

New

ROBIN

HT-230

The HT-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 HT-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/cm² (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/cm ² | psi | LPH | GPM | mtr. | ft. | 4x4 | 5x5 | 6x6 | 7x7 |
| 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 |

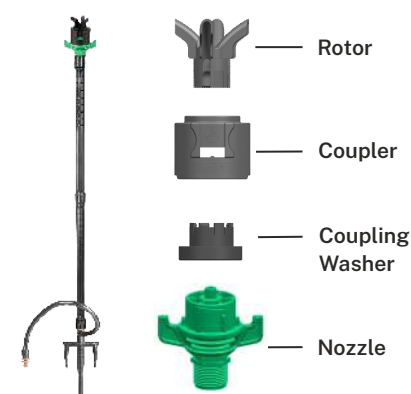
Colour codes of distribution uniformity

| | | | | |
|-----------|-----------------|-----------------|-----------------|-----------|
| 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: 1/2" | | | Connections Size: 3/4" | |

Robin Assembly



Plastic Riser Stand