TECHLINE CV QUICK INSTALL GUIDE

LITE LAYOUT

LAYOUT TIPS AND RECOMMENDATIONS
Techline CV can be installed on-surface, under mulch or subsurface buried evenly up to 6”. Use guidelines to select which Techline CV to use and how much to apply properly.

Estimating How Much Techline CV to Use
Multiply the square footage of the area x 12, divide that number by the minimum recommended row spacing from the General Guidelines Chart. (See back of sheet for more information.)

Fittings
- Techline CV fittings are recommended. They are the fastest to install, most economical and do not require clamps at pressures less than 50 psi.
- ½” Poly insert fittings with clamps can be used.
- 700 Series compression fittings can also be used.

Low Volume Control Zone Kit
Pre-assembled valve, filter and pressure regulator is more convenient to use than separate valve, filter and pressure regulator.
Two Models Available:
- Model # LVCZS8010075-LF (0.25 - 4.4 GPM)
- Model # LVCZS8010075-HF (4.5 - 17.6 GPM)

SUPPLY LATERAL
Use Techline CV Blank Tubing if zone is under 5 GPM or PVC/PE pipe if over 5 GPM.

TECHLINE CV DRIPLINE
Start rows of Techline CV 2” from hardscapes and 4” from softscapes.

MANUAL FLUSH VALVE
Use TLSOV or TLFIG8. Normally placed along exhaust header or at the point farthest away from the control zone kit. Install in the valve box with a gravel sump.

Mulch or Decomposed Granite
Add weed barrier as needed.

Low Volume Control Zone Kit
For easy installation of a valve, disc filter and pressure regulator valve (PRV)* use Netafim’s Low Volume Control Zone Kit in a standard 12” Valve Box. Models are available with a pre-assembled with 1” Control Valve, ½” Disc Filter and High/Low Flow Pressure Regulator.

Low Flow (0.25 - 4.4 GPM)
LVCZS8010075-LF
LVCZNV10075-LF (No Control Valve)

High Flow (4.5 - 17.6 GPM)
LVCZS8010075-HF
LVCZNV10075-HF (No Control Valve)

STAPLES
Use one TLS6 staple every 3’ of Techline CV in sand, every 4’ in loam and every 5’ feet in clay.

6” Soil Staple TLS6

Techline CV Dripline TLCV

Shut-off Valve TLSOV

Figure 8 Line End TLFIG8

Mulch or Decomposed Granite
Add weed barrier as needed.
### Steps for Choosing and Applying Techline® CV

#### Product Selection Guideline Charts

**General Guidelines**

<table>
<thead>
<tr>
<th>Turf</th>
<th>Clay Soil</th>
<th>Loam Soil</th>
<th>Sandy Soil</th>
<th>Coarse Soil</th>
<th>Clay Soil</th>
<th>Loam Soil</th>
<th>Sandy Soil</th>
<th>Coarse Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emitter Flow</td>
<td>0.26 GPH</td>
<td>0.4 GPH</td>
<td>0.6 GPH</td>
<td>0.9 GPH</td>
<td>0.26 GPH</td>
<td>0.4 GPH</td>
<td>0.6 GPH</td>
<td>0.9 GPH</td>
</tr>
<tr>
<td>Emitter Spacing</td>
<td>18”</td>
<td>12”</td>
<td>12”</td>
<td>12”</td>
<td>18”</td>
<td>18”</td>
<td>12”</td>
<td>12”</td>
</tr>
<tr>
<td>Lateral (Row) Spacing</td>
<td>18”</td>
<td>20”</td>
<td>18”</td>
<td>22”</td>
<td>12”</td>
<td>14”</td>
<td>16”</td>
<td>12”</td>
</tr>
<tr>
<td>Burial Depth</td>
<td>18”</td>
<td>20”</td>
<td>22”</td>
<td>24”</td>
<td>18”</td>
<td>20”</td>
<td>16”</td>
<td>18”</td>
</tr>
</tbody>
</table>

Following these maximum spacing guidelines, emitter flow selection can be increased if desired by the designer. 0.9 GPH flow rate available for areas requiring higher infiltration rates, such as coarse sandy soils.

**Maximum Length of a Single Lateral (Feet)**

<table>
<thead>
<tr>
<th>Emitter Spacing</th>
<th>12“</th>
<th>18“</th>
<th>24“</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emitter Flow (GPH)</td>
<td>0.26</td>
<td>0.4</td>
<td>0.6</td>
</tr>
<tr>
<td>20 psi</td>
<td>320</td>
<td>235</td>
<td>185</td>
</tr>
<tr>
<td>25 psi</td>
<td>405</td>
<td>295</td>
<td>235</td>
</tr>
<tr>
<td>35 psi</td>
<td>515</td>
<td>375</td>
<td>295</td>
</tr>
<tr>
<td>45 psi</td>
<td>590</td>
<td>435</td>
<td>340</td>
</tr>
</tbody>
</table>

**Flow per 100 Feet**

<table>
<thead>
<tr>
<th>Emitter Spacing</th>
<th>0.26 Emitter</th>
<th>0.4 Emitter</th>
<th>0.6 Emitter</th>
<th>0.9 Emitter</th>
</tr>
</thead>
<tbody>
<tr>
<td>12“</td>
<td>26.40 GPH</td>
<td>0.44 GPM</td>
<td>42.00 GPH</td>
<td>0.70 GPM</td>
</tr>
<tr>
<td>18“</td>
<td>17.58 GPH</td>
<td>0.29 GPM</td>
<td>28.00 GPH</td>
<td>0.47 GPM</td>
</tr>
<tr>
<td>24“</td>
<td>Not Standard</td>
<td>Not Standard</td>
<td>30.50 GPH</td>
<td>0.51 GPM</td>
</tr>
</tbody>
</table>

**Netafim Coil Label Code Key**

- **Flow Rate/Spacing**
  - 0.25 GPH
  - 0.4 GPH
  - 0.6 GPH
  - 0.9 GPH

Netafim Coil Label Code Key

Each coil has a label that is coded with color and graphic shapes for easy flow rate and emitter spacing identification. The flip side of the label includes a quick station run time guide.