

# CULTEC Recharger® 330XLHD Residential Drainage Chamber

The Recharger® 330XLHD is a 30" (762 mm) tall, high capacity chamber. Typically when using this model, fewer chambers are required resulting in less labor and a smaller installation area. The Recharger® 330XLHD has the side portal internal manifold feature. HVLV® FC-24 Feed Connectors are inserted into the side portals to create the internal manifold.

Size (L x W x H)	8.5' x 52" x 30" 2.59 m x 1321 mm x 762 mm
Installed Length	
R-model as Stand Alone Unit	102"
R-model as Row Starter Unit	93"
E-model as Row Middle Unit	84"
E-model as Row End Unit	93"
Chamber Storage	7.46 ft³/ft 0.69 m³/m 52.21 ft³/unit 1.48 m³/unit
Chamber Weight	73.0 lbs 33.11 kg
Shipping	30 chambers/skid 2,335 lbs/skid 10 skids/48' flatbed
Max. Allowable Cover	12' 3.66 m
Max. Inlet Opening in End Wall	24" HDPE, PVC 600 mm HDPE, PVC
Max. Allowable O.D. in Side Portal	10" HDPE, 12" PVC 250 mm HDPE, 300 mm PVC
Compatible Feed Connector	HVLV FC-24 Feed Connector



Calculations are based on installed chamber length.  
All above values are nominal.

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System Calculator



CAD / PDF Drawings



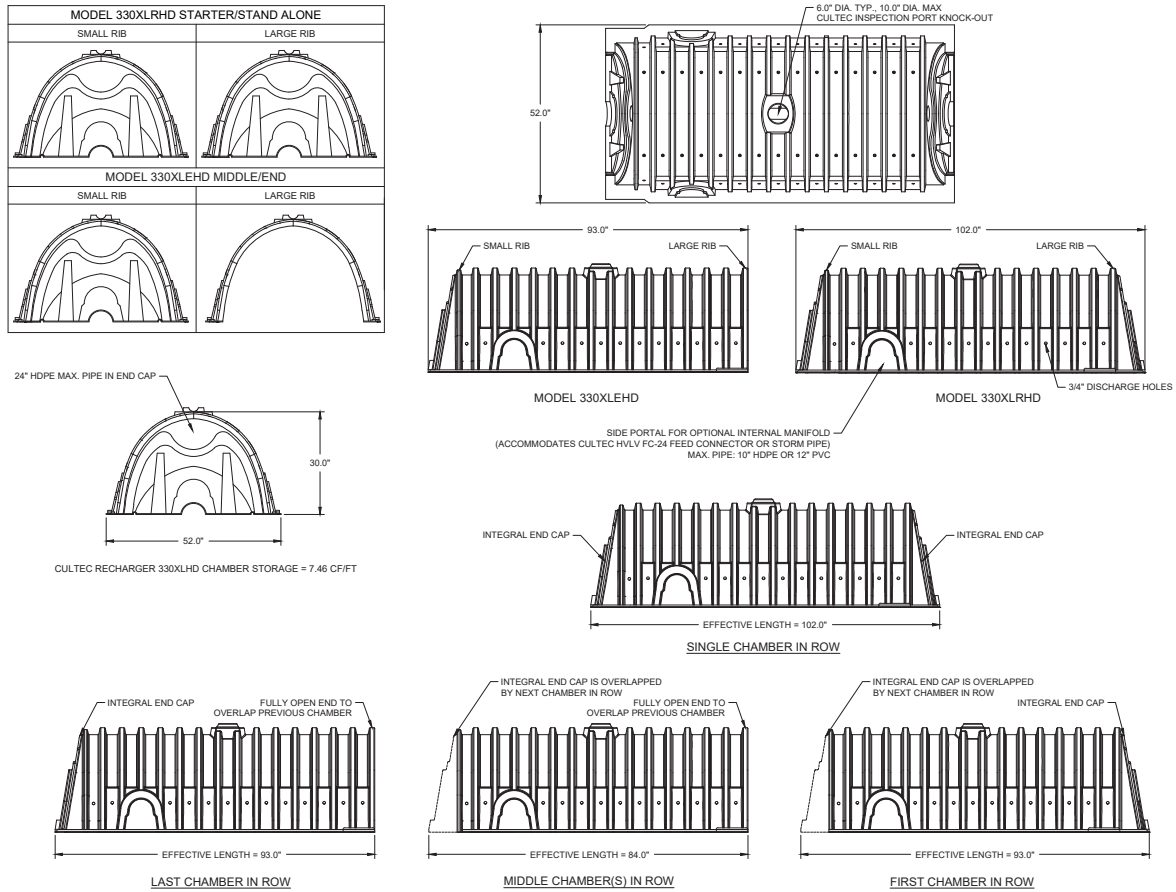
Installation Instructions



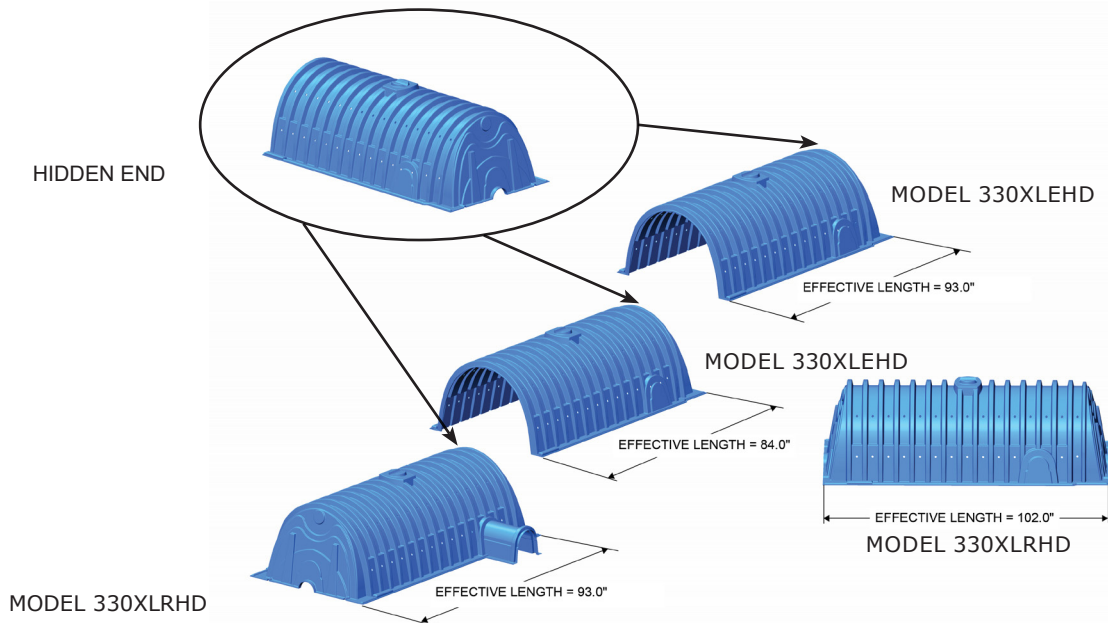
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## Three View Drawing



## Typical Interlock Installation

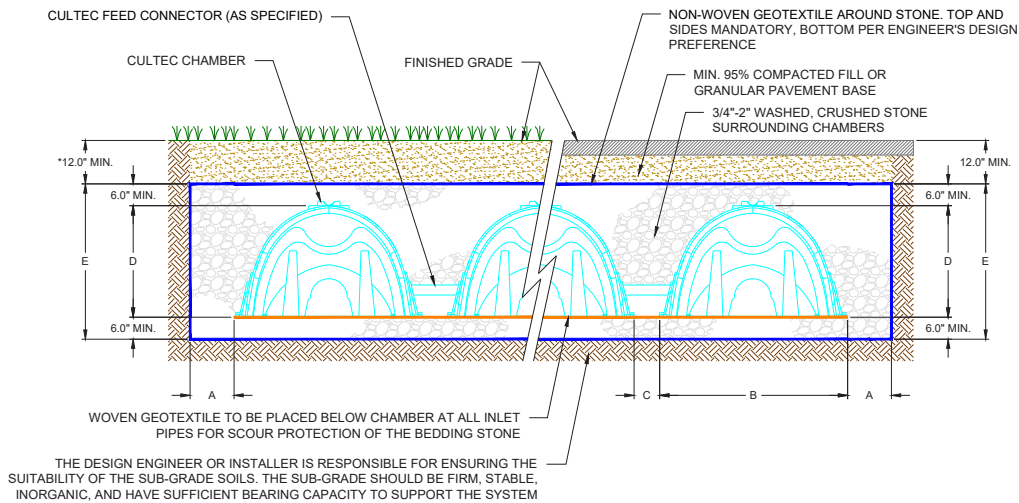


SHOWN WITH SIDE PORTAL TRIMMED AND OPTIONAL CULTEC HVLV FC-24 FEED CONNECTOR INSERTED.

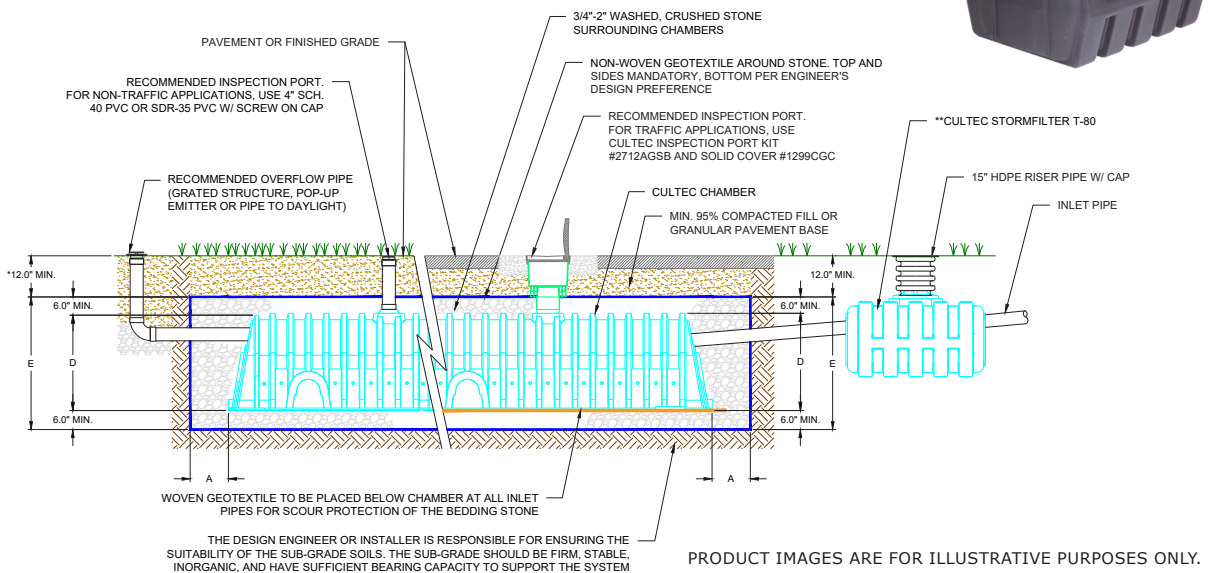
# Typical Residential Drainage Details

		Recharger 330XLHD
Ref.	Bare Chamber Volume	7.46 ft <sup>3</sup> /ft 52.21 ft <sup>3</sup> /unit 391 gal
A	Stone Border	12"
B	Chamber Width	52"
C	Row Spacing	6"
D	Chamber Height	30"
E	Effective Depth	42"
Chamber Length*		8.5'

\*Chamber length includes integral end walls.



PRODUCT IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY.  
\*FOR NON-TRAFFIC APPLICATIONS, THE DEPTH OF COVER ABOVE THE EMBEDMENT STONE LAYER MAY BE REDUCED TO 6.0"



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\*\*CULTEC RECOMMENDS THE USE OF THE STORMFILTER T-80 UPSTREAM OF ALL SYSTEM INLETS. THE STORMFILTER T-80 MUST BE LOCATED IN A NON-TRAFFIC AREA

For more information, contact **CULTEC** at (203) 775-4416 or visit [www.cultec.com](http://www.cultec.com).

# CULTEC Recharger® 330XLHD Specifications

## GENERAL

CULTEC Recharger® 330XLHD chambers are designed for underground residential drainage. The chambers may be used for retention, recharging, detention, or controlling the flow of on-site stormwater runoff or greywater.

## CHAMBER PARAMETERS

1. The chambers shall be manufactured in the U.S.A. by CULTEC of Brookfield, CT (cultec.com, 203-775-4416).
2. The chamber shall be vacuum thermoformed of polyethylene with a black interior and blue exterior.
3. The chamber shall be arched in shape.
4. The chamber shall be open-bottomed.
5. The chamber shall be joined using an interlocking overlapping rib method. Connections must be fully shouldered overlapping ribs, having no separate couplings or separate end walls.
6. The nominal chamber dimensions of the CULTEC Recharger® 330XLHD shall be 30 inches (762 mm) tall, 52 inches (1321 mm) wide and 8.5 feet (2.59 m) long. The installed length of a joined Recharger® 330XLHD shall be 7 feet (2.13 m).
7. Maximum inlet opening on the chamber end wall is 24 inches (600 mm) HDPE, PVC.
8. The chamber shall have two side portals to accept CULTEC HVLV® FC-24 Feed Connectors to create an internal manifold. Maximum allowable O.D. in the side portal is 10 inches (250 mm) HDPE and 12 inches (300 mm) PVC.
9. The nominal chamber dimensions of the CULTEC HVLV® FC-24 Feed Connector shall be 12 inches (305 mm) tall, 16 inches (406 mm) wide and 24.2 inches (614 mm) long.
10. The nominal storage volume of the Recharger® 330XLHD chamber shall be 7.459 ft<sup>3</sup> / ft (0.693 m<sup>3</sup> / m) - without stone.
11. The Recharger® 330XLHD chamber shall have twenty-six discharge holes bored into the sidewalls of the unit's core to promote lateral conveyance of water.
12. The Recharger® 330XLHD chamber shall have 16 corrugations.
13. The end wall of the chamber, when present, shall be an integral part of the continuously formed unit. Separate end plates cannot be used with this unit.
14. The Recharger® 330XLHD Stand Alone/Starter unit must be formed as a whole chamber having two fully formed integral end walls and having no separate end plates or separate end walls.
15. The Recharger® 330XLHD Middle/End unit must be formed as a whole chamber having one fully formed integral end wall and one fully open end wall and having no separate end plates or end walls.
16. The HVLV® FC-24 Feed Connector must be formed as a whole chamber having two open end walls and having no separate end plates or separate end walls. The unit shall fit into the side portals of the Recharger® 330XLHD and act as cross feed connections.
17. Chambers must have horizontal stiffening flex reduction steps between the ribs.
18. The chamber shall have a raised integral cap at the top of the arch in the center of each unit to be used as an optional inspection port or clean-out.
19. The units may be trimmed to custom lengths by cutting back to any corrugation on the large rib end.
20. The chamber shall be manufactured in an ISO 9001:2015 certified facility.
21. Maximum allowable cover over the top of the chamber shall be 12' (3.66 m).
22. The chamber shall be designed to withstand traffic loads when installed according to CULTEC's recommended installation instructions.



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