



**State of Connecticut Septic Allowance**  
**CULTEC Contactor® and Recharger® Plastic**  
**Septic Chambers**



**As Replacements for Concrete Leaching Galleries**

Leaching gallery rows shall be installed level and follow ground contours. Leaching galleries shall be hollow structures with perforated or open joint sides and solid covers. Leaching galleries shall provide a minimum 40 inches of open bottom width. The sidewalls shall have a minimum depth of 12 inches and a maximum depth of 4 feet, including up to 6 inches of approved aggregate above the top of the structure. If approved aggregate is placed on top of the structure for additional credit, then perforated distribution pipe should be located above the top of the gallery if feasible. Twelve inches of approved aggregate shall be placed on the sides of concrete galleries and ends of the gallery rows. Stone aggregate backfill for concrete galleries shall meet the No. 4 stone aggregate gradation in Section VIII A. The width of the trench excavation shall not be less than 6 feet and the width of the hollow structure(s) shall be not less than 4 feet. The total length of excavated gallery row shall be utilized to calculate ELA. Four-inch heavy duty perforated distribution pipe (Table 2-A) may be installed on top of the gallery aggregate to receive an additional ELA credit of 0.6 SF/LF for 12-inch high galleries, and 0.8 SF/LF for all other galleries. Filter fabric must cover the aggregate and distribution pipe, and aggregate must be cradled around the bottom portion of the pipe to prevent the filter fabric from obstructing the perforated pipe openings.

For the purposes of Section VIII F & G, the ELA of leaching galleries rows and corresponding minimum C to C spacing between gallery rows shall be as follows:

Model	Gallery Height (inches)	Effective Leaching Credit (SF/LF)	Center to Center Spacing (feet)
Recharger 330XLHD <sup>1</sup>	36	8.0	12
Recharger 330XLHD	30	7.4	12
Recharger 280HD <sup>2</sup>	27	7.1	12
Twin Recharger 180 and 180HD <sup>3</sup>	24	6.8	12
Twin Contactor 100 and 100HD	12	5.9	12
Contactor Field Drain C-4 and C-4HD <sup>3</sup>	12	5.9	12

<sup>1</sup> Recharger 330XLHD requires 5.5" of stone over the top of the unit to be considered an equivalent.

<sup>2</sup> Recharger 280HD required 0.5" of stone over the top of the unit to be considered an equivalent.

<sup>3</sup> Recharger 180 and Contactor Field Drain C-4 require 3.5" of stone above the unit to be considered an equivalent.

Single plastic chambers (e.g., CULTEC Recharger 330XLHD) or multiple plastic chambers (e.g., CULTEC Contactor 100) can be utilized in a gallery configuration (Figure 16) as long as the minimum open bottom width of 40 inches is provided, and the proprietary leaching system company authorizes such installation practice. Stone aggregate backfill for plastic chambers shall meet the No. 4 or No. 6 stone aggregate gradation in Section VIII A.

**Plastic Leaching Chambers Backfilled with Approved Aggregate**

For the purpose of Section VIII F & G, the ELA of the products listed below and corresponding minimum C to C spacing between product rows shall be as follows:

Model	Dimensions (WxH)	Effective Leaching Area (SF/LF)	Center to Center Spacing (feet)
Contactor EZ-24 and EZ-24HD	16" x 12"	1.9	7
Contactor EZ-24 and EZ-24HD (PDS)	16" x 12"	2.5	7
Contactor 100 and 100HD	36" x 12.5"	3.7	7

Contactator 100 and 100HD (PDS)	36" x 12.5"	4.3	7
Recharger 180 and 180HD	36" x 20.5"	4.4	7
Recharger 180 and 180HD (PDS)	36" x 20.5"	5.1	9
Recharger 280HD	46" x 26.5 "	6.5	10
Recharger 280HD (PDS)	46" x 26.5 "	7.1	10
Recharger 330XLHD	52" x 30.5"	5.6	11

**Corrugated Leaching Systems Lined/Covered with Filter Fabric**

Filter fabric lined products shall be backfilled with select fill. Lined products backfilled with non-select fill may be approved by the Commissioner at reduced ELA credits upon application by the proprietary leaching system company. For the purpose of Section VIII F & G, the ELA of the products listed below and corresponding minimum C to C spacing between rows shall be as follows:

Model	Dimensions (WxH)	Effective Leaching Area (SF/LF)	Center to Center Spacing (feet)
Contactator EZ-24 and EZ-24HD	16" x 12"	1.9	7
Contactator EZ-24 and EZ-24HD (PDS)	16" x 12"	2.5	7
Contactator 100 and 100HD	36" x 12.5"	3.7	7
Contactator 100 and 100HD (PDS)	36" x 12.5"	4.3	7
Recharger 180 and 180HD	36" x 20.5"	4.4	7
Recharger 180 and 180HD (PDS)	36" x 20.5"	5.1	9
Recharger 280HD	46" x 26.5 "	6.5	10
Recharger 280HD (PDS)	46" x 26.5 "	7.1	10
Recharger 330XLHD	52" x 30.5"	5.6	11

Referenced:

[CONNECTICUT PUBLIC HEALTH CODE](#)

[On-site Sewage Disposal Regulations, and Technical Standards for Subsurface Sewage Disposal Systems](#)

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