Polylok's new orifice diffuser offers advancements in effluent distribution you will not see in other pressure dosing systems. Our patented design includes an impeller that directs wastewater from the discharge piping in a 360° manner. This optimizes the leaching fields and protects the soils around the piping from unnecessary erosion. In addition, our orifice diffuser is designed with a cover that sits on top of the impeller; this cover insures that no sand or stone enters the discharge piping and affects your leaching system.

**Our diffuser accommodates two sizes: 3/4"-1" pipe and 1-1/4"-2" pipe.**

**Why should you use Polylok's Orifice Diffuser?**

- Fits securely onto 3/4" - 1" pipe or 1-1/4" - 2" pipe
- Constructed of engineered resin
- Provides a tight fit which prevents slippage once installed
- Slotted design prevents plugging of discharge openings with surrounding soil
- Can be installed with discharge openings facing up or down
- 360° equal distribution

[Technical Specifications See Page 106](#)
**Pressure Distribution**

**Accessories**

**Ball Valves**
- PDS-BV-1.25, PDS-BV-1.5, PDS-BV-2.0
- 1-1/4", 1-1/2" & 2" True Union

**Check Valves**
- PDS-CV-B-1.25
- PDS-CV-B-1.5
- PDS-CV-B-2.0

**Orifice Shields**
- PDS-ZOS-075
- PDS-ZOS-100
- PDS-ZOS-125/150
- PDS-ZOS-200

**Sweep Assemblies**
- PDS-SA-075
- PDS-SA-1.0
- PDS-SA-1.25
- PDS-SA-1.5
- PDS-SA-2.0

**Grommets**
- PDS-GT-0.5
- PDS-GT-1.0
- PDS-GT-1.25
- PDS-GT-1.5
- PDS-GT-2.0
- PDS-GT-3.0
- PDS-GT-4.0-35
- PDS-GT-4.0-40

**Hole Saw Chart**

<table>
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<th>Grommet Size</th>
<th>1/2&quot;</th>
<th>1&quot;</th>
<th>1 1/4&quot;</th>
<th>1 1/2&quot;</th>
<th>2&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>5&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole Saw</td>
<td>1-5/16&quot;</td>
<td>1 3/4&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
<td>4&quot;</td>
<td>5&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

**Ball Valves**
- PDS-DV-4-4-2, PDS-DV-4-4-3, PDS-DV-4-4-4, PDS-DV-4-6-2, PDS-DV-4-6-3, PDS-DV-4-6-4, PDS-DV-4-6-5, PDS-DV-4-6-6
- Inlet hubs: 1.25"
- Outlet hubs: 4 outlet = 1.5", 6 outlets = 1"

**Features**
- Easy turn handles
- Quick disconnect feature

**Check Valves**
- PDS-CV-B-1.25, PDS-CV-B-1.5, PDS-CV-B-2.0
- Available in 1-1/4", 1-1/2" & 2" sizes

**Features**
- Brass valves are threaded

**Grommets**
- PDS-GT-0.5, PDS-GT-1.0, PDS-GT-1.25, PDS-GT-1.5, PDS-GT-2.0, PDS-GT-3.0, PDS-GT-4.0-35, PDS-GT-4.0-40
- Available sizes 1/2", 1, 1-1/4", 1-1/2", 2", 3" & 4"

**Features**
- Hole saw size printed on back of each grommet
- 4" grommet available in either SDR 35 or SDR 40

**Orifice Shields**
- PDS-ZOS-075, PDS-ZOS-100, PDS-ZOS-125/150, PDS-ZOS-200
- Available sizes 3/4", 1", 1-1/4", 1-1/2" & 2"

**Features**
- Protects drainfield orifices from dirt, sand and gravel
- Easily snaps on pipe
- 1/8" wide slots

**Sweep Assemblies**
- PDS-SA-075, PDS-SA-1.0, PDS-SA-1.25, PDS-SA-1.5, PDS-SA-2.0
- Available sizes 3/4", 1", 1-1/4", 1-1/2" & 2"

**Features**
- Provides clean out access to pressure distribution lines

**PRODUCT WARRANTY**

Distribution Valves - 2 Year
See page 50 for details.

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