



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:
12-180lph (0.05-0.79gpm)
Additional flow rates and patterns are possible. Please consult TAVLIT
- ✓ **Nominal Flow Rates** at 2.0bar (29psi)
- ✓ **Operating Pressure:** 1.5-3.5bar (22-52psi)
- ✓ 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 (14.5psi) and flow rates as low as 12lph (0.05gpm)
Please consult TAVLIT
- ✓ **Recommended Filtration:**
100 mesh for flow rates up to 40 lph (0.18gpm)
80 mesh for flows up to 90 lph (0.39gpm)
60 mesh for flows up to 160 lph (0.70gpm)

Wetting Area (meters / feet) at 2bar / 29psi and 25cm / 10" height

			4460	4461	4462	4463	4452	4454	4442*	4444**
Spreader Head										
Coverage Scheme										
			360°	320° LDE	360°	360°	180°	90°	Twin	360° Ellipse
Nozzle	Nozzle Color	lph								
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
0.039		0.09			8	2			2x3 dist 5ft	
0.051		0.18	10	10	11	3	8 radius	7 radius	2x3 dist 8ft	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 9ft	13x9 strip
0.078		0.39	13	13	11	3	8 radius		3x6 dist 10ft	16x9 strip
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
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).



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

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 10m (33ft)
- ✓ **Available Flow Rates:**
35-180lph (0.15-0.79gpm)
- ✓ All nozzles are black, flow rate is imprinted on the bridge
- ✓ **Nominal Flow Rates at 2.0bar (29psi)**
- ✓ **Working Pressure Maximum Range:**
1.0-3.5bar (14.5-51.0psi)
- ✓ **Recommended Working Pressure:**
1.0-2.5bar (14.5-36.0psi)

Technical Data

Nozzle Marking	Nozzle size		4168	
			Wetting Diameter	
	(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 Pressur			1.0-3.5bar (14.5-51psi)	

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

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 0.15mm at 3bar (6micro inch at 43psi). The size of the droplets become smaller when the pressure increases

Technical Specifications

- ✓ **Available Flow Rates:** 12-180lph (0.05-0.79gpm)
- ✓ All nozzles are black, Flow rate is imprinted on the bridge
- ✓ **Nominal Flow Rates:** at 2.0bar (29psi)
- ✓ **Working Pressure Maximum Range:** 1-5bar (14.5-72.0psi)
- ✓ **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

Technical Data

Nozzle Marking	Nozzle size		4191	
			Wetting Diameter	
	(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			1.0-5.0bar (14.5-72.0psi)	

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

All nozzles are black .

The flow rate is imprinted on the bridge.

Model 4442 - Twin Sprayer



Features

- ✓ Irrigates two small elliptical areas on both sides of the sprayer
- ✓ Irrigates two plants or vines with one sprayer, available flow rate from 10lph (0.044gpm) 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, 0.39gpm)
- ✓ **Recommended Working Pressure:** 2bar (29psi)

Model 4444 Elipse / Strip Sprayer



Features

- ✓ 4444-40, 60lph (0.18, 0.26gpm) irrigates a narrow strip
- ✓ 4444-70, 90lph (0.31, 0.39gpm) irrigates an elliptical area up to 5.0 x 2.8m (16 x 9ft)
- ✓ **Recommended Working Pressure:** 2bar (29psi)

Model 4452



Features

- ✓ **Wetting Area:** 180°
- ✓ **Wetting Radius:** 1.8 up to 2.4m (6-8ft)
- ✓ **Available Flow Rates:** 40-90lph (0.18-0.39gpm)
- ✓ **Recommended Working Pressure:** 2.0bar (29psi)

Model 4454



Features

- ✓ **Wetting Area:** 90°
- ✓ **Wetting Radius:** 2.2 up to 2.9m (8-10ft)
- ✓ **Available Flow Rates:** 40, 70lph (0.18, 0.31gpm)
- ✓ **Recommended Working Pressure:** 2.0bar (29psi)

Model 4460



Features

- ✓ Full circle irrigation
- ✓ **Diameter:** up to 4.0m (13ft)
- ✓ **Available Flow Rates:** 40-90lph (0.18-0.39gpm)
- ✓ **Recommended Working Pressure:** 2.0bar (29psi)

Model 4461



Features

- ✓ Irrigates 320° (maintains the area around the trunk of the tree dry).
- ✓ **Wetting Diameter:** up to 4.0m (13ft).
- ✓ **Available flow Rates:** 40-90lph (0.17-0.39gpm)
- ✓ **Recommended Working Pressure:** 2.0bar (29psi)

Model 4462



Features

- ✓ Full circle irrigation
- ✓ **Wetting Diameter:** up to 3.3m (11ft)
- ✓ **Available Flow Rates:** 20-90lph (0.09-0.39gpm)
- ✓ **Recommended Working Pressure:** 2.0 bar (29 psi)

Model 4463



Features

- ✓ Full circle irrigation
- ✓ **Very Small Wetting Diameter:** 0.7 up to 0.9m (2-3ft)
- ✓ **Available Flow Rates:** 20-90lph (0.09-0.39gpm)
- ✓ **Recommended Working Pressure:** 2.0bar (29psi)