

TECHLINE CV QUICK INSTALL GUIDE

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:

- Item # 76601-005320 or Model # LVCZ10075-LF (0.25 - 4.4 GPM)
- Item # 76601-005300 or Model # LVCZ10075-HF (4.5 - 17.6 GPM)

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.

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. Four models are available with a pre-assembled with 1" Control Valve, ¾" Disc Filter and High/Low Flow Pressure Regulator.

- **Low Flow** (0.25 - 4.4 GPM)
LVCZ10075-LF
LVCZ10075-LF (No Control Valve)
- **High Flow** (4.5 - 17.6 GPM)
LVCZ10075-HF
LVCV10075-HF (No Control Valve)

SUPPLY LATERAL

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

TECHLINE CV DRIPPERLINE

Start rows of Techline CV 2" from hardscapes and 4" from softscapes.



Techline CV Dripperline TLCV

LINE FLUSHING 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.



Shut-off Valve TLSOV



Figure 8 Line End TLFIG8

STAPLES

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



6" Soil Staple TLS6



STEPS FOR CHOOSING AND APPLYING TECHLINE® CV

FITTINGS



Insert Coupling
Model TLCOUP
Item 32500-003805



Insert Elbow
Model TLELL
Item 32500-005915



Insert Tee
Model TLTEE
Item 32500-004915



Insert Cross
Model TLCROS
Item 32500-006310



1/2" MPT Adapter
Model TL050MA
Item 32500-004420



3/4" MPT Adapter
Model TL075MA
Item 32500-004494



Combination Tee
Ins x Ins x 1/2" FPT
Model TL075FTEE
Item 32500-004708



3/4" MPT X 1/2"
Model TL2W075MA
Item 32500-004605



Insert Adapter for 1"
or Larger PE
(requires 11mm or 7/16" punch)
Model TLIAPE-B
Item 32000-005120



Insert Adapter
for 1 1/2" or Larger PVC
(requires TDBIT16.5)
Model TLIA PVC-B
Item 00135-000900



Drill Bit for PVC
Insert Adapter
Model TDBIT16.5
Item 45000-002750



Figure 8 Line End
Model TLFGB
Item 32500-013015



In-Line Check Valve
Model TLCOV050M1-B
Item 32000-003565



Dripper Micro-Tubing Adapter
Model TLMTU/BEADP
Item 32000-006315



6" Soil Staple
(Place approximately every 3'
of tubing, plus two on each
tee, elbow or cross)
Model TLS6
Item 78201-011320



Shut-off Valve Ins x Ins
Model TLSOV
Item 00005-008975

PRODUCT SELECTION GUIDELINE CHARTS

GENERAL GUIDELINES

	TURF			SHRUB & GROUND COVER		
	Clay Soil	Loam Soil	Sandy Soil	Clay Soil	Loam Soil	Sandy Soil
Dripper Flow	0.26 GPH	0.4 GPH	0.6 GPH	0.26 GPH	0.4 GPH	0.6 GPH
Dripper Interval	18"	12"	12"	18"	18"	12"
Lateral (Row) Spacing	18" - 22"	18" - 22"	12" - 16"	18" - 24"	18" - 24"	16" - 20"
Burial Depth	On-surface or bury evenly throughout the zone to a maximum of 6"					
Application Rate (inches/hour)	.19 - .15	.43 - .35	.96 - .72	.19 - .14	.29 - .21	.72 - .58
Time to Apply 1/4" of Water (minutes)	79 - 100	35 - 43	16 - 21	79 - 107	52 - 71	21 - 26

Following these maximum spacing guidelines, dripper 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.

FLOW PER 100 FEET

DRIPPER SPACING	0.26 DRIPPER		0.4 DRIPPER		0.6 DRIPPER		0.9 DRIPPER	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	26.40	0.44	40.00	0.67	61.00	1.02	92.00	1.53
18"	17.58	0.29	26.67	0.44	41.00	0.68	61.00	1.02
24"	Not Available		Not Available		31.00	0.51	46.00	0.77

NETAFIM COIL LABEL CODE KEY

FLOW RATE / SPACING	12"	18"	24"
0.26	▼	■	●
0.4	▼	■	●
0.6	▼	■	●
0.9	▼	■	●

Netafim Coil Label Code Key

Each coil has a label that is coded with color and graphic shapes for easy flow rate and dripper spacing identification. The Flip Side of the label includes a quick Station Run Time Guide.

MAXIMUM LENGTH OF A SINGLE LATERAL (FEET)

DRIPPER SPACING	12"				18"				24"		
Dripper Flow Rate (GPH)	0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9	
Inlet Pressure	20 psi	367	277	218	166	502	323	299	227	283	373
	25 psi	427	325	256	194	604	459	361	274	458	348
	35 psi	539	409	322	244	763	579	456	346	580	440
	45 psi	618	469	369	280	877	664	523	397	666	506

Dripperline available in 100, 250 and 1,000 foot coils.



NETAFIM USA

5470 E. HOME AVE.
FRESNO, CA 93727
CS 888 638 2346
F 800 695 4753

www.netafimusa.com

LTOSQI 7/09