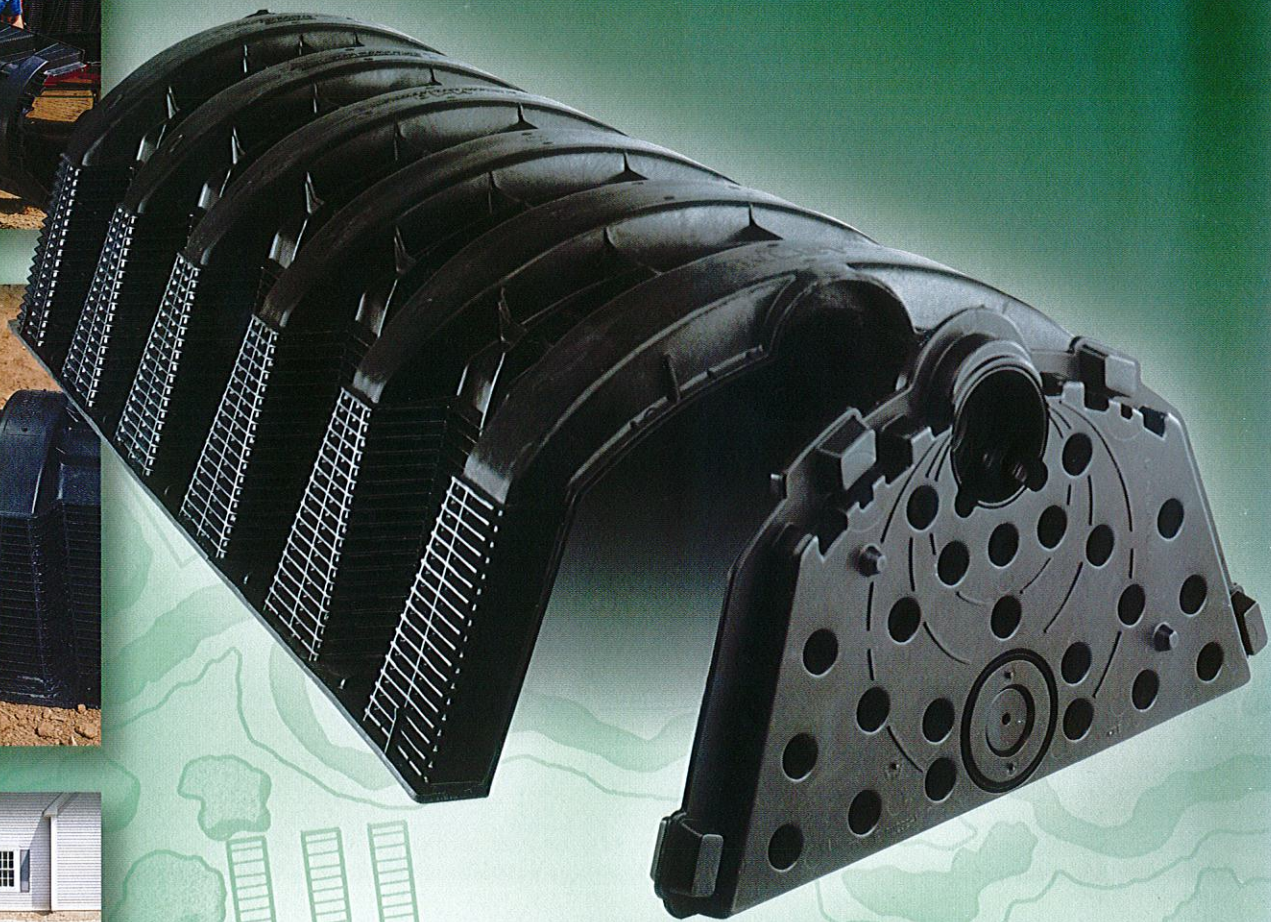
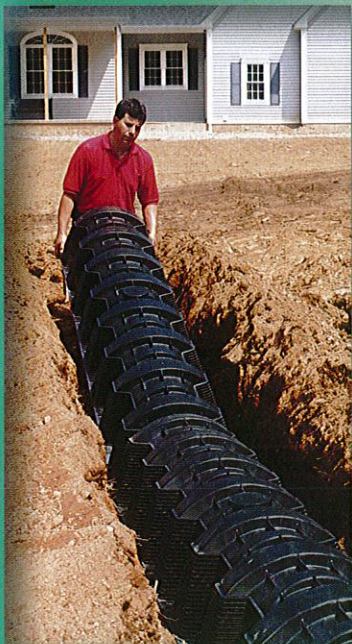
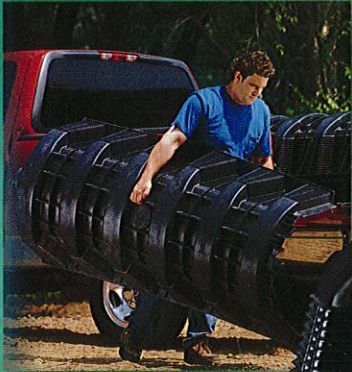


# INFILTRATOR Chamber Systems

*Product Catalog*

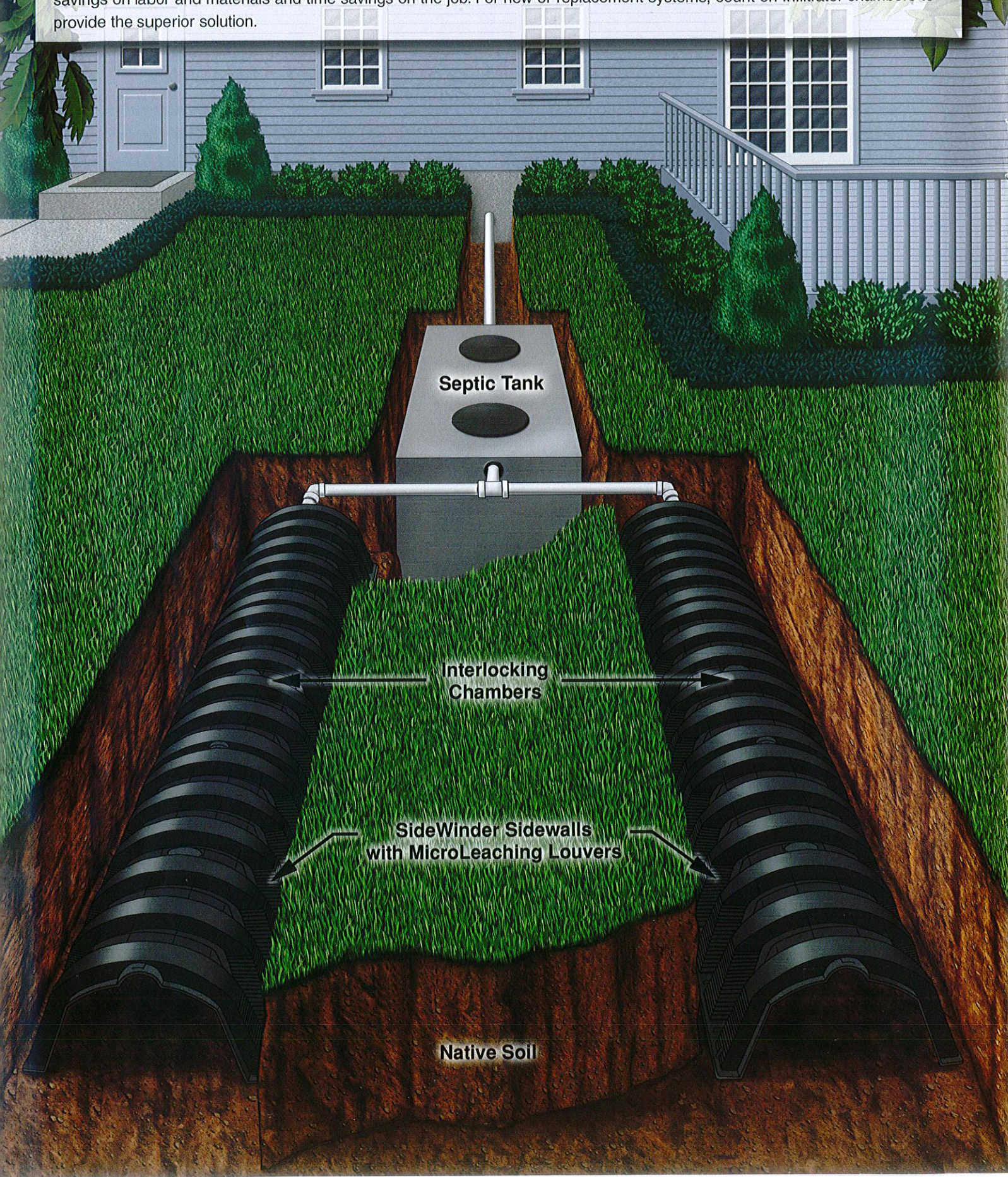


**Revolutionizing  
the Onsite  
Wastewater  
Industry**

**INFILTRATOR**<sup>®</sup>  
SYSTEMS INC  
*Environmental Onsite Wastewater Solutions™*

# Why Choose a Chamber System?

Compared with stone and pipe leachfields, Infiltrator chambers deliver a higher level of performance on every front – from ease of installation and system reliability to homeowner satisfaction. Together, the advantages of Infiltrator chambers add up to cost savings on labor and materials and time savings on the job. For new or replacement systems, count on Infiltrator chambers to provide the superior solution.



# Benefits of a Chamber System



## Ease of Installation

Infiltrator chambers can be delivered to the site in a pickup truck and hand-carried into position. For most jobs, two people can install a system in less than half the time it takes for a comparable stone and pipe leachfield.

## Cost Savings

No stone or geotextile is typically required, and cham-

ber installations use far less pipe. Because installations are faster with chambers, you save on heavy equipment operation and eliminate the need for heavy trucks used to transport stone.

## Built to Last

- Made from PolyTuff™, a proprietary blend of recycled polyolefin resins
- Chemical-resistant and UV-stable
- Powerful arch design supports loads of 16,000 lbs, with 12 inches of compacted cover, equivalent to an AASHTO rating of H-10
- All products carry a limited warranty
- Infiltrator Systems has a comprehensive quality-control program and is an ISO 9001: 2000 certified company

## Less Site Disruption

Since Infiltrator chambers typically occupy a smaller total area than stone and pipe leachfields, and use less heavy equipment, there is less damage to landscaping. Elimination of stone means cleanup at the job site is much easier too.

## A tested and proven success rate

Infiltrator is the number-one septic leachfield chamber system in the onsite industry and is approved in all 50 states, 45 states with up to a 50% smaller footprint. There are more than one million systems installed (and counting) and more than twenty-two million chambers in-ground in the United States and 13 other countries. One in every four systems installed in the United States is an Infiltrator system. Infiltrator chamber systems have stood the test of time with an established history of performance and reliability, beginning in 1987. In fact, field surveys of septic system performance and failure rates show that Infiltrator chamber systems meet the long-term performance standards required for modern onsite wastewater management systems.

## Superior Technology

- A solid top prevents infiltration of rainwater and the intrusion of fines
- MicroLeaching™ sidewall louvers reduce fines intrusion and promote sidewall leaching and evapotranspiration
- An inspection port cutout permits monitoring and maintenance
- Patented chamber interlocks with an advanced design connect chambers end-to-end with a precise fit



## Longevity and Reliability

Infiltrator chambers have a proven success rate, which is better than stone and pipe, giving homeowners and installers extra confidence.

## Product Availability

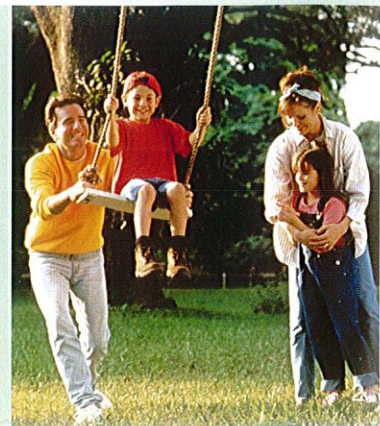
Infiltrator Systems has an extensive network of distributors throughout North America. These knowledgeable professionals maintain inventories of our products and also provide contractors and installers with product delivery and installation support.

## Responsive Service

Our technical staff and local sales representatives maintain a strong presence where it counts, in the field. You will also have the full assistance of our customer support team, which can answer your product and ordering questions and supply you with marketing materials.

## Training and Education

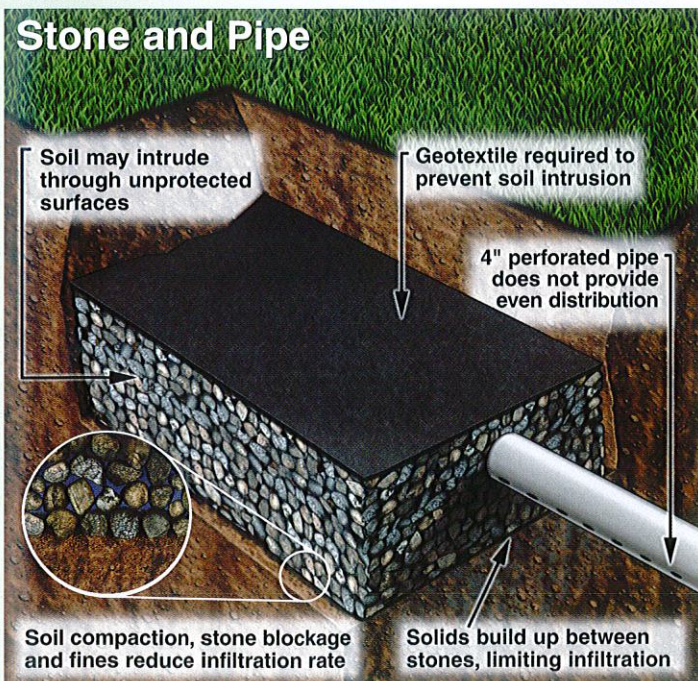
We offer installer training and authorization classes and field demonstrations to make installing Infiltrator chambers the most efficient and effective solution for you and your customers.



# Superior Technology

## The Infiltrator Chamber System

is a direct replacement for old-fashioned stone and pipe leachfields. Installed in 2- to 3-foot-wide trenches or beds, Infiltrator chambers promote effluent infiltration into the soil with 100% efficiency. The greater effective infiltrative capacity of Infiltrator chambers means that they can require as little as half the space of old-fashioned stone and pipe systems for equal or superior performance. This gives designers, installers and homeowners greater flexibility in placement of the septic leachfield, while minimizing disruption of the landscape and saving money.



**Compared with stone and pipe systems, Infiltrator chambers offer the following advantages:**

- Smaller footprint with equal or better performance
- Larger effective infiltrative area per linear foot
- Fast, easy installation
- Equivalent or greater storage capacity
- Higher Long-Term Acceptance Rate (LTAR)
- Patented sidewalls provide maximum infiltration

# Science Proves the Advantage

**Infiltrator chambers offer sizing reductions of up to 50%\* with equal or better performance.**

The laws of physics control wastewater disposal and treatment. Darcy's Law is the law of physics that predicts the saturated flow of water through the biomat and is expressed as  $Q=KiA$ .

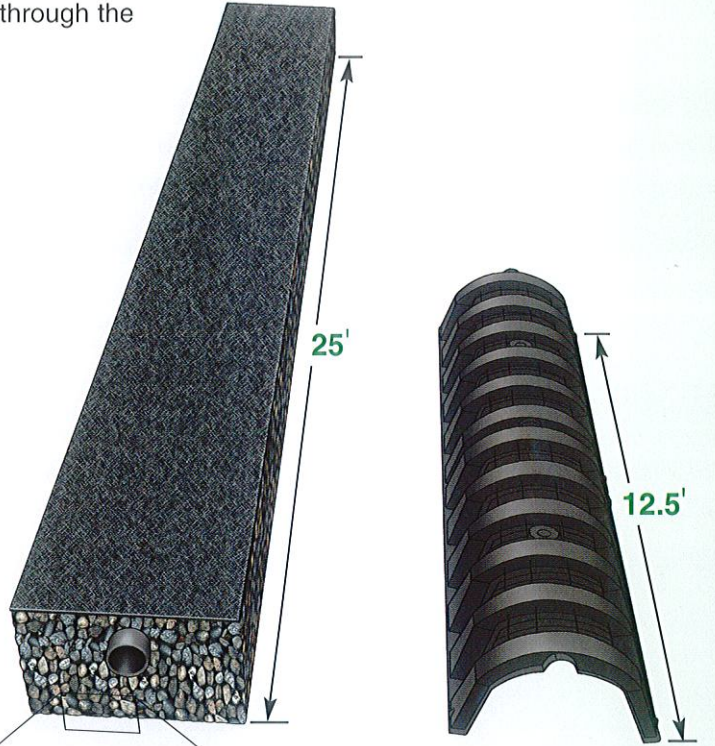
**Darcy's Law:  $Q = KiA$**   
 Q = flow rate  
 K = hydraulic conductivity of the media  
 i = hydraulic gradient  
 A = area

Simply stated, Darcy's Law illustrates that when the permeable area (A) is doubled,

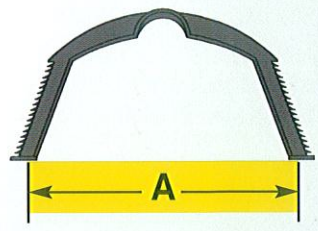
the flow rate (Q) is also doubled. (K) and (i) remain constant for a given site. This universally accepted principle explains how Infiltrator chambers offer long-term performance that is equal or superior to stone and pipe in a footprint that is up to 50%\* smaller.

Once the mature biomat forms in the leachfield, chamber systems have more than twice the effective permeable area of comparable stone and pipe leachfields. That's because in a stone trench, the soil pores in direct contact with the stones are blocked, leaving only the area between the stones to absorb the effluent.

A university study shows that the presence of aggregate reduces the effluent infiltration rate of the trench bottom by more than 55%.



**Stone and pipe system – Less than 50% efficiency**  
 In the stone and pipe system, the effective infiltrative area (< A >) is reduced due to the presence of stone.



**Infiltrator chambers – 100% efficiency**  
 With Infiltrator chamber systems, the entire area (< A >) at the bottom of the trench is unobstructed by stone, which means total infiltrative effectiveness.

## Side-by-Side Comparison

A 12.5-foot length of Infiltrator chamber trench has more effective infiltrative area than a 25-foot length of stone and pipe trench.\*

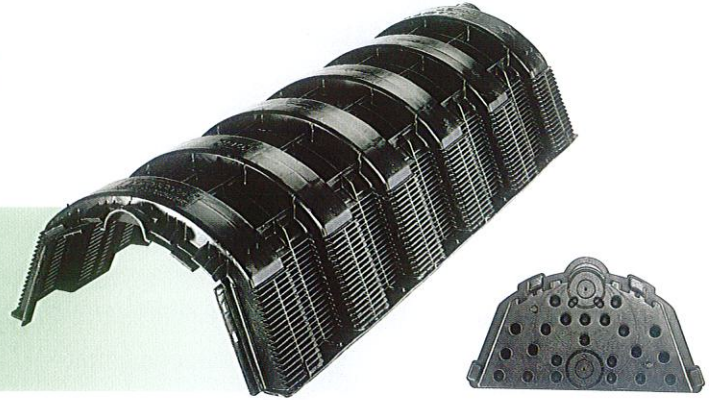
\* System sizing is determined by government regulations.

# INFILTRATOR

## High Capacity Infiltrator® Chamber

The High Capacity Infiltrator chamber offers maximum internal volume for temporary storage together with a large total effective infiltrative area and a 10-inch-high louvered sidewall.

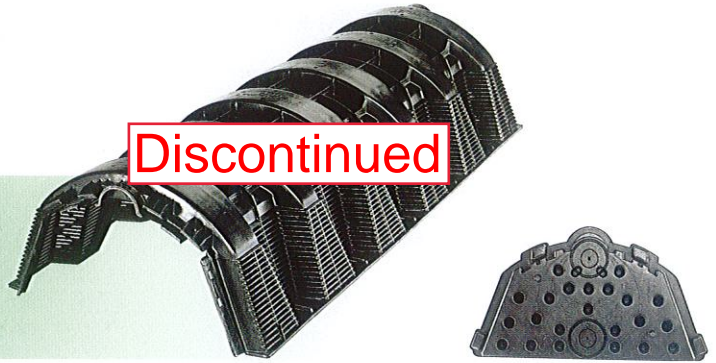
Size (W x L x H) .....34" x 75" x 16"  
Weight .....38 lbs  
Storage Capacity .....110 gal / 14.7 ft<sup>3</sup>  
Louvered Sidewall Height.....10"



## High Capacity SideWinder® Chamber

Infiltrator's revolutionary, patented SideWinder sidewall design provides the largest effective sidewall infiltrative surface area together with a large total storage capacity.

Size (W x L x H) .....34" x 75" x 16"  
Weight .....37 lbs  
Storage Capacity .....105.1 gal / 14.0 ft<sup>3</sup>  
Louvered Sidewall Height .....10"



## Equalizer® 36 Chamber

The Equalizer 36 chamber fits in a 24-inch-wide trench and features the SideWinder sidewall. The chamber is available with 9" and 6" invert endplates for a variety of design requirements.

Size (W x L x H) .....22" x 100" x 13.5"  
Weight .....33 lbs  
Storage Capacity .....74.6 gal / 10.0 ft<sup>3</sup>  
Louvered Sidewall Height .....10.3"



## Contour™ Chamber **Discontinued**



The Infiltrator Contour chamber accommodates natural terrain features and avoids obstructions. It has a unique angled end that can be adjusted from 3° to 9° for a left- or right-curving pattern with a 40° to 120° radius.

## ChamberSpacer™ **Discontinued**

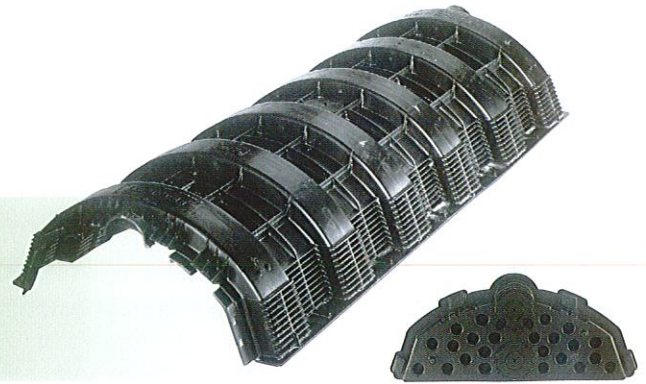


The ChamberSpacer helps to maintain a 4" or 6" separation between chambers in bed applications and side-by-side configurations. The ChamberSpacer facilitates back-filling for uniform installations.

# PRODUCT LINE

## Standard Infiltrator® Chamber

The Standard Infiltrator chamber is a low-profile unit with a 6-inch sidewall for shallow placement.



Size (W x L x H)	34" x 75" x 12"
Weight	26 lbs
Storage Capacity	78 gal / 10.4 ft³
Louvered Sidewall Height	6"

## Standard SideWinder® Chamber

The Standard SideWinder chamber combines the shallow-placement advantages of the Standard Infiltrator chamber with the revolutionary SideWinder sidewall.



Size (W x L x H)	34" x 75" x 12"
Weight	29 lbs
Storage Capacity	76 gal / 10.1 ft³
Louvered Sidewall Height	6"

## Equalizer® 24 Chamber

The Equalizer 24 chamber system is the optimal choice for narrow trenches and utilizes SideWinder technology to maximize infiltrative area.



Size (W x L x H)	15" x 100" x 11"
Weight	23 lbs
Storage Capacity	34 gal / 4.6 ft³
Louvered Sidewall Height	9.6"

## Contour™ Wedge

The innovative Contour Wedge provides extra flexibility to accommodate natural terrain features and to avoid obstacles. The 15° angled unit interlocks securely to chambers or other Contour Wedges. Available in Standard and High Capacity models for left or right turns, it can be used with Infiltrator and SideWinder chambers.



Standard Contour Wedge	
Size (W x L* x H)	34" x 9.5" x 12"
Weight	3.5 lbs
Storage Capacity	10 gal / 1.4 ft³

High Capacity Contour Wedge	
Size (W x L* x H)	34" x 9.5" x 16"
Weight	4 lbs
Storage Capacity	13 gal / 1.8 ft³

\*Length measured along center line.