 6.0 GPM).
- Recommended pressure ranges : 0.7 - 2.0 kg/cm^2 (10 - 28 psi).
- Wetted diameter : 12.0 - 17.0 mtr (39 - 56 ft.)
- Recommended filtration: 120mesh



Performance Table

Nozzle Size/Colour	Pressure		Flow Rate		Wetted Diameter		Precipitation rate (mm/hr.) Rectangular Spacing (m)				
mm / inch	kg/cm²	psi	LPH	GPM	mtr.	ft.	4x4	5x5	6x6	7x7	8x8
2.8mm / 7/64" BROWN	0.7	10	255	1.1	12.0	39.4	15.9	10.2	7.1	5.2	4.0
	1.0	14	305	1.3	14.0	45.9	19.1	12.2	8.5	6.2	4.8
	1.25	18	340	1.5	14.5	47.6	21.3	13.6	9.4	6.9	5.3
	1.5	21	370	1.6	15.0	49.2	23.1	14.8	10.3	7.6	5.8
	1.75	25	400	1.8	15.5	50.8	25.0	16.0	11.1	8.2	6.3
	2.0	28	430	1.9	16.0	52.5	26.9	17.2	11.9	8.8	6.7
3.2mm / 1/8" GREEN	0.7	10	335	1.5	12.0	39.4	20.9	13.4	9.3	6.8	5.2
	1.0	14	400	1.8	14.5	47.6	25	16	11.1	8.2	6.2
	1.25	18	450	2.0	14.5	47.6	28	17.9	12.4	9.1	7
	1.5	21	490	2.2	15.0	49.2	30.6	19.6	13.6	10	7.6
	1.75	25	530	2.3	15.5	50.9	33.1	21.2	14.7	10.8	8.3
	2.0	28	565	2.5	16.0	52.5	35.2	22.5	15.6	11.5	8.8
4.0mm / 5/32" ORANGE	0.7	10	500	2.2	13.0	42.7	31.3	20	13.9	10.2	7.8
	1.0	14	600	2.6	14.5	47.6	37.6	24	16.7	12.3	9.4
	1.25	18	670	2.9	15.0	49.2	41.7	26.7	18.5	13.6	10.4
	1.5	21	735	3.2	15.5	50.9	45.9	29.4	20.4	15	11.5
	1.75	25	800	3.5	16.0	52.5	49.9	31.9	22.2	16.3	12.5
	2.0	28	850	3.7	16.5	54.1	53	33.9	23.5	17.3	13.2
4.5mm / 11/64" GREY	0.7	10	670	2.9	13.5	44.3	41.8	26.8	18.6	13.6	10.5
	1.0	14	800	3.5	15.0	49.3	49.9	31.9	22.2	16.3	12.5
	1.25	18	900	4.0	15.5	50.9	56.2	36	25	18.4	14.1
	1.5	21	980	4.3	16.0	52.5	61.2	39.2	27.2	20	15.3
	1.75	25	1050	4.6	16.0	52.4	65.6	42	29.1	21.4	16.4
	2.0	28	1130	5.0	16.5	54.1	70.6	45.2	31.4	23	17.6
5.0mm / 13/64" PURPLE	0.7	10	800	3.5	14.5	47.6	49.9	32	22.2	16.3	12.5
	1.0	14	950	4.2	15.0	49.2	59.2	37.9	26.3	19.3	14.8
	1.25	18	1060	4.7	16.0	52.5	66.1	42.3	29.4	21.6	16.5
	1.5	21	1170	5.1	16.5	54.1	73.2	46.8	32.5	23.9	18.3
	1.8	25	1260	5.5	17.0	55.8	78.7	50.4	35	25.7	19.7
	2.0	28	1350	5.9	17.0	55.8	84.3	54	37.5	27.5	21.1

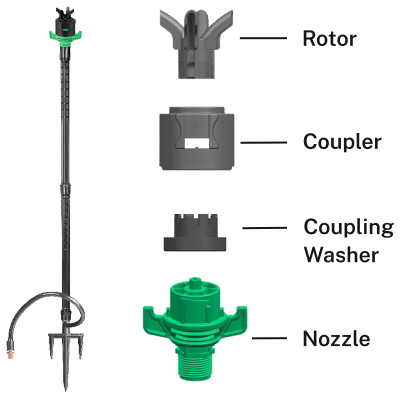
Colour codes of distribution uniformity

CDU < 75%	75% ≤ CDU < 80%	80% ≤ CDU < 85%	85% ≤CDU < 90%	CDU≥90%

Performance test under laboratory condition with 50cm (1.6 ft.) riser height.
Stream heights range from 100 to 180cm (3.3 - 5.9 ft.) from height of the nozzle.

Nozzle Sizes				
2.8mm	3.2mm	4.0mm	4.5mm	5.0mm
				
Connections Size: ½"			Connections Size: ¾"	

Robin Assembly



Plastic Riser Stand

Creating a Green World®