

SQ Series, Square Pattern Nozzles

Precise and efficient, low-volume spray nozzle for irrigation around the perimeter of trees or shrubs

Features

Precision and Efficiency

- Designed to precisely irrigate small areas.
- Great for corners in narrow planting beds, parking lot islands, walkways, parkways, street medians, and around trees and shrubs
- Commercial grade nozzle is pressure compensating and virtually mist-free – even at the maximum operating pressure. This ensures optimum coverage for non-turf applications from 20 to 50 psi.
- Meets micro irrigation system requirement with less than 26 gph flow rate at 30 psi

Versatile Installations

- Simplify design and installation with the flexibility of applications
- One nozzle throws 0.8 m or 1.2 m
- Can be installed on a variety of spray heads and risers

Unique Pattern for Trees

- Designed to precisely irrigate around the perimeter of trees and shrubs.
- Also great for corners in narrow planting beds, parking lot islands, walkways, parkways, and street medians

Savings - Water and \$

- Meets micro irrigation system requirement with less than 26 gph flow rate at 30 psi
- Unique edge-to-edge capability reduces the number of nozzles needed, which decreases cost and dramatically reduces installation time
- Square spray pattern and pressure compensation offer increased efficiency and control, reducing overspray, property damage, and liability

One Nozzle...Two Throws

With a simple turn of the nozzle to the next preset stop, the Rain Bird SQ Nozzle adjusts from a 2.5' (0.8 m) throw to a 4' (1.2 m) throw. It's like having two nozzles in one.



Operating Ranges

- Flow Rates: 22.7, 45.4, 68.1, and 90.8 l/hr
- Pressure: 1.4 to 3.5 bar
- Required Filtration: 375 micron

Models

- SQ-QTR: SQ Nozzle, quarter pattern (Purple)
- SQ-HLF: SQ Nozzle, half pattern (Brown)
- SQ-3QTR: SQ Nozzle, three-quarter pattern (Gray)
- SQ-FUL: SQ Nozzle, full pattern (Red)
- SQ-ADP: SQ PolyFlex Riser Adapter only
- SQ-ADP12: SQ Nozzle Adapter with 12" PolyFlex Riser

Nozzle Accessories

- PFR-12: 12" PolyFlex Riser (riser tube only)
- PFR-FRA: 12" (30.5 cm) PolyFlex Riser and 1/2" adapter for PVC (SQ-ADP Nozzle Adapter sold separately)
- PFR-FRA24: 24" (61.0 cm) PolyFlex Riser and 1/2" adapter for PVC (SQ-ADP Nozzle Adapter sold separately)
- PFR-RS: 12" (30.5 cm) PolyFlex Riser and 7" (17.8 cm) stake
- SQ-ADP: SQ Nozzle adapter only (Connects SQ Nozzles to PolyFlex Risers)
- SQ-ADP12: SQ Nozzle adapter with 12" PolyFlex Riser
- XQ-100: 1/4" Distribution tubing for PFR-RS Riser



SQ Nozzles with Screens

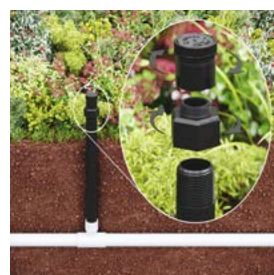
Installation Options



SQ Nozzle on PolyFlex Riser Assembly (PFR-FRA)



SQ Nozzle on 1800 Spray Body Assembly



SQ Nozzle on Schedule 80 Riser Assembly



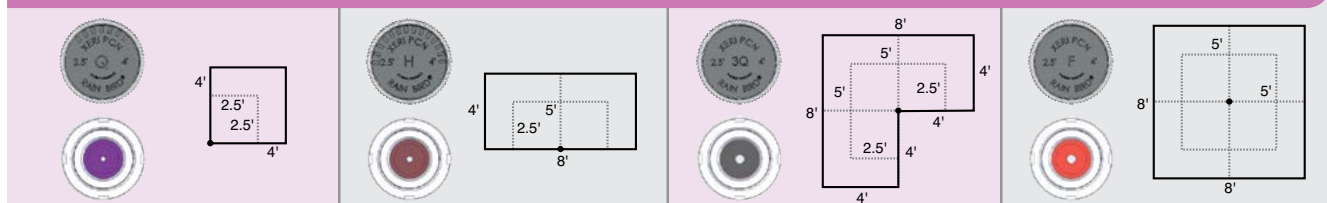
SQ Nozzle on Poly Flex Riser and Stake Assembly (PFR-RS)

SQ Nozzle Performance					
0.8 m throw @ 0.15 m height above grade					
Nozzle	Pressure bar	Throw Radius m	Flow lph	Flow lpm	Precip.Rate w/no overlap mm/h
	1.4	0.8	24	0.38	41.66
	2.1	0.8	28	0.45	48.26
	2.8	0.9	28	0.45	33.53
	3.4	0.9	28	0.45	33.53
	1.4	0.8	39	0.64	33.27
	2.1	0.8	46	0.68	39.88
	2.8	0.9	52	0.68	30.99
	3.4	0.9	52	0.68	30.99
	1.4	0.8	61	1.01	34.77
	2.1	0.8	68	1.14	39.12
	2.8	0.9	79	1.32	31.69
	3.4	0.9	79	1.32	31.69
	1.4	0.8	76	1.25	32.51
	2.1	0.8	92	1.51	39.37
	2.8	0.9	103	1.74	30.99
	3.4	0.9	103	1.74	30.99

Performance data taken in zero wind conditions

SQ Nozzle Performance					
1.2 m throw @ 0.15 m height above grade					
Nozzle	Pressure bar	Throw Radius m	Flow lph	Flow lpm	Precip.Rate w/no overlap mm/h
	1.4	1.2	23	0.38	16.26
	2.1	1.2	26	0.45	18.80
	2.8	1.4	27	0.45	14.99
	3.4	1.4	27	0.45	14.99
	1.4	1.2	39	0.64	12.95
	2.1	1.2	40	0.68	15.49
	2.8	1.4	40	0.68	13.72
	3.4	1.4	40	0.68	13.72
	1.4	0.8	61	1.01	13.58
	2.1	0.8	68	1.14	15.28
	2.8	0.9	79	1.32	14.08
	3.4	0.9	79	1.32	14.08
	1.4	1.2	76	1.25	12.70
	2.1	1.2	92	1.51	15.49
	2.8	1.4	103	1.74	13.72
	3.4	1.4	103	1.74	13.72

SQ Nozzles



SQ Nozzle Installed
on PolyFlex Riser with
Nozzle Adapter

