



### Total Coverage:

Cost-effective solution  
for 30" to 60" spacing

### Saves Energy:

Works with ultra low pressures  
while delivering  
high performance

### Water Savings:

Minimize wind-drift  
and evaporative losses

### Convenient:

LEPA to LESA,  
just twist and flip

## LDN® WIDE SPRAY BUBBLER

### *New! Full Nozzle Range Now Available*

Expanded total coverage solution for 30" to 60" row spacing—now compatible with our complete UP3® nozzle lineup. This LEPA bubble option expands the LDN® platform with a wide, gentle, aerated pattern that's ideal for most crops and soil types. With a quick twist and flip of the cage assembly, growers can easily switch from LEPA to LESA—delivering greater flexibility and season-to-season adaptability without changing out the sprinkler.

### FEATURES

- Wide aerated pattern for total coverage
- Easy twist and flip to switch from a bubble to spray
- Fifteen spray pattern deflector options available
- For use with nozzles #4.5 to #26
- Flow range: 0.35 to 14.98 gpm (80 to 3402 L/hr)
- Pressure Range: 6 to 10 psi (0.41 to 0.69 bar)



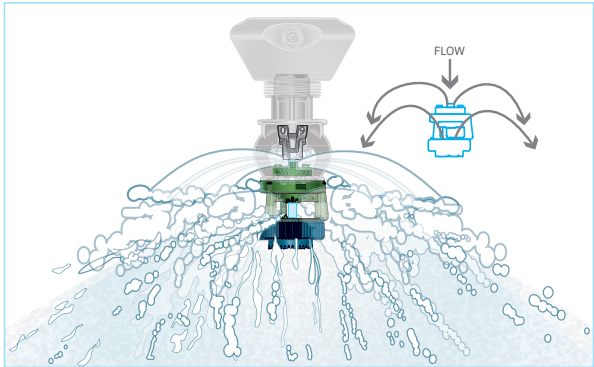
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# LDN® WIDE SPRAY BUBBLER

## How It Works

The LDN® Wide Spray Bubbler features a unique design that divides the flow, taking some of the water off the top deflector pad and channeling the remainder through a precision opening into the specially shaped bubbler cup. The flow is gently redirected upward to grooves in the underside of the deflector, causing it to bubble outward in a wide, aerated spray pattern that is ideal for a variety of crops and soil types.



LDN WIDE SPRAY BUBBLER PERFORMANCE DATA	
Nozzle Sizes	
Minimum	#4.5 9/128" (1.78 mm)
Maximum*	#26 13/32" (10.32 mm)
Flows	
Minimum	0.35 gpm (80 L/hr)
Maximum	14.98 gpm (3402 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)	6.0 ft (1.83 m)
Maximum at 2 ft (0.61 m)	18.0 ft (5.50 m)
Diameter: 10 psi (0.69 bar)	
Minimum at 2 ft (0.61 m)	6.5 ft (1.98 m)
Maximum at 2 ft (0.61 m)	22.0 ft (6.71 m)

\* It is recommended that larger nozzle sizes be used only on soils that can handle higher application rates.

## Modularity

Growers appreciate the modularity that allows them to achieve a LEPA bubble application by replacing their existing LDN deflectors with Wide Spray Bubbler Assemblies.



Additionally, growers can choose the Wide Spray Bubbler Assembly based on the trajectory of the bottom spray pad. The green convex pad has a downward spray, the black pad is flat, and the blue concave pad is upward. This allows them to easily convert from a LEPA bubble to the spray pattern that is best for their needs.



**Website** [hunterirrigation.com/agriculture](http://hunterirrigation.com/agriculture) | **Customer Support** +1-407-877-5655

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

*Steve Abernethy*

Steve Abernethy, President Hunter Agricultural Irrigation