



EIN DOR EMITTERS
Sprinklers and Sprayers

2021





Ein-Dor Emitters

For the past 40 years Ein-Dor products have been in the forefront of technology and innovation when it comes to micro irrigation.

Following the 2009 purchase of Ein-dor/Agridor, Tavlit now supplies a wide range of sprinklers, micro-sprinklers, sprayers and foggers including low pressure/flow rate emitters of the highest quality.

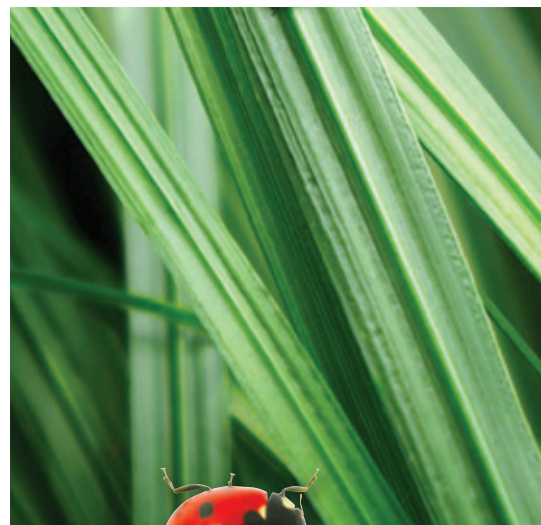
These emitters complement well the time-proven line of TAVLIT classic products of Water and irrigation, and allow us to enhance our value offer to our customers. All of TAVLIT emitters are known for their excellent performance, accuracy and uniform water distribution and can be supplied in a wide range of flow rates and wetting diameters in order to cover customers' requirements with regards to the following:

- **Irrigation of young and mature trees, orchards, citrus groves, banana plantations, avocado, stone fruits etc.**
- **Overlapping irrigation of vegetables such as potatoes, onion, leaves and other vegetables that require uniform distribution and low precipitation rate.**
- **Seedling and germination**
- **Irrigation and misting in Hot-houses and Nurseries.**
- **Irrigation of Home gardens and Parks.**
- **Frost protection and Cooling systems.**
- **Climate Control**

The wide selection of solutions offered by TAVLIT emitters' flow rates and wetting diameters enable the users to save water and energy by covering the needed area evenly and without wasting water.



Energy&Water Saving:
Very low flow rates and
low pressure emitters.



120-300 @ 2.0 Atm (300.0 l/h) Height 70 Cm
Rectangular Spacing : 7.00m X 7.00m

7.00m

7.00m

Average Rain Rate 6.12 mm/h

Cu 91.65% De 86.40%

The software is constantly updated on line. Please refer to our web site (www.tavlit.co.il)



Series 86X Mini Compact - No Bridge Mini Sprinklers

These emitters are the most advanced and time proven mini sprinklers with unique patented mechanism, firm construction without a bridge for uniform distribution and excellent performance even in difficult conditions. The 86X series includes the following models:

- **Model 861** Large wetting diameter. Can also be used in inverted position.
- **Model 862** Medium wetting diameter. Optional **RJC – removable Jet converter** to reduce the wetting diameter for young plants/trees.
- **Model 863** Small wetting diameter with low flow rates, from 20 l/h (0.09 gpm) and large droplets. Optional **RJC – removable Jet converter** to reduce the wetting diameter for young plants/trees.
- **Model 866** Flat angle with Large wetting diameter for inverted position.

Features:

- Unique patented mechanism with strong propulsion- Smooth operation even in harsh conditions.
- Firm construction without a bridge-Uniform water distribution.
- Anti-insect design – Swivel seals the nozzle once the water is shut off.
- Integral nozzle filter – Protects the nozzle from debris in the water.

- Special engineering raw materials for long life and durability.
- Large drops for added wind resistance.
- Special design prevents sprays and water runoff.
- **86X series can be supplied as pressure compensated emitters.**
- **Energy & Water saving: Emitters can operate at low pressure of 1bar (14.5 psi) and low flow rates.**

Technical Specifications:

- Wide range of nozzles to meet all applications 20-160 liters per hour (0.09-0.70 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range 1.0-2.2 bar (14.5-32.0 psi).
- Working pressure maximum range 1-3 bar (14.5-43.5 psi).
- Optimal working pressure range 1.0-2.2 bar (14.5-32.0 psi).
- Wetting diameter: 5.5-9.0 m (18-30 Ft).
- Recommended Filtration:
100 mesh for flow rates up to 40 lph (0.17 gpm)
80 mesh for flows up to 90 lph (0.39 gpm)
60 mesh for flows up to 160 lph (0.07 gpm)



Model 861 - Large Wetting Diameter

Applications:

- The product is designed for irrigation of mature trees with large root zone.
- Product can be used for low precipitation rate and high uniformity overlapping irrigation in greenhouses.
- Product can be used for upside down irrigation in greenhouses and nurseries in places where a lower angle of throw is required.
- Applicable for landscape, cooling and frost protection systems.

Technical Specifications:

- Wide range of nozzles to meet all applications 35-160 liters per hour (0.15-0.70 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).

- Working pressure maximum range 1-3 bar (14.5-43.5 psi).
- Optimal working pressure range 1.4-2.2 bar (20-32 psi).
- Large wetting diameter: 5.5-9.0 m (18-30Ft).
- Recommended overlapping spacing in wind protected areas:
Upright position up to 6X6 m (20x20Ft).
Inverted:
Rectangular overlapping up to 5x5 meters (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.
- **861 series can be supplied as PC (pressure compensated) emitter.**



862 Mini Compact - Small/Medium Wetting Diameter



Applications

- The product is designed for irrigation of young or mature trees with medium or small root zone.
- Product can be used for low precipitation rate and high uniformity overlapping irrigation in greenhouses.
- Applicable for landscape and home gardening.

Special Features:

- The 862 mini-sprinkler can be supplied with **RJC** (Removable Jet Converter) - a device that converts the water jet into large droplets spread evenly on a small diameter and is intended for irrigation of young plantations.
- This RJC can be removed easily once the tree grows and a larger wetting diameter is required.

Technical Specifications:

- Wide range of nozzles to meet all applications 35-160 liters per hour (0.15-0.70 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Working pressure maximum range 0.8-2.5 bar (11.5-36.5 psi).
- Optimal pressure range 1.0-2.0 bar (14.5-29.0 psi).
- Large/Medium wetting diameter 3.8-7.2 m (12-24 Ft).
- Recommended overlapping spacing up to 4x4 m (13x13 Ft) in wind protected areas.
- **862 series can be supplied as PC (pressure compensated) model.**



863 Mini Compact - Small Wetting Diameter



Applications

- The product is designed for irrigation of young or mature trees with small root zone.
- Applicable for landscape and home gardening.

Special Features:

- The product combines very low flow rates, from 20 l/h (0.09 gpm) with relatively large droplets.
- The 863 mini-sprinkler can be supplied with **RJC** (Removable Jet Converter), a device that converts the water jet into large droplets spread evenly on a small diameter and is intended for irrigation of young plantation.
This device can be removed easily once the tree grows and a larger wetting diameter is required.
- Product nozzle is equipped with NFR (nozzle flow reducer), enabling low flow with a relatively large nozzle that prevents clogging.

Technical Specifications:

- Product can be supplied with 20, 40, 50 lph, (0.09, 0.18, 0.26 gpm), nozzle.
- Nominal Flow rate at 2.0 bar (29 psi).
- Working pressure maximum range 1.5-3.0 bar (22-43 psi).
- Medium wetting diameter 3.8m (12Ft).
- **863 series can be supplied as PC (pressure compensated) model.**





866 Mini Compact - Large Wetting Diameter for inverted position

Applications:

- The product is designed for overlapping irrigation at upside down position.
- The product combines low precipitation rate and high uniformity overlapping irrigation.
- Product can be used in greenhouses, and nurseries for germination and seedling.
- Product can be used for cooling and micro climate systems in Chicken coops, animal houses and greenhouses.
- The use of the NDV is highly recommended in order to keep the laterals full of water, preventing dripping from the emitters and saving water.

Technical Specifications:

- Wide range of nozzles to meet all applications 35-160 liters per hour (0.15-0.70 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Working pressure maximum range 1-3 bar (14.5-43.5)
- Optimal working pressure range 2.0-2.2 bar (29-32 psi).
- Large wetting diameter up to 9.0 m (30 Ft).
- Recommended overlapping spacing, inverted:
Rectangular up to 6X6 m (20X20 Ft).
Single row up to 6.5 m (21 Ft) hothouse width.
Two rows up to 12 m (39 Ft) hothouse width.

86X wetting diameter at 2.0 bars (29 PSI)

Nozzle Diameter		Nozzle Color	Flow Rate		861		862		863		866	
mm	inch		lph	gpm	m	Ft	m	Ft	m	Ft	m	Ft
0.9*	0.031*	●	20	0.09					3.8	12		
0.8	0.035	●	35	0.15	5.5	18	3.8	12			5.5	18
0.9	0.039	●	40	0.18	5.5	18	4.6	15	4.6	15	5.5	18
1.0	0.043	●	50	0.22	6.3	21	5.5	18			6.3	21
1.2*	0.050*	●	50	0.22					5.0	18		
1.1	0.047	●	60	0.26	6.9	23	5.7	19			6.9	23
1.2	0.050	●	70	0.31	7.0	23	6.0	20			7.0	23
1.3	0.055	●	90	0.39	7.0	23	6.5	21			7.0	23
1.4	0.058	●	105	0.46	7.5	25	6.5	21			7.5	25
1.5	0.066	●	120	0.53	8.1	27	6.5	21			8.1	27
1.7	0.070	●	140	0.62	8.5	28	7.0	23			8.5	28
1.8	0.071	●	160	0.70	9.0	30	7.2	24			9.0	30

*with NFR





Flow Regulated Emitters

The newest line by TAVLIT combines our well known high performance mini sprinklers into a flow regulation solution which is easy to use and maintain, yet economical and efficient. The highly reliable solution is based on a new set of nozzles available for 861 and 863 series and for 831 series of mini sprinklers, using a classic silicon rubber design with wide water passages.

Features:

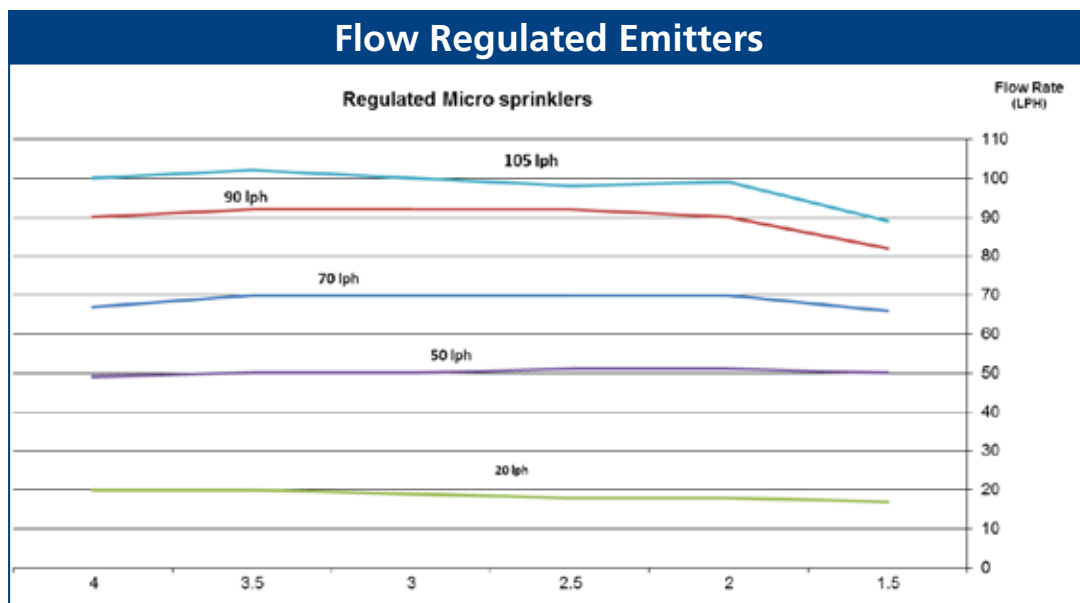
- Very economic, high performance emitters.
- Uniform flow rates regardless the inlet pressure.
- Wide water passages to prevent clogging.
- Easy disassembly for maintenance.



Technical Specifications:

- Wide range of nozzles to meet all applications:
- Flow regulating range: 1.5- 4 bar (21-58 psi).
- Available flow rates:
 - 20, 35, 50, 70, 90, 105 lph.
 - (0.09, 0.15, 0.22, 0.31, 0.39, 0.46 gpm).
- Additional flow rates are under development.
- Connections:
 - 3/8" F x 4/7 barb adaptor.
 - 3/8" F x 1/2" F coupler.

Wetting diameters								
Flow rate		Nozzle color	831PC		863PC		861PC	
l/h	gpm		m	Ft	m	Ft	m	Ft
20	0.09	●	4.3	14.0	2.3	7.6	3.0	10.0
35	0.15	●	6.6	22.0	4.6	15.0	5.0	16.5
50	0.22	●	7.4	24.5	5.6	18.5	6.3	21.0
70	0.31	●	8.8	29.0	5.9	19.5	6.7	22.0
90	0.39	●	8.8	29.0	6.0	20.0		
105	0.46	●	9.0	29.7	6.3	21.0		





560 - Modular Flow regulators.

Flow regulated emitters keep the flow constant regardless changes in the inlet pressure.

Applications:

- Used in irrigation systems installed in slopes and difficult topographic conditions in order to guarantee the right flow in each emitter.
- In irrigation systems where the pressure fluctuate.
- In systems with longer laterals or smaller diameter pipes. The 560 flow regulator is a modular flow regulator that can be connected to any TAVLIT emitter. Flow rate is determined by the flow regulated and the following chart explains clearly the right combinations. For additional combinations please consult TAVLIT customer service.

Features:

- Can be connected to a wide range of emitters.
- Uniform flow rates regardless the inlet pressure.
- Large water passage.
- Includes an integral filter.
- Easy maintenance; debris can be flushed away with water jet from the other

Technical specifications:

- Flow regulation range: 1.5 - 4 bar (21-58 psi).
- Available flow rates: 20, 25, 32, 50.
- Model 560F - for models 861, 862 and sprayer heads models 44XX.
- Model 560M - For models 831, 841.



Technical Specification

Flow Regulator	560-020			560-025			560-040			560-050		
Flow Rate	20 lph (0.09 gpm)			25 lph (0.11 gpm)			40 lph (0.18 gpm)			50 lph (0.22 gpm)		
Emitter connected to the flow regulator	Model	Wetting Diameter		Model	Wetting Diameter		Model	Wetting Diameter		Model	Wetting Diameter	
		m	Ft		m	Ft		m	Ft		m	Ft
861	861-035	4.5	14.8	861-040	5.4	17.7	861-060	5.5	18.0	861-070	6.2	20.3
862	862-035	3.7	12.0	862-040	3.9	12.8	862-060	4.7	15.4	862-070	5.1	16.7
831	831-035	4.1	13.5	831-040	5.5	18.0	831-060	6.1	20.0	831-070	7.5	24.6
841	841-035	4.0	13.0	841-040	5.0	16.4	841-060	5.3	17.4	841-070	6.5	21.3
4460				4560-020	3.2	10.5	4560-040	3.2	10.5	4560-040	3.5	11.5
4461				4561-020	3.2	10.5	4561-040	3.2	10.5	4561-040	3.5	11.5
4462	4562-020	2.4	7.8	4562-020	3.5	11.5	4562-040	3.5	11.5	4562-040	3.5	11.5
4463	4562-020	0.7	2.3	4562-020	0.9	2.9	4562-040	0.9	2.9	4562-040	0.9	2.9

The 45XX is special model of the 44XX suited to the flow regulator.



530 Non Drip Valve

The **530 NDV** is a water pressure valve that opens only when the water opens and pressure reaches the preset pressure and closes when the water is closed and pressure drops.

Applications:

- Prevents drainage of the pipes and dripping from the emitters when opening and closing the water system.
- Used in hot houses and nurseries irrigation, misting and seedlings and rooting.
- When the area is sloped the NDV prevents overflowing from the emitters in the lower end of the field when closing the water.
- Chicken coops and animal houses cooling systems.
- Used in pulse irrigation systems
- The NDV guarantees that the water pipes are kept full and therefore water is not wasted and cycles can be shorter.



Features:

- Wide water passage, low head loss.
- Stainless steel spring ensures long lasting, uniform and accurate operation.
- Can be connected to the emitter from both sides (male or female connection).
- Can be connected to all mini sprinklers
- 4 Models are available:

Model	Opening pressure		Closing pressure		Water Flow
	bar	psi	bar	psi	
530-L	1.0±0.1	14.5±1.45	0.4±0.1	5.8±1.45	Bi Directional
530-H	1.5±0.2	21.7±2.9	0.7±0.1	10.1±1.45	Bi Directional
530-X	2.5±0.2	36.2±2.9	1.5±0.1	21.7±1.45	Arrow direction only
530-Y	3.5±0.2	50.7±2.9	2.5±0.1	36.2±1.45	Arrow direction only

500 Emitter pressure Regulator

The 500 pressure regulator is used in order to maintain constant operating pressure at the emitter inlet despite pressure fluctuations in the irrigation system or higher pressure than required. The pressure regulator is installed at the emitter inlet by "press-fit" connection.

Applications

- Used in areas with high slopes and difficult topographic conditions.
- Applicable in areas with high inlet pressure. Using the pressure regulator enables the use of smaller diameter pipes and longer laterals.

Features

- Most economic pressure regulator of its type.
- Other pressure pre-sets can be available upon request.



Contact Tavlit

Technical Specifications:

- The 500 pressure regulator can be connected to all emitters within the range of flow rates.
- Three models are available:
 - Model 500-14; Regulated pressure 1.4 bar (20 psi), used for flow rates: 35 to 160 lph (0.15-0.70 gpm).
 - Model 500-20; Regulated pressure 2.0 bar (29 psi), used for flow rates: 35 to 160 lph (0.15-0.70 gpm).
 - Model 500-20H; Regulated pressure 2.0 bar (29 psi), used for flow rates: 160 to 300 lph (0.70-1.32 gpm).
- The pressure Regulator does not affect the uniform water distribution of the attached emitter.
- Wide water passages prevents clogging.
- Modular, connects by "press-fit" design.
- Special engineering raw materials and stainless steel spring for long life and durability.



Sprinklers Series 900, 920



Sprinkler Series 920

This series of low volume, double jet sprinklers is ideal for overlapping irrigation of open fields, combining low flow rates, large diameter of throw and uniform distribution.

The sprinklers operate on a patented concept, based on a turbine mechanism, as a result it irrigates with a smooth and balanced operation. The two jets design gives better resistance to wind conditions and uniform distribution. The large diameter of throw and the uniform distribution enables large spacing, up to 10X10 m (33X33 Ft).

Applications

- Ideal for crops that are sensitive to uniform water distribution, such as Vegetables, Carrots, potatoes, Onions and Greens.
- Also applicable for Nurseries, Green Houses, Cooling and Frost Protection.
- Full coverage of plantation (Banana, Avocado, Kiwi, Mature trees etc.).
- Parks and Gardens.

Technical Specifications

- Insect Protected – Sprinkler shuts off after irrigation.
- Integral Inlet Filter.
- Available in: 180, 200, 240, 300, 400, 450 l/h, (0.77, 0.88, 1.06, 1.32, 1.76, 1.98 gpm).
- Working pressure maximum range 2-3 (29-43 psi) bars.
- Optimal operating pressure: 2.2-3.0 bar (32-43 psi).
- Overlapping Spacing: up to 10 x 10 m (33 x 33 ft).
- Wetting Diameter 14-16 m (46-53 ft).
- Trajectory Angle 12°.
- Required Filtration - 60 mesh.
- Special engineering raw materials for long life and durability.

Available connections:

- Female Thread: 1/2", 3/4".
- New- Male thread 1/2".
- Plunger for PE tube 5/8".
- Press fit for collar and 9/13 PVC tube.



1/2" Male Thread





Sprinkler Series 900

The 900 sprinkler is an economic and high performance sprinkler. The product simple construction and the press fit assembly offers

the user a more economical solution for overlapping low flow irrigation since the emitter can be connected directly to the lateral with a plunger.

The 900 series operates on a patented concept based on Ein Dor proven water turbine and as a result irrigates with a smooth and balanced operation.

The two jets design gives better resistance to wind conditions and ensures uniform water distribution.

Applications

- Ideal for irrigation of green houses and nurseries, in and above the green house for:
- Nurseries, Green Houses, Cooling and Frost Protection.

Technical Specifications

- Simple construction.
- Available in: 180, 200, 240, 300 lph, (0.79, 0.88, 1.06, 1.32 gpm).
- Optimal operating pressure: 2.0-2.5 bar (29-36 psi).
- Overlapping Spacing: up 9 x 9 m (30 x 30 ft).
- Wetting Diameter 14-16 m (46-53 ft).
- Required Filtration - 60 mesh.
- Special engineering raw materials for long life and durability.

Available connections:

- Plunger for PE tube 5/8".
- Press fit for collar and 9/13 PVC tube.

Technical Data

Model	Nozzle Diameter		Nozzle Color	Flow Rate		Wetting diameter		Overlapping Spacing	
	mm	inch		l/h	gpm	m	Ft	m	Ft
961	1.5	0.059	●	120	0.528	12	39	7x7	23x23
961	0.8	0.070	●	160	0.704	12.5	41	7x7	23x23
900/920	1.9	0.074	●	180	0.790	14	46	7x7	23x23
900/920	2.0	0.078	●	200	0.880	14	46	7x7	23x23
900/920	2.2	0.086	●	240	0.060	15	49	10x10*	33x33
900/920	2.4	0.094	●	300	1.320	15	49	10x10*	33x33
920	2.7	0.105	●	400	1.760	14	46	7x7	23x23
920	2.8	0.109	●	450	1.980	14	46	7x7	23x23

Rectangular Spacing at 70 cm (2Ft) height and operational pressure of 2 Bar (29 PSI)

*Model 920



Sprinkler Series 961

This series of low flow rates sprinklers expand the range of sprinklers TAVLIT offers with two flow rates, 120 , 160 lph (0.53, 0.70 gpm), enabling growers to reduce precipitation rate and still enjoy the benefits of TAVLIT sprinklers with regards to uniformity, trouble free operation and simple installation. The 961 series operates on a patented concept based on Ein Dor proven water turbine and as a result irrigates with a smooth and balanced operation. The one jet design enables the use of low flow rates and still keep the large overlapping spacing.

Applications

- Ideal for crops that are sensitive to uniform water distribution, such as Vegetables, Carrots, potatoes, Onions, Greens and other crops that require low precipitation rates.
- Also applicable for Nurseries, Green Houses, Cooling and Frost Protection.
- Full coverage of plantation (Banana, Avocado, Kiwi, Mature trees etc.).
- Parks and Gardens.

Technical Specifications

- Insect Protected –Sprinkler shuts off after irrigation.
- Integral Inlet Filter.
- Available in: 120, 160 lph (0.53, 0.70 gpm). Other flow rates are under development.
- Optimal operating pressure range: 2.0-2.5 bar (29-36 psi).
- Overlapping Spacing: up 7 x 7 m (23 x 23 ft).
- Wetting Diameter 12.5 m (41ft).
- Required Filtration - 60 mesh.
- Special engineering raw materials for long life and durability.

Available connections:

- Plunger for PE tube 5/8" .
- Press fit for collar and 9/13 PVC tube.



Part Circle model 961-P

This product, offered in 120 lph (0.528 gpm) is an adjustable part circle sprinkler that can be adjusted easily to irrigate any sector for example an arc of 90°or 270°.

Applications

- For the edge of fields irrigated with full circle sprinklers in order not to wet the road and save water.
- For Home gardens and landscape.
- Can be used to irrigate wide strips and medians by spacing the sprinklers on both sides of the strip at spacings up to 8X8 m (26x26 Ft).

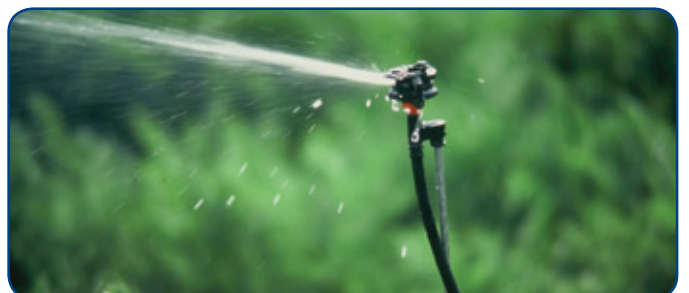
Technical Specifications

- Insect Protected – Sprinkler shuts off after irrigation.
- Integral Inlet Filter.
- Currently available in: 120 lph (0.53 gpm). Other flow rates are under development.
- Optimal operating pressure: 2.0-2.5 bar (29-36 psi).

- Overlapping Spacing: up 8 x 8 m (26 x 26 ft), for wide strips and medians.
- Wetting Radius: 7 m (23 ft).
- Required Filtration - 60 mesh.
- Special engineering raw materials for long life and durability.

Available connections:

- Plunger for PE tube 5/8" .
- Press fit for collar and 9/13 PVC tube.





EXL Foggers



Applications:

- Used primarily for climate control – Reduction of temp and adding humidity to the air.
- Used for germination, rooting and seedling.
- Also applicable for humidity controlled environment.
- Used for reducing high temperature and creating micro climate conditions in greenhouses, chicken coops and animal houses.

Features:

- Very small droplets allow in air evaporation and minimal wetting of the ground.
- Incorporates a vortex design, breaking the water droplet to a fine mist.
- Modular, lightweight and easy to install, maintain and configure.
- Three part construction with O-Ring for a tight seal and leak proof.

Technical specification:

- Engineering raw materials:
Body - Polyester (PBT),
O-Ring - EPDM.
- Nominal flow rate at 3.5 bar, (51 psi).
- Operating pressure: 2.5 to 5.5 bar, (36-80 psi).
- Cover Diameter: 60-120cm, (2-4 Feet).
- Pattern 360°.
- Trajectory angle 80° to 100°.
- Average droplet size 60 to 100 micron, (2.5-4.0 mil).
- Installation Spacing defers by application, please consult the product technical page or contact TAVLIT.
- Recommended Filtration: 200 mesh (80 micron).
- The use of NDV is highly recommended in order to prevent dripping, keep the laterals full and save water.



Metric Units

Flow rates (L/H) versus pressure (bar), single head:

Nozzle size (micron)	Nozzle color	Nominal flow rate (L/H)	2.5 bar	2.8 bar	3.2 bar	3.5 bar	3.9 bar	4.2 bar	4.6 bar	4.9 bar
26	●	3	2.9	3.1	3.2	3.3	3.3	3.4	3.4	3.6
33	●	4	3.3	3.5	3.8	3.9	4.1	4.3	4.4	4.6
51	●	6	5.2	5.7	5.8	6.0	6.2	6.5	6.6	6.9
63	●	8	6.4	6.9	7.3	7.7	7.9	8.3	8.6	8.8
89	●	12	9.2	9.9	10.6	11.1	11.5	12.0	12.4	13.0

U.S. Units

Flow rates (gpm) versus pressure (psi), single head:

Nozzle size (micro-inch)	Nozzle color	Nominal flow rate (gpm)	36 psi	41 psi	46 psi	51 psi	56 psi	61 psi	67 psi	71 psi
1.02	●	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.015	0.016
1.30	●	0.018	0.015	0.015	0.017	0.017	0.018	0.019	0.019	0.020
2.01	●	0.026	0.023	0.025	0.026	0.026	0.027	0.029	0.029	0.030
2.48	●	0.035	0.028	0.030	0.032	0.034	0.035	0.037	0.038	0.039
3.50	●	0.053	0.040	0.044	0.047	0.049	0.051	0.053	0.055	0.057



Series 8XX Insect Protected "bridge" Mini Sprinklers

A series of high performance "single-bridge" mini sprinklers with a robust design and a nozzle protection swivel which shuts off after operation to prevent insects and dirt from entering the water passages and disturbing regular irrigation. The variety 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 a deflector enables to reduce the sector 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.
- **8XX series can be supplied as PC (pressure compensated) emitter.**
- **Energy&Water saving** - Emitters can operate at low

pressure of 1bar (14.5 psi) and flow rates as low as 14lph (0.06 gpm). Please consult TAVLIT.

• Technical Specifications:

- Wide range of nozzles to meet all applications 14-240 liters per hour (0.06-1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range 1.0-2.5 bar (14.5-36.0 psi).
- Wetting diameter: 5.5-10.4 m (18-33 Ft).
- Recommended Filtration:
100 mesh for flow rates up to 40 lph (0.18 gpm)
80 mesh for flows up to 90 lph (0.39 gpm)
60 mesh for flows up to 240 lph (1.06 gpm)



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 (0.07-1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range: 1.0-2.5 bar (14.5-36.0 psi).

- Insect Protected – nozzle shuts off after operation.
- Single jet swivel. Strong propulsion which increases whenever disturbed 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 up to 6X6 m (20X20 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.
- **831 series can be supplied as PC (pressure compensated) emitter.**
- **Energy&Water saving** - Series 831 can operate at low pressure of 1bar (14.5 psi) and flow rates as low as 16lph (0.07 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 14-240 liters per hour (0.06-1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range 1.0-2.5 bar (14.5-36.0 psi).

- Insect Protected – nozzle shuts off after operation.
- Single jet swivel. Strong propulsion which increases whenever disturbed 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 up to 5X5 m (16X16Ft).
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.
- **841 series can be supplied as PC (pressure compensated) emitter.**
- **Energy&Water saving** - Series 841 can operate at low pressure of 1bar (14.5 psi) and flow rates as low as 14lph (0.06 gpm). Please consult TAVLIT.



Model 850 Part Circle Dynamic Mini Sprinkler

Applications

- Landscape and home gardens.
- Irrigation at the edge of a field in order to prevent water runoff.
- Trees - on both sides of the tree to avoid wetting of the trunk.
- 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, (0.26, 0.39, 0.46gpm), nozzle.
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal operating pressure range 1.4-2.0 bar (20-29 psi).
- Wetting radius 3.0-3.5m (10-11Ft).
- Insect Protected – nozzle shuts off after operation.

Max. Wetting D at 2 Bar (29 psi)

Nozzle Diameter			Flow Rate		831		841		850	
mm	inch		lph	gpm	m	Ft	m	Ft	m	Ft
0.8*	0.035	○	14	0.06	2.5	8.2				
0.8*	0.035	○	16	0.07			4.1	13.5		
0.8*	0.035	○	18	0.08			3.9	12.8		
1.0*	0.043	○	21	0.09	4.0	13.1				
0.8*	0.035	○	25	0.11	5.5	18				
0.8	0.035	●	35	0.15	5.7	19	4.9	16		
0.9	0.039	●	40	0.18	6.1	20	5.3	17		
1.0	0.043	●	50	0.22	6.8	22	6.0	20	3.0	10
1.1	0.047	●	60	0.26	6.9	23	6.1	20		
1.2	0.050	●	70	0.31	8.0	26	6.8	22	3.5	11
1.3	0.055	●	90	0.39	8.0	26	6.9	23	3.5	11
1.4	0.058	●	105	0.46	8.5	28	7.1	23		
1.5	0.066	●	120	0.53	8.9	29	7.9	26		
1.7	0.070	●	140	0.62	9.8	32	7.9	26		
1.8	0.071	●	160	0.70	10.0	33	8.0	26		
2.0	0.078	●	200	0.88	10.2	33				
2.2	0.086	●	240	1.06	10.4	34				

* with NFR





Series 4XXX Static Emitters



Energy and
water saving

This series of excellent static emitters includes a wide range of sprayer heads and flow rates to cover various water distribution patterns and wetting diameters.

The superb performance offered by the 4XXX series allows its use in speciality requirements of agricultural and landscape irrigation.

Applications

- For Irrigation of: trees, Vines and young plantations.
- Applicable for narrow bed, strips, sector areas, potted plants.
- Can be used for Landscape and Home gardening.
- Frost protection.

Features



















- NFR - Nozzle Flow Reducer, enabling a low flow with a relatively large nozzle that prevents clogging.
- Firm Construction - For harsh field conditions.
- Static Operation - No moving parts ensures trouble free operation.

Excellent Performance-Irrigates with fine drops and no mist.






Technical Specifications

- Range of flow rates to meet various requirements: 12-180 lph (0.05-0.79 gpm).
- **Additional flow rates and patterns are possible, please consult TAVLIT.**
- Nominal flow rates at 2.0 bar (29psi).
- Operating pressure: 1.5-3.5 bar (22-52 psi).
- Sprayer head are color coded for easy identification.
- **Series 4xxx can be supplied as PC Energy&Water saving- Emitters can operate at low pressure of 1bar (14.5 psi) and flow rates as low as 12lph (0.05 gpm) Please consult TAVLIT**
- Recommended Filtration:
100 mesh for flow rates up to 40 lph (0.18 gpm).
80 mesh for flows up to 90 lph (0.39 gpm).
60 mesh for flows up to 160 lph (0.70 gpm).

Wetting Area (meters) at 2bar and 25 cm height

Nozzle		lph	4460	4461	4462	4463	4452	4454	4442*	4444**
1.0		20			2.4	0.7			0.5x0.8 dist 1.5m	
1.3		40	3.2	3.2	3.5	0.9	1.8 radius	2.2 radius	0.6x0.9 dist 2.4m	3.8x1.5 strip
1.3		60	4.0	4.0	3.6	0.9	2.0			5.6x1.8 strip
1.8		70	3.8	3.8	3.2	0.9	2.0 radius	2.9 radius	0.8x1.2 dist 2.8m	4.0x2.8 strip
2.0		90	4.0	4.0	3.3	0.9	2.4 radius		1.0x1.8 dist 3.2m	5.0x2.8 Elliptical
Operating Pressure (bar)			1.5-3.5	1.5-3.5	1.0-3.5	1.5-3.5	1.5-3.5	1.5-3.5	1.5-3.5	1.5-3.5
SPREADER HEAD										
										
			360°	320° LDE	360°	360°	180°	90°	TWIN ELLIPSE/STRIP	360° ELLIPSE

Wetting area (Feet) at 29 psi and 10" height

Nozzle		lph	4460	4461	4462	4463	4452	4454	4442*	4444**
0.039		0.09			8	2			2x3 DIST 5 FT	
0.051		0.18	10	10	11	3	8-Radius	7-Radius	2x3 DIST 8 FT	12x5 strip
0.051		0.26	13	13	12	3	7			18X6 strip
0.070		0.31	12	12	10	3	7-Radius	10-Radius	2.8x4 DIST 9 FT	13X9 strip
0.078		0.39	13	13	11	3	8-Radius		3x6 DIST 10 FT	16X9 strip
Operating Pressure (psi)			22-51	22-51	14.5-51.0	22-51	22-51	22-51	22-51	22-51

* Dist= Distance from center to center of 2 ellipses.

**Strip=Strip irrigation, (overlapping).



Model 4460

Full circle Irrigation.

- Diameter up 4.0 m (13 Ft).
- Available flow rates: 40-90 lph (0.18-0.39 gpm).
- Recommended working pressure: 2.0 bar (29 psi).



Model 4452

- Wetting area - 180°.

- Wetting Radius 1.8 up to 2.4 m (6-8 Ft).
- Available flow rates: 40-90 lph (0.18-0.39 gpm).
- Recommended working pressure 2.0 bar (29 psi).



Model 4461

Irrigates 320° (maintains the area around the trunk of the tree dry).

- Wetting Diameter up to 4.0 m (13 Ft).
- Available flow rates: 40-90 lph (0.17-0.39 gpm).
- Recommended working pressure: 2.0 bar (29 psi).



Model 4454

- Wetting area - 90°.
- Wetting Radius 2.2 up to 2.9 m (8-10Ft).
- Available flow rates: 40, 70 lph (0.18, 0.31 gpm).
- Recommended working pressure 2.0 bar (29 psi).



Model 4462

- Full circle Irrigation.
- Wetting diameter up to 3.3 m (11 Ft).
- Available flow rates: 20-90 lph (0.09-0.39 gpm).
- Recommended working pressure 2.0 bar (29 psi).



Model 4442-Twin Sprayer

- Irrigates two small elliptical areas on both sides of the sprayer.
- Irrigates two plants or vines with one sprayer, available flow rate from 10lph (0.044 gpm) per each irrigated side.
- Can be spaced in overlapping achieving uniform water distribution in a narrow strip.
- The product can be assembled for upright or upside down assembly.
- Available flow rates: 20, 40, 70, 90 lph (0.09, 0.17, 0.31, 0.39 gpm).
- Recommended working pressure: 2bar (29 psi).



Model 4463

- Full circle Irrigation.
- Very small Wetting Diameter: 0.7 up to 0.9 m (2-3 Ft)
- Available flow rates: 20-90 lph (0.09-0.39 gpm).
- Recommended working pressure 2.0 bar (29 psi).



Model 4444 Ellipse/ Strip Sprayer

- 4444-40, 60 lph (0.18, 0.26 gpm) irrigates a narrow strip.
- 4444-70, 90 lph (0.31, 0.39 gpm) irrigates an elliptical area up to 5.0x2.8m (16X9 Ft).
- Recommended working pressure: 2bar (29 psi).



Jet Sprayer model 4168



Applications:

- Used for irrigation of trees and orchards
- Applicable for Parks and home gardens. Wherever a large wetting diameter with a static emitter is required.

- Nominal flow rates at 2.0 bar (29 psi).
- Working pressure maximum range 1.0-3.5bar (14.5-51.0 psi).
- Recommended working pressure 1.0-2.5 bar (14.5-36.0 psi).

Features

- INF - Integral Nozzle Filter-Protects the nozzle from debris and clogging.
- Firm Construction - For harsh field conditions.
- Static Operation - No moving parts ensures trouble free operation.
- Excellent performance - 12 jets sprayer without mist

Technical Specifications

- Large wetting diameter up to 10 m (33 Ft).
- Available flow rates: 35-180 lph (0.15-0.79 gpm).
- All nozzles are black, Flow rate is imprinted on the bridge.

Technical Data				
Nozzle Marking	Nozzle size		Wetting diameter	
			4168	
	(mm)	(inch)	(m)	(Ft)
35	0.8	0.035	3.2	10
50	1.0	0.043	4.1	13
70	1.2	0.050	5.3	17
90	1.3	0.055	6.3	21
160	1.8	0.070	8.5	28
180	2.0	0.078	10.0	33
Spreader Head Color			●	
Irrigated Section			☀ 360°	
Operating Pressure			1.0-3.5 bar (14.5-51 psi)	

Model 4168 at 2bar and 25 cm height (29 psi and 1 Ft height)

All nozzles are black .The flow rate is imprinted on the bridge.



Misters model 4191

Applications:

- Used for germination, rooting and seedling
- Applicable for humidity controlled environment.
- Used for reducing high temperature and creating micro climate conditions in greenhouses, chicken coops and animal houses.
- For irrigation of single bench plants in single lateral

- Nominal flow rates at 2.0 bar (29psi).
- Working pressure maximum range 1-5bar (14.5-72.0 psi).
- Recommended working pressure 2.0-3.5bar (29-51psi).
- Can be connected to NDV (non-drip device) in order to prevent dripping when opening and closing the water, keeping the pipes full and shortening the pulsing cycle.

Features

- INF - Integral Nozzle Filter-Protects the nozzle from debris and clogging.
- Firm Construction - For harsh field conditions.
- Static Operation - No moving parts ensures trouble free operation.
- Excellent performance - Misters create very fine droplets 0.15 mm at 3 bar (6 micro inch at 43 psi). The size of the droplets become smaller when the pressure increases.

Technical Specifications

- Available flow rates: 12-180 lph (0.05-0.79 gpm).
- All nozzles are black, Flow rate is imprinted on the bridge.

Technical Data				
Nozzle Marking	Nozzle size		Wetting diameter	
			4191	
	(mm)	(inch)	(m)	(Ft)
20	0.6	0.023	2.2	7
35	0.8	0.035	2.5	8
50	1.0	0.043	2.8	9
70	1.2	0.050	3.0	10
90	1.3	0.055	3.2	10
160	1.8	0.070		
180	2.0	0.078		
Spreader Head Color			●	
Irrigated Section			☀ 320° LDE	
Operating Pressure			1.0-5.0 bar (14.5-72.0 psi)	

Model 4191 at 2 bar and 200 mm height inverted (29 psi and 7 Ft height).

All nozzles are black .The flow rate is imprinted on the bridge.



Series 700 Dynamic Sprayer

The 700 series is an exceptional dynamic sprayer, constructed with a thin needle located inside the orifice and vibrates when in operation and distributes evenly fine droplets on a medium area.

Features:

- No bridge emitter.
- Vibrating needle constantly cleaning the orifice and prevents accumulation of debris inside the nozzle.
- Insect protected- Needle shuts the nozzle off at the end of the irrigation.
- Uniform distribution in wide range of flow rates.
- Special engineering raw materials for long life and durability.

Applications:

- Applicable for irrigation of trees with Small/medium root zone.
- The emitter can be installed in upside down position for reduced wetting diameter. This is applicable for young plantation, enabling the grower to irrigate only the root zone and thus save water. After the tree grows the emitter can be set upright to irrigate the larger root zone.
- For greenhouses irrigation



Technical Specifications:

- Available flow rates: 40-160 liters per hour (0.18-0.70 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Recommended working pressure range 1.5-2.2 bar (21-32 psi).
- Wetting diameter: 3.0-5.4 m (10-18 Ft).

Technical Data

Max. Wetting Diameter*						
Nozzle Diameter			Flow Rate		700	
mm	inch		lph	gpm	m	Ft
0.9	0.039	●	40	0.18	3.0	10
1.1	0.047	●	60	0.26	4.0	13
1.2	0.050	●	70	0.31	4.4	14
1.3	0.055	●	90	0.39	4.6	15
1.4	0.058	●	105	0.46	5.0	16
1.5	0.066	●	120	0.53	5.2	17
1.8	0.071	●	160	0.70	5.4	18

*At 2 Bar (29 psi)

- 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 160 lph (0.704 gpm)





Series 80X "Bridge Design" Mini Sprinklers

This time proven series offers a wide range of dynamic spray heads and swivels with a wide range of flow-rates, constructed in a robust bridge.

Series 80x include the following models.

Mini Sprinklers:

- Series 800 - Large wetting diameter.
- Series 801 - Low pressure & Large wetting diameter.
- Series 803 - for green houses irrigation, the emitter is installed inverted.

Spraying Heads:

- Series 806/806S - Static sprayer for medium/small wetting diameter.
- Series 807 - Bubbler.
- Series 809 - Mister.

Features:

- Robust bridge design for harsh field conditions.
- Uniform distribution in wide range of flow rates.
- Special engineering raw materials for long life and durability.

Technical Specifications:

- Wide range of nozzles to meet all applications 20-240 liters per hour (0.09-1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Recommended working pressure range: 1.0-2.5 bar (14.5-36.0 psi).
- Wetting diameter: 0.2-10.5 m (1-33Ft).
- Recommended Filtration:
100 mesh for flow rates up to 40 lph (0.18 gpm).
80 mesh for flows up to 90 lph (0.39 gpm).
60 mesh for flows up to 240 lph (1.06 gpm).



Models 800-801



Model 803 – Upside down irrigation

Applications:

- Products are 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.
- Full coverage irrigation in greenhouses, flower beds and vegetables.
- Products can be used for frost protection and cooling systems.

Technical Specifications:

- Wide range of nozzles to meet all applications 20-240 liters per hour (0.09-1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal pressure range 1.0-2.5 bar (14.5-36.0 psi).
- Large wetting diameter: 5.3-10.5 m (17-34 Ft).
- Recommended overlapping spacing up to 5X5 m (16X16 Ft).
- Trunk Protector can be added in order to avoid wetting of the tree trunk.

Model 800:

- Optimal operating pressure - 2.0 bar (29 psi) for overlapping irrigation spacing up to 5X5 m (16X16 Ft)

Model 801:

- Optimal operation pressure:
1.4 bar (20 psi) for single emitter irrigation.
2.0 bar (29 psi) for overlapping irrigation at spacing up to 5X5 m (16X16 Ft).

Applications

- Applicable for overlapping irrigation in green houses and nurseries.
- For seedling and germination.
- Cooling and micro climate.

Technical Specifications:

- Wide range of nozzles to meet all applications.
- 35-240 liters per hour (0.15-1.06 gpm).
- Nominal Flow rate at 2.0 bar (29 psi).
- Optimal working pressure range 2.0-2.5 bar (29-36 psi).
- Large wetting diameter 6.9-10.2 m (23-33 Ft).
- Recommended overlapping spacing (Inverted):
Rectangular spacing up to 5X5 m (16X16Ft).
One row of emitters up to 6.0 m (20 Ft) hot house width.
Two rows of emitters up to 15 m (49 Ft) hot house width.
- Can be connected to NDV (non-drip device) in order to prevent dripping when opening and closing the water, keeping the pipes full and shortening the pulsing cycle.



Series 806 - Static Sprayer

- Applicable for irrigation of trees with small medium root zone.
- Can be used in home gardens.
- Also available 806S - Small Diameter Static Sprayer
Applicable for irrigation of young plantations.



Series 807 - Bubbler

- Applicable for irrigation of young plantations.
- Specially designed for irrigation of palm trees and large pots.

Technical Specifications:

- Dynamic operation.
- Insect protected.
- Large drops without mist.



Series 809 - Mister

- Used for germination, rooting and seedling.
- Applicable for humidity controlled environment.
- Used for reducing high temperature and creating micro climate conditions.

Technical Specifications:

- Creates fine mist with very small droplets.
- Optimal working pressure 2-3 bar (29-43 psi).
- Droplets become smaller when pressure increases.
- Can be connected to NDV (non-drip device) in order to prevent dripping when opening and closing the water, keeping the pipes full and shortening the pulsing cycle.

Technical Data

					Max. Wetting D at 2 Bar (29 psi)											
Nozzle Diameter			Flow Rate		800		801		803		806		807		809	
mm	inch		lph	gpm	m	Ft	m	Ft	m	Ft	m	Ft	m	Ft	m	Ft
0.6	0.023	●	20	0.09			5.3	17					0.2	1	1.8	6
0.8	0.035	●	35	0.15	5.0	16	5.7	19	6.9	23	2.6	9	0.2	1	2.3	8
0.9	0.039	●	40	0.18	5.5	18	6.0	20	7.0	23	2.7	9	0.2	1	2.3	8
1.0	0.043	●	50	0.22	6.4	21	6.3	21	7.2	24	2.9	10	0.3	1	2.4	8
1.1	0.047	●	60	0.26	6.7	22	6.7	22	7.5	25	2.9	10	0.4	1	2.6	9
1.2	0.050	●	70	0.31	7.0	23	7.5	25	7.8	26	3.0	10	0.5	2	3.1	10
1.3	0.055	●	90	0.39	7.5	25	7.8	26	8.2	27	3.2	10	0.6	2	3.2	10
1.4	0.058	●	105	0.46	7.7	25	8.0	26	8.6	28	3.5	11	0.8	3	3.4	11
1.5	0.066	●	120	0.53	8.0	26	8.1	27	8.8	29	3.9	13	1.4	5	3.5	11
1.7	0.070	●	140	0.62	8.5	28	8.8	29	9.2	30	4.3	14	1.6	5		
1.7	0.071	●	160	0.70	9.5	31	8.9	29	9.2	30	4.5	15	1.8	6		
2.0	0.078	●	200	0.88	10.0	33	10.0	33	10.1	33	5.3	17				
2.2	0.086	●	240	1.06	10.0	33	10.5	34	10.2	33	5.4	18				



TRIJET Series

An innovative series of emitters specifically designed for irrigation of young plantation of oil palm trees and other trees planted in wide spacing. The emitters throw a jet of water directly into the root zone, thus eliminating the waste of water and minimize growth of weeds.

Available in three configurations:

- BIJET - 2 jets.
- TRIJET - 3 jets.
- QUADJET - 4 jets.

For irrigation of 2, 3 and 4 trees accordingly.

The emitter is connected to the P.V.C. riser with a specially designed base. The base is used for gluing it to the riser on one side and the other side is a specially designed connector enabling easy and quick connecting of the emitter. When the tree grows, the user can replace the TRIJET emitter with a 920 sprinkler equipped with a bayonet connector for full coverage of the plantation. Thus enabling easy replacement of the emitter without cutting the pipe and gluing a new emitter, saving time and money.

Features:

- Ideal for oil palm trees, rubber, citrus and other fruits.
- Adjustable nozzles that can be locked at the right position in order to guarantee that the water jet will direct the water to the root zone and the nozzle will not change its position during irrigation.
- The emitters are equipped with bayonet connection for easy installation and cleaning.
- The Bayonet connection enables the grower to change quickly, easily and without cutting the riser and economically, to the 920 series which enable full coverage of the area.
- The emitter adaptor is a $\frac{3}{4}$ " (20 mm) socket adaptor that can be glued to the riser and has a bayonet connector on the other side where the emitter is connected.
- Recommended filtration - 60 mesh.



Technical data BIJET, TRIJET, QUADJET

BIJET

Operating Pressure	bar (psi)	0.7 (10)	1.0 (14.5)	1.5 (22)	2.0 (29)	2.5 (36)
Flow rate	l/h (gpm)	135 (0.59)	165 (0.72)	205 (0.90)	235 (1.03)	309 (1.36)
Jet range at 0°	m (ft)	7 (23)	7.5 (25)	8 (26.5)	11 (36)	11 (36)
Jet range at 30°	m (ft)	11.5 (38)	12 (40)	12 (40)	12.5 (41)	12.5 (41)



TRIJET

Operating Pressure	bar (psi)	0.7 (10)	1.0 (14.5)	1.5 (22)	2.0 (29)	2.5 (36)
Flow rate	l/h (gpm)	200 (0.88)	245 (1.07)	306 (1.34)	360 (1.58)	400 (1.75)
Jet range at 0°	m (ft)	7.5 (25)	8 (26.5)	8 (26.5)	9 (30)	9 (30)
Jet range at 30°	m (ft)	11 (36)	11 (36)	11.5 (38)	12 (40)	12 (40)



QUADJET

Operating Pressure	bar (psi)	0.7 (10)	1.0 (14.5)	1.5 (22)	2.0 (29)	2.5 (36)
Flow rate	l/h (gpm)	220 (0.96)	330 (1.45)	410 (1.80)	480 (2.11)	530 (2.32)
Jet range at 0°	m (ft)	7 (23)	7 (23)	7 (23)	8 (26.5)	8 (26.5)
Jet range at 30°	m (ft)	12 (40)	12 (40)	12 (40)	12.5 (41)	12.5 (41)





PELEG Series

TAVLIT offers a new range of adjustable emitters for residential gardens, planter boxes, large pots, flowerbeds, ground covers, shrubs and trees.

Emitters are offered in two models; on a small spike and as a button configuration for direct insertion to the pipe.

An adjustable cap enables the user to control flow rates. The Peleg emitters are constructed of UV-resistant, durable plastic materials.

The Peleg series include the following models:



Adjustable Drip Emitters:

Full circle and half circle models are offered, both with adjustable head.

- Flow rates: 0 - 70 lph (0 - 20gph),
- Wetting diameter up to 1 m (3.5')
- Recommended working pressure: 0.7 - 2 bar (10 - 30 psi).



Adjustable spray Jet:

Vortex type emitter with large water passage to prevent clogging

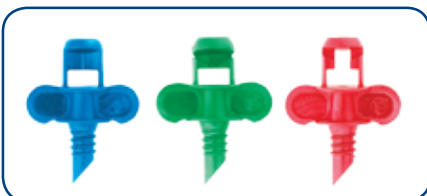
- Flow rates: 0 - 70 l/h (0 - 20 gph)
- Wetting diameter: 0 - 3.5 m (0 - 11.5')
- Recommended working pressure: 1-2.0 bar (15 - 30psi)



Adjustable Bubbler:

Full circle irrigation, gentle stream and an umbrella pattern.

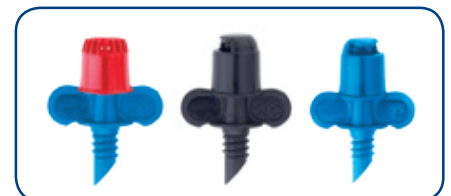
- Flow rates: 0 - 120 lph (0 - 33 gph),
- Wetting diameter up to 1 m (3.5').
- Recommended working pressure: 1 - 2 bar (15 - 30 psi).



Fan Spray Jets:

One piece jet with threaded base and wide wing edges for easy installation.

- Available in 90° - blue, 180° - green, 360° - red spraying pattern.
- Flow rate range: 40 - 160 lph (11 - 45 gph).
- Max. wetting diameter: 3.0 m (10').
- Recommended working pressure: 1 - 2.4 bar (15 - 35psi).



































Jet sprayers:

Two piece micro sprayer consisting of a removable spray cap and threaded base for installation flexibility and easy cleaning

- Available in 90° - black, 180° - blue, 360° - red.
- Flow rate range: 50 l/h (14 gph) at 2 bar (30 psi).
- Max. wetting diameter: 4.5 m (14').
- Recommended working pressure: 1-2 bar (15-30psi).



Accessories

PLUN plunger To connect Ein dor (m) components to P.E. pipe		92080M 920 head (m) Integral head of 920 sprinkler for assembly 261m composed of 5/8 P.E. tube without collar		COLL collar To insert into 4/7 PVC tube in assembly: 670, 680, etc.	
PLUN-D double plunger To connect 4/7 PVC tube to P.E. pipe (in permanent connection of the assembly)		PH-6 coupler 6 Head for sets with 3/5 PVC tube and 6.0mm rod (for pot planted plants)		COLL-12 collar 12 To insert into 7/12 or 9/13 PVC tube, and into 12mm P.E. tube	
PLUN-M plunger 800 To connect Ein dor (f) components to P.E. pipe. also to insert into 5/8 P.E. tube		HEAD-1/2-8 threaded head 1/2" Threaded (out) head for assembly 280. Also for connecting (m) component to 1/2" (in) riser		CONN-2M double nipple 2-way (out) connector for (f) components	
PLUN-12 plunger 12 To connect 7/12 & 9/13 PVC TUBE or 12mm P.E. tube to P.E. pipe		NUT-1/2F nut- 1/2" (f) Nut 1/2" (in) threaded for Ein Dor (m) components		CONN-2F connector (f) 2-way (in) connector for (m) components	
		NUT-3/4F nut - 3/4" (f) Nut 3/4" (in) threaded for Ein-Dor (m) components		T t connector 3-way (IN) connector for (m) components	
PLUN-1/4 plunger 1/4 1/4"w threaded plunger to connect (m) components to rigid PVC pipe		NUT-1/2M nut-1/2 (m) Nut 1/2" (in) threaded for Ein dor (f) components		DAN-MF connector dan To adapt (m) emitters to "dan" stand	
PLUN-3/8P plunger 3/8 3/8p threaded plunger to connect (m) components to rigid PVC pipe		NUT-3/4M nut-3/4 (m) Nut 3/4" (in) threaded for Ein dor (f) components		PLUG plug to plug plungers: plun, plun-1/4, plun-3/8p, plun-m11	
PLUN-M11 plunger m11 11 mm Threaded plunger to connect (m) components to rigid PVC pipe		W-025G Weight 25gr for inverted assembly		PLUG-M plug m to plug plunger plun-m	
HEAD-8 coupler Head 670 assembly for (m) components		W-038G Weight 38gr for inverted assembly		HP5 to seal small hole HP8 to seal large hole	
HEAD-8S coupler super Head for 270 assembly (with irod rod)				KEY key All purpose key for dismantle and assemble Ein dor components	
92080F 920 head (f) Integral head of 920 sprinkler for assembly 261f composed of 5/8 P.E. tube with collar (plun-m)		3/5 PVC TUBE 3/5-roll in rolls of 100m		PUNC puncturer Tool to punch 3.5mm hole in P.E.pipe and insert a plunger into the hole	
4/7 PVC TUBE 4/7-roll in roll of 100m 4/7-060 60 cm with collars 4/7-100 100 cm with collars 4/7-060d 60 cm with coll and plun-d 4/7-100d 100 cm with coll and plun-d 4/7-030pc 30 cm with coll and plun 4/7-060pc 60 cm with coll and plun 4/7-030pd 30 cm with plun and plun-d 4/7-060pd 60 cm with plun and plun-d 4/7-030pcw 30 cm with coll, plun and weight		5/8 P.E. TUBE 5/8-roll in roll of 500m 5/8-100mm 100cm with plun-m x2		INSE inserter Tool to insert collars into PVC or P.E. tube and to insert plun-m into P.E.pipe	
		ADAP-4.0 Fitting 4.0-8.0mm rod ADAP-4.5 Fitting 4,5-8,0mm rod ADAP-5.8 Fitting 5.8-8.0mm rod ADAP-6.0 Fitting 6.0-8.0mm rod		WEDG-25 wedge 25 Plastic wedge 25cm long WEDG-35 wedge 35 Plastic wedge 35 cm long IRON-100 iron rod 5.8mm galvanized iron rod 1.m. long	
ASSEMBLIES: 670 Assembly with wedge 35 cm. long for (m) emitters 86X, 4XXX, 700. 680 Assembly with wedge 35 cm long for (F) emitters 8XX. 261f Assembly with Iron rod 100 cm long for 920 sprinkler. 270 Assembly with Iron rod 100 cm long for (m) emitters 900, 961, 961P. z1866-030P inverted set, detachable connection, 4/7-030PC with 530-L non drip, weight 25 gr. z1866-030D inverted set, permanent connection, 4/7-030PC with 530-L non drip, weight 25 gr. z14191-030P inverted set, detachable connection, 4/7-030PC with 530-L non drip, weight 25 gr. z14191-030D inverted set, permanent connection, 4/7-030PC with 530-L non drip, weight 25 gr.					



TAVLIT Emitters and Sprayers are guaranteed to be free from defect in material and/or workmanship and to perform as advertised when properly installed, used and maintained in accordance with current instructions, written or verbal.

Should any item prove defective within the time period set forth for that item(s), but in any case not later than within 12 (twelve) months of that product having left TAVLIT's premises, and subject to receipt by TAVLIT or its authorized representative, of written notice thereof from the purchaser within 30 days of discovery of such defect or failure - TAVLIT will repair or replace or refund the purchase price, at its sole option, any items proven defective in workmanship or material.

For full details please refer to our International warranty document, available upon request.

Caution

Data is based on tests carried out under laboratory

conditions. Some deviation should be allowed under field conditions.

Constant Improvements in **TAVLIT** products can alter specifications without prior notice and without incurring liability.

Operating Pressure should be considered according to the features of each emitter. Incorrect water pressure interrupts the water distribution uniformity and may cause excessive wear and damage to the emitter. Please consult TAVLIT for operation in very high or very low pressure range.

Chemicals used in irrigation require adequate flushing with clean water immediately after use.

Flushing must be carried out long enough to thoroughly clean the emitters and accessories from any chemicals residue. The use of too high a chemical concentration or the use of prohibited chemicals which attack the plastic product will not be covered under guarantee.



