RECOMMENDED INSTALLATION

LDN®

COMPONENT ASSEMBLY

THE MAGNUM WEIGHT™
(0.85 LB)
MAGWGTSLP

LDN UP3 BRACKET ASSEMBLY
LDNBRASMUP3

UP3® NOZZLES
#04 - #26
UP3NZ04 - UP3NZ26
(Depending on deflector)

UP3 NOZZLE REMOVAL AND INSTALLATION

Nozzle Removal
PINCH
PULL

Nozzle Installation
PLACE
CLICK

Nozzle Visibility
Whole sizes
Half sizes
Notches
Installation Specifications

LDN® SYSTEM ASSEMBLY

• The LDN can be mounted on rigid drops or flexible hose drops.
• When using flexible hose a weight is recommended.
• When using the Senninger Magnum Weight, use the internal fit technology to nest weight onto the base of the LDN.
• Conventional slip over weights can be used with the LDN.
• Mount the LDN no less than 1.5 - 9 ft (0.46 - 2.74 m) above the ground.

BUBBLER PAD ASSEMBLY

Make sure the large tick marks of the UP3 Bubbler Pad align with the LDN UP3 Bracket legs before twisting to lock it in. The small tick mark aligns with the leg when locked.

PART-CIRCLE PAD ASSEMBLY

With the nozzle number in the bracket facing you, center the tab on the Part-Circle Pad behind the nozzle before twisting to lock it in.

PRESSURE REGULATOR LOCATION

1. Pressure regulators can be installed at the top of the drop, or near the applicator.
2. Always follow your customized printout for proper pressure regulator placement.

- Important: To maintain product warranty and maximize drop component life, refer to the information and diagrams here.

### LDN SYSTEM DESIGN CRITERIA

<table>
<thead>
<tr>
<th></th>
<th>Mini Pad</th>
<th>Single Pad</th>
<th>Double Pad</th>
<th>Triple</th>
<th>Part-Circle Pad</th>
<th>Bubbler Pad</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nozzle Sizes</strong></td>
<td></td>
<td></td>
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<tr>
<td>Minimum</td>
<td>#04 1/16&quot; (1.59 mm)</td>
<td>#10 5/32&quot; (3.97 mm)</td>
<td>#15 15/64&quot; (5.95 mm)</td>
<td>#20 5/16&quot; (7.94 mm)</td>
<td>#06 3/32&quot; (2.38 mm)</td>
<td>#04 1/16&quot; (1.59 mm)</td>
</tr>
<tr>
<td>Maximum*</td>
<td>#09 9/64&quot; (3.57 mm)</td>
<td>#14 7/32&quot; (5.56 mm)</td>
<td>#26 13/32&quot; (10.32 mm)</td>
<td>#26 13/32&quot; (10.32 mm)</td>
<td>#18 9/32&quot; (7.14 mm)</td>
<td>#23 13/32&quot; (10.32 mm)</td>
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<tr>
<td><strong>Flows</strong></td>
<td></td>
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<tr>
<td>Minimum</td>
<td>0.27 gpm (61 L/hr)</td>
<td>1.74 gpm (3.95 L/hr)</td>
<td>3.93 gpm (893 L/hr)</td>
<td>6.99 gpm (1588 L/hr)</td>
<td>0.62 gpm (141 L/hr)</td>
<td>0.27 gpm (61 L/hr)</td>
</tr>
<tr>
<td>Maximum</td>
<td>2.56 gpm (581 L/hr)</td>
<td>6.25 gpm (1420 L/hr)</td>
<td>21.2 gpm (4811 L/hr)</td>
<td>21.2 gpm (4811 L/hr)</td>
<td>10.4 gpm (2351 L/hr)</td>
<td>21.2 gpm (4811 L/hr)</td>
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<tr>
<td>Maximum Spacing** at 6 ft (1.8 m) ground clearance</td>
<td>7 ft (2.13 m)</td>
<td>7 ft (2.13 m)</td>
<td>7 ft (2.13 m)</td>
<td>7 ft (2.13 m)</td>
<td>N/A</td>
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<tr>
<td><strong>Pressure at the Nozzle</strong></td>
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<tr>
<td>Minimum</td>
<td>6 psi (0.41 bar)</td>
<td>6 psi (0.41 bar)</td>
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<tr>
<td>Maximum</td>
<td>20 psi (1.38 bar)</td>
<td>20 psi (1.38 bar)</td>
<td>20 psi (1.38 bar)</td>
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</tbody>
</table>

* It is recommended that larger nozzle sizes be used only on soils that can handle higher application rates.
** For optimum performance Senninger recommends the use of maximum spacing for 1-2 spans only.
Pads available in concave (blue), convex (green) and flat (black) in smooth, medium groove, and deep groove based on desired trajectory and throw.