

Series 8XX Insect Protected "Bridge" Mini Sprinklers

A series of high performance "single-bridge" mini sprinklers with a robust design and a nozzle protection swivels which shut off after operation to prevent insects and dirt from entering the water passages and disturbing regular irrigation. The range of models and flow rates and the uniform distribution covers a wide range of applications.

The 8XX series includes the following models:

- Model 831 - Large wetting diameter.
- Model 841 - Large/Medium wetting diameter
- Model 850 Part circle - This unique product covers a sector of 200°. Adding deflector enables to reduce the part circle and irrigate 180°.

Features:

- Robust bridge design for harsh field conditions.
- Anti-insect design – Swivel seals the nozzle once the water is shut off.
- Uniform distribution in wide range of flow rates
- Special engineering raw materials for long life and durability.
- Large drops for added wind resistance.
- Special bridge design prevents dripping.
- Series 8XX can be supplied as PC (pressure compensated) emitter.
- Energy & Water saving: Emitters can operate at low pressure of 1bar (14.5psi) and flow rates as low as 14 lph (0.062 gpm).

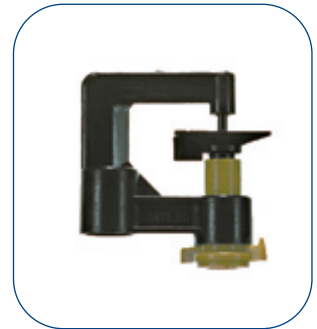
Technical Specifications:

- Wide range of nozzles to meet all applications:
 - 14 - 240 liters per hour (0.062 - 1.06 gpm).
 - Nominal Flow rate at 2.0 bar (29 psi).
 - Optimal operating pressure range
 - 1.0 - 2.5 bar (14.5 - 36 psi).
 - Wetting diameter: 5.5 - 10.4 m, (18 - 33Ft).
 - Recommended Filtration:
 - 100 mesh for flow rates up to 40 lph, (0.176 gpm).
 - 80 mesh for flows up to 90 lph, (0.396 gpm).
 - 60 mesh for flows up to 240 lph, (1.06 gpm).
- * TAVLIT manufactures a range of plastic filters

Model 831 Insect - Protected, Large Wetting Diameter

Applications:

- The product is designed for irrigation of mature trees with large root zone.
- Due to the high uniformity and large diameter, the emitter can be installed between two trees.
- Product can be used for low precipitation rate and high uniformity overlapping irrigation in greenhouses, flower beds and vegetables.
- Can be used for frost protection and cooling systems.
- Applicable for Parks and home gardens.



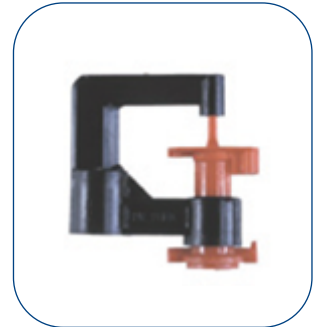
Technical Specifications:

- Wide range of nozzles to meet all applications:
 - 16 - 240 liters per hour (0.070 - 1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Recommended working pressure range:
 - 1.0 – 2.5 bar (14.5 - 36 psi).
- Insect Protected – nozzle shuts off after operation.
- Single jet swivel. Strong propulsion which increases whenever distributed by any obstacle-Operates smoothly even in harsh conditions.
- Large wetting diameter: 5.5 - 10.4 m, (18 - 33 Ft).
- Recommended overlapping spacing in wind protected areas:
- Upright position:
 - Rectangular spacing position up to 6X6 m (20x20Ft).
 - One row of emitters, up to 6.0 m, (20 Ft) hot house width
 - Two rows of emitters, up to 12 m, (39 Ft) hot house width.
- Series 8XX can be supplied as PC (pressure compensated) emitter.
- Energy & Water saving: Emitters can operate at low pressure of 1bar (14.5psi) and flow rates as low as 14 lph (0.062 gpm). Please consult TAVLIT.

Model 841 Insect - Protected, Medium/Large Wetting Diameter

Applications:

- The product is designed for irrigation of Orchards, Avocado, Mango Kiwi, etc.
- Product can be used in systems where working pressure is low or regular.
- Applicable for parks and home gardens.



Technical Specifications:

- Wide range of nozzles to meet all applications:
 - 35 - 160 liters per hour (0.154 - 0.704 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range
 - 1.0 – 2.5 bar (14.5 - 36 psi).
- Insect Protected – nozzle shuts off after operation.
- Single jet swivel. Strong propulsion which increases whenever distributed by any obstacle-Operates smoothly even in harsh conditions.
- Large/Medium wetting diameter, 4.9 – 8.0 m, (16 - 26 Ft).
- Recommended overlapping spacing in wind protected areas:
- Upright position:
 - Rectangular spacing position up to 5X5 m (16X16 Ft).
 - One row of emitters, up to 6.0 m, (20 Ft) hot house width
 - Two rows of emitters, up to 12 m, (39 Ft) hot house width.
- Series 8XX can be supplied as PC (pressure compensated) emitter.
- Energy & Water saving: Emitters can operate at low pressure of 1bar (14.5psi) and flow rates as low as 16 lph (0.070 gpm). Please consult TAVLIT.

Model 850 Part Circle Dynamic Mini Sprinkler

Applications:

- Landscape and home gardens.
- Trees, on both sides of the tree in order to prevent wetting of
- The tree trunk.
- Irrigation at the edge of a field in order to prevent water runoff.
- Strip irrigation, by setting the mini sprinklers in overlapping position, on both sides of the strip.



Special Features:

- The 850 model is a dynamic mini sprinkler that irrigates uniformly a part circle area with fine drops without creating mist.
- Standard operation – 200° part circle.
- With deflector, (Model 850D) the irrigated circle can be reduced to 180°. This device can be added and removed easily.

Technical Specifications:

- Product can be supplied with 50, 70, 90 lph, (0.264, 0.396, 0.462 gpm), nozzles.
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range:
 - 1.4-2 bar (20 - 29 psi).
- Wetting radius 3-3.5 m, (10 - 11Ft).
- Insect Protected – nozzle shuts off after operation.