

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 20-240lph (0.09-1.06gpm)
- ✓ **Nominal Flow Rate:** at 2.0bar (29psi)
- ✓ **Recommended Working Pressure Range:** 1.0-2.5bar (14.5-36.0psi)
- ✓ **Wetting Diameter:** 0.2-10.5m (1-33ft)
- ✓ **Recommended Filtration:**
 - 100 mesh for flow rates up to 40lph (0.18gpm)
 - 80 mesh for flows up to 90lph (0.39gpm)
 - 60 mesh for flows up to 240lph (1.06gpm)

Series 80X

"Bridge Design" Mini Sprinklers

Technical Data

Nozzle Diameter		Color	Flow Rate		Max. Wetting D at 2bar (29psi)											
					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				



Models 800-801

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

Model 800

- ✓ **Optimal Operating Pressure:** 2.0bar (29psi) for overlapping irrigation spacing up to 5 x 5m (16 x 16ft)

Model 801

- ✓ **Optimal Operation Pressure:**
 - 1.4bar (20psi) for single emitter irrigation
 - 2.0bar (29psi) for overlapping irrigation at spacing up to 5 x 5m (16 x 16ft)



Model 803

Upside Down Irrigation

Applications

- ✓ Applicable for overlapping irrigation in greenhouses and nurseries
- ✓ For seedling and germination
- ✓ Cooling and micro climate

Technical Specifications

- ✓ Wide range of nozzles to meet all applications 35-240lph (0.15-1.06gpm)
- ✓ Nominal Flow rate at 2.0bar (29psi)
- ✓ Optimal working pressure range 2.0-2.5bar (29-36psi)
- ✓ Large wetting diameter 6.9-10.2m (23-33ft)
- ✓ Recommended overlapping spacing (Inverted)
- ✓ Rectangular spacing up to 5 x 5m (16 x 16ft)
- ✓ One row of emitters up to 6.0m (20ft) hot house width
- ✓ Two rows of emitters up to 15m (49ft) 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 80X

"Bridge Design" Mini Sprinklers

Series 806 - Static Sprayer



Applications

- ✓ 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



Applications

- ✓ 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



Applications

- ✓ 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:** 2-3bar (29-43psi)
- ✓ 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.