

Infiltrator™

Chamber Systems



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What is the Infiltrator™ Chamber System?

The Quick4 Infiltrator™ Chamber System is a direct replacement for the stone and pipe, stormwater and wastewater French drain soakaway. Infiltrator™ Chambers promote effluent infiltration into the soil with 100% efficiency. The greater infiltrative capacity means that Chambers can require as little as half the space of old-fashioned stone and pipe systems.

Why choose a Chamber System?

Infiltrator™ Chamber Systems deliver a high level of performance on every front – from ease of installation and system reliability to homeowner satisfaction. Together, the advantages of Infiltrator™ Chamber add up to cost savings on labour and time savings on the job. For new, replacement, residential, public institutions or commercial systems, count on Infiltrator™ Chambers to provide the superior solution.

Advantages of a Quick4 Chamber System?



Ease of installation

Quick4 Chambers can be delivered to the site in a bakkie and hand-carried into position. For most jobs, two people can install a system in considerably less time than it takes for a comparable stone and pipe French drain soakaway.

Cost savings

No stone or geotextile is typically required and no pipe is required with non-pressure dosed systems. Because installations are faster with chambers, you save on transport and placement of stone, and wastage is eliminated.

Built to last

- Chemical-resistant and UV-stable
- Powerful arch design supports axle loads of 70 kN, with 300 mm of compacted cover, equivalent to an AASHTO H-10 load rating
- Chambers can be installed with 150 mm of cover to support axle loads of 17 kN
- Infiltrator™ Systems Inc has a comprehensive quality control program at their company-owned ISO 9001:2000 certified manufacturing facilities

Less site disruption

- Infiltrator™ Chambers typically occupy a smaller total area than stone and pipe French drain soakaways
- Infiltrator™ Chambers thus require the use of less heavy equipment that may modify and compact sensitive soils, causing less damage to landscaping
- Cleanup at the job site is much easier due to the elimination of stone
- Infiltrator™ Chambers are easily expanded or relocated if necessary

Superior technology

- Easy to handle length allows for more installation flexibility
- System sizing is determined by local shaping capability
- Advanced contouring capability with Contour Swivel Connection™
- StraightLock™ Tabs ensure straight alignment
- Compact nesting provides more trench length in a smaller storage area (50 chambers stack 1.4 m high)
- MultiPort™ End Caps offer multiple piping options and minimise the use of pipe fittings



Compliance and maintainability

Infiltrator™ Chambers have a recess where an optional inspection port can be installed. This provides access for post construction inspection, which can be done prior to acceptance of completed work. The inspection port also provides access for cleaning out any sludge accumulation in the soakaway system.



The Infiltrator™ Chamber system

Is a direct replacement for old-fashioned stone and pipe French drain soakaways and may require as little as half the space of old-fashioned stone and pipe systems. This gives designers, installers and homeowners greater flexibility in placement of this French drain soakaway alternative, while minimising disruption of the landscape and saving money. The quick installation minimises heavy construction traffic that may damage and compact sensitive soils.

Compared with stone and pipe, Infiltrator™ Chambers offer these advantages:

- Smaller footprint with equal or better performance allowing less site disruption
- Larger effective infiltrative area per linear metre allows you to install on sites with limited area
- Fast, easy installation saves time and money
- Equivalent or greater storage capacity means increased safety factor and peace of mind
- Higher Long-Term Acceptance Rate (LTAR) means you install a reliable top performing system
- Patented sidewalls provide maximum infiltration
- Entire bottom of chamber is open for unobstructed infiltration into soil



Science proves the advantage

Infiltrator™ Chambers offer sizing reductions of up to 50% with equal or better performance. University laboratory research and extended field evaluation has verified the infiltrative efficiency advantage of the open surface architecture provided by Infiltrator™ Chamber Systems over old-fashioned stone and pipe systems.



Product availability

Kaytech holds stock of Infiltrator™ Chambers and End Caps and also provides contractors and installers with product delivery and installation support.

Responsive service

Kaytech technical staff and local sales representatives maintain a strong presence where it counts – in the field. You will also have the full assistance of a customer support team, who can answer your product questions. We can also supply product brochures and the installation and design tools needed.

Environmentally friendly

Plastic waste is recycled to produce the environmentally friendly Infiltrator™ Chambers.

A tested and proven success rate

Infiltrator™ is the number-one septic manufactured drainfield system in the onsite industry and is approved. There are over 1.5 million Infiltrator™ Systems installed and more than 42 million Chambers in-ground worldwide. One in every four septic systems installed in the United States and Canada 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 and university studies of septic system performance and failure rates demonstrate that Infiltrator™ Chamber Systems meet the long-term performance standards required for onsite wastewater treatment systems.



Science proves the advantage - cont.

An obstructing layer of biomat forms in all French drain soakaways treating septic tank effluent. As the biomat develops, the infiltrative capacity of that remaining soil area is reduced to a point where ponding occurs in the soakaway.

The open surface architecture of Infiltrator™ Chambers over old-fashioned stone trenches is expressed as: 100% open area / 40% open area = 2.5 more infiltration potential.

With an added safety factor, a 50% smaller footprint will provide equal or better infiltration than a stone and pipe trench.



Infiltrator™ Quick4 product line

Quick4 High Capacity Chamber

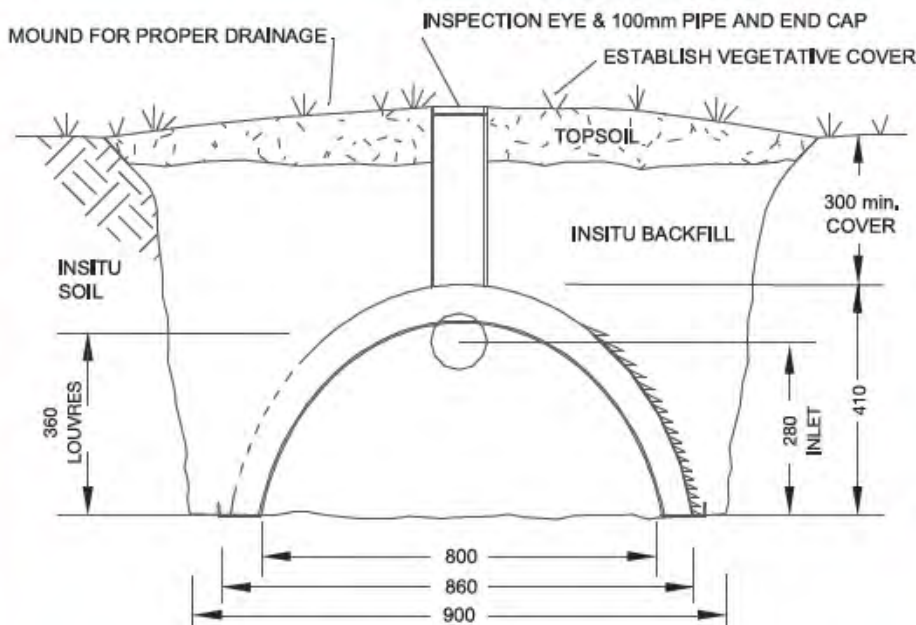
The Quick4 High Capacity Chamber can be installed in a 0.9 m wide trench. The Contour Swivel Connection™ allows the Chamber to swivel 10 degrees, left or right.

Size (W x L x H)	0.86 m x 1.35 m x 0.41 m
Effective Length	1.22 m
Capacity	235 l

Quick4 High Capacity MultiPort™ End Cap

The MultiPort™ End Cap with its eight moulded-in high and low inlets allows piping to enter or exit the system from multiple directions and eliminates pipe fittings.

Size (W x L x H)	0.86 m x 0.48 m x 0.41 m
Additional Length per Trench	0.71 m
Invert Height	0.29 m



SECTION QUICK 4 INFILTRATOR™ CHAMBER

Quick4
The Quickest
Drainfield Installation
in the Onsite Industry

Champion
POLYMER RECYCLING
A Division of Infiltrator™ Systems Inc.

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