

# Contactor® & Recharger® Septic Chambers *Chamber of Choice*™



**Contactor®  
EZ-24™**



**Recharger®  
150™**



**Contactor®  
100™**



**Recharger®  
180™**



**Contactor®  
125™**



**Recharger®  
280™**



**Contactor®  
Field Drain C-4™**



**Recharger®  
330XL™**



CULTEC



# Contactor® & Recharger® Septic Chambers *Chamber of Choice*™



A septic system achieves sewage treatment and disposal for rural homes where centralized sewage systems may not be available. It is composed of a septic tank and a drainfield. The sewage flows from the house to the septic tank where the solids are removed; the wastewater then flows to the drainfield where it is allowed to soak into the ground.

The drainfield (leachfield, disposal trench or subsurface disposal field) is an underground conduit network buried below the surface of the ground. The field distributes the effluent from the septic tank over a large area allowing it to percolate through the soil.

Conventional drainfields have used perforated pipe and stone systems or concrete galleries to distribute the effluent. CULTEC's Contactor and Recharger plastic chambers may be used in place of these conventional systems for more effective installation.

Our plastic septic chambers have been widely accepted in most parts of the United States for gravel-less septic leachfields as replacements for concrete galleries and conventional pipe and stone systems. Contact area is maximized by the fully open bottoms, perforated sidewalls, and use of CULTEC No. 410 Filter Fabric.

Due to their greater contact area, CULTEC chambers are commonly allowed to reduce the overall system sizing requirements up to 50% when approved by the local authority. *(Check your local septic code.)*

This sizing reduction may be a key factor when choosing septic products for a residence with tight site constraints, existing landscaping or when area is desired for other structures such as a swimming pool.



## Pipe Distribution Systems – PDS

CULTEC promotes the placement of perforated pipe along the top of the outside of their septic chambers. A filter fabric covering is then placed over the pipe and chamber. This method of installation is called a pipe distribution system or PDS system.

Wastewater is discharged through the perforations of the pipe directly onto the filter fabric. The filter fabric works as a sponge and absorbs the effluent and increases the total surface area of the septic system through capillary action. Overall concentration of effluent per square foot is thereby decreased.



When the pipe is on top of the unit, the suspended solids settle out on the outside of the chamber between the fabric and the sidewall bottom of the unit. This allows for the open bottom within the chamber to perform at maximum effectiveness since it is not being contaminated by the settling out of particles.

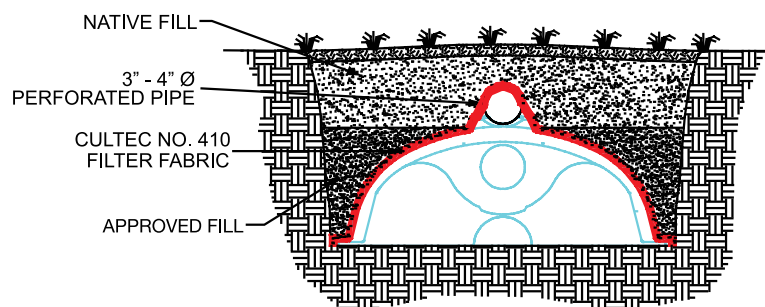
The effectiveness of the primary leaching base area is increased by allowing suspended solids to settle on the outside of the chamber rather than contaminating the open bottom area beneath the chamber.

A PDS system may either be a gravity system that relies on gravity to distribute the effluent or may be a pressure distribution system that employs a lift station with a pump to dispense the wastewater to the leachfields.

### CULTEC Chamber System

#### Benefits Include:

- Less land area required
- Greater contact with primary leaching area promotes maximum infiltration capabilities
- Lightweight
- Gravel-less installation allows for less heavy equipment time
- Patented overlapping rib connection is fast and easy to install
- Repeating support panel adds to strength of installation
- Long structural life expectancy
- Able to transport in a pick up truck
- System sizing reductions allowed in most areas  
(Check your local septic code.)





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	Contactor Field Drain C-4	Contactor EZ-24	Contactor 100	Contactor 125	Recharger 150	Recharger 180	Recharger 280	Recharger 330XL
Height	<i>inches</i> 8.5 <i>mm</i> 216	12 305	12.5 318	18 457	18.5 470	20.5 521	26.5 673	30.5 775
Width	<i>inches</i> 48 <i>mm</i> 1219	16 406	36 914	30 762	33 838	36 914	47 1194	52 1321
Length	<i>feet</i> 8.5 <i>m</i> 2.59	8.5 2.59	8 2.44	7.5 2.29	8.5 2.59	7.33 2.23	8 2.44	8.5 2.59
Installed Length	<i>feet</i> 8 <i>m</i> 2.44	8 2.44	7.4 2.26	6.25 1.91	7.5 2.29	6.33 1.93	7 2.13	7 2.13
Capacity	<i>gallons</i> 107.57 <i>liters</i> 407.2	52.06 197.1	117.30 444	124.55 471.5	168.5 637.8	188.9 715.1	363.81 1377.2	474.3 1795.46
Effective Leaching	<i>ft<sup>2</sup>/ft</i> 4.94	3.03	5.90	5	5.75	6.3	9	9.8

*These are actual calculations. Please refer to your state or local allowances as they may differ from the above Effective Leaching evaluations.*

The Contactor® Chamber series consists of lower profile, lower capacity chambers used for septic installations with depth restrictions or where larger units may not be approved by the local authority.

The Recharger® Chamber series consists of higher profile, higher capacity chambers. Fewer units are required resulting in a smaller overall footprint, where approved.

Heavy Duty (HD) versions must be used for traffic applications.

*Check your local septic code to see which CULTEC models are approved in your area and will best suit your needs.*

**Ask about using our  
chambers for Subsurface  
Stormwater Management.**



**CULTEC**

Chamber of Choice™

**CULTEC, Inc.**

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Protected by one or more of the following patents: U.S. Patent No. 5,087,151, U.S. Patent No. 5,419,838, U.S. Patent No. 6,129,482, U.S. Patent No. 6,322,288 B1.  
Other U.S. and Foreign patents. Other U.S. patents pending. RECHARGER®, CONTACTOR®, HVLV™ and STORMFILTER® are trade names of CULTEC, Inc.