



- 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 BUBBLE

Total coverage solution for 30" to 60" spacing

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

FEATURES

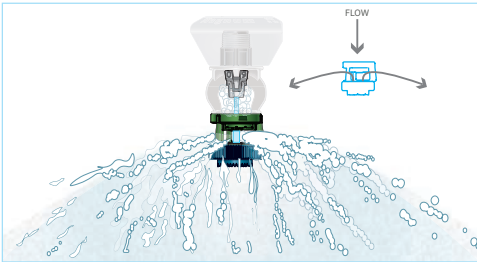
- Wide aerated pattern for total coverage
- Easy twist and flip to switch from a bubble to spray
- Several spray pattern deflector options available
- For use with nozzles #4.5 to #15
- Flow range: 0.35 to 5.08 gpm (0.79 to 1154 L/hr)
- Pressure Range: 6 to 10 psi (0.41 to 0.69 bar)



LDN® WIDE SPRAY BUBBLE

HOW IT WORKS

The assembly uses a unique configuration allowing the nozzle flow to pass through a hole in the upper pad to the bubble 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.



MODULARITY

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



The LDN® Wide Spray Bubble 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.



LDN WIDE SPRAY BUBBLE 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 (0.61 m)	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)

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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, President of Senninger Irrigation