

## Introduction

This manual provides a complete package of all information necessary to design, specify and maintain a Netafim low-volume irrigation system.

## Why Use Techline?

Designers work with Netafim Techline for several reasons. They include:

- Many designs can be done with a calculator, using easy-to-follow formulas. This greatly reduces design time.
- Plants grow 50%+ faster and use ½ of the water of an overhead irrigation system. (Subsurface drip irrigation (SSDI) is typically 90%+ efficient vs. 30% - 70% with overhead irrigation)
- Vandalism is greatly reduced
- Maintenance costs are greatly reduced
- Fertigation and chemigation are easy-to-accomplish with Techline
- Windy conditions do not pose a problem for dripperline
- Slopes are easy to design, creating maximum efficiency
- Odd-shaped areas and long, narrow areas are no problem with Techline
- Water droplets on delicate plants are eliminated
- Reduced water usage allows for larger areas to be zoned together
- Systems with low pressure or limited supply are no problem
- Water window issues are eliminated because Netafim Techline systems can often be operated anytime, day or night
- Staining and bleaching caused by overhead irrigation is eliminated
- Slipping and tripping hazards caused by the overspray of above grade sprinklers are eliminated
- Spray on buildings and at-grade windows is eliminated
- Graywater applications, often illegal with overhead irrigation, are typically legal with dripperline systems

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## Performance Specifications

Techline  
Techlite 17mm  
17mm Fittings  
Techlite 12mm  
12mm Fittings  
Techlite 8mm  
8mm Fittings  
Techfilter  
Line Flushing Valve  
Air / Vacuum Relief Valve  
Pressure Regulator  
Disc Filter  
Dripper Plug Ring  
Dripper Micro-Tubing Adapter  
Stainless Steel Clamps  
MOPC Dripper

## Bidding Specifications

Performance Specifications  
Bid Specification – Sample 1  
Bid Specification – Sample 2

## Typical Installation Details

Sample Layouts:

- End Feed
- Center Feed
- Parking Lot
- Slope
- Island
- Irregular
- Techline Perimeter for Sprinklers

Disc Filter  
Remote Control Valve and Techline Components  
Start Connections  
Air/Vacuum Relief Valve  
Line Flushing Valve  
Tree Plantings with Techline  
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Techline Subgrade Installation  
MOPC  
Pressure Regulating Valve  
Techline Fittings

## Other Information

Techline in Turfgrass

- Why and where to use Techline in turf?
- Tips for using Techline in sodded lawn
- Tips for using Techline in seeded lawn

Quick Reference Guide