



- 01 **Total Coverage:** Cost-effective solution for 30" to 60" spacing
- 02 **Saves Energy:** 6 to 10 psi (0.41 to 0.69 bar)
- 03 **Water Savings:** Minimize wind-drift and evaporative losses
- 04 **Convenient:** LEPA to LESA, just twist and flip

LDN® WIDE SPRAY BUBBLER

Total coverage solution for 30" to 60" spacing

Expanding our LDN platform with this new LEPA bubbler produces a wide gentle aerated pattern suitable for most crops and soils. Growers can take advantage of changing from a LESA spray pattern with a simple twist and flip of the cage assembly.

FEATURES

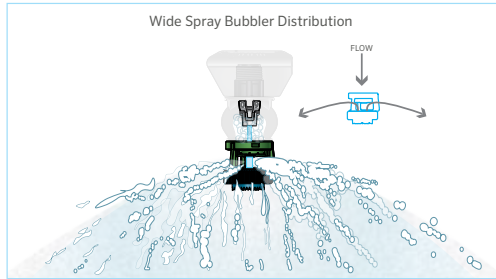
- Wide aerated pattern for total coverage
- Easy twist and flip to switch from a bubble to spray
- Several spray pattern deflector options available
- For use with nozzles #4.5 to #15
- Flow range: 0.35 to 5.08 gpm (0.79 to 1154 L/hr)
- Pressure Range: 6 to 10 psi (0.41 to 0.69 bar)



LDN® WIDE SPRAY BUBBLER

HOW IT WORKS

The assembly uses a unique configuration allowing the nozzle flow to pass through a hole in the upper pad to the bubbler cup below. The cup deflects the water upward into the grooves on the underside of the deflector. This makes it produce a wide gentle aerated pattern suitable for most crops and soils.



LDN WIDE SPRAY BUBBLER PERFORMANCE DATA

Nozzle Sizes	
Minimum	#4.5 9/128" (1.8 mm)
Maximum	#15 15/64" (6.0 mm)
Flows	
Minimum	0.35 gpm (0.80 L/hr)
Maximum	5.08 gpm (1154 L/hr)
Pressure	
Minimum	6 psi (0.41 bar)
Maximum	10 psi (0.69 bar)
Diameter: 6 psi (0.41 bar)	
Minimum at 2 ft (0.61m)	5.8 ft (1.77 m)
Maximum at 2 ft (0.61 m)	12.5 ft (3.81 m)
Diameter: 10 psi (0.69 bar)	
Minimum at 2 ft (0.61 m)	6.7 ft (2.04 m)
Maximum at 2 ft (0.61 m)	14.4 ft (4.40 m)

MODULARITY

The modularity of adding one of the Wide Spray Bubbler deflector assemblies to a grower's existing LDN® UP3® bracket saves cost. Components are available as assemblies or separate components.



The LDN® Wide Spray Bubbler is available with different deflector models to choose the spray trajectory. The green convex pad has a downward spray, the black pad is flat, and the blue concave pad is upward.



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The Senninger commitment to world-class products, local support and technical expertise ensures we provide the most efficient and reliable agricultural irrigation solutions available in the world today.

Steve Abernethy

Steve Abernethy, President of Senninger Irrigation