CULTEC RECHARGER 150XLD HEAVY DUTY THREE VIEW

1. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

2. The chamber shall be manufactured in an ISO 9001:2015 certified facility.

3. The chamber shall be arched in shape.

4. The chamber shall be vacuum thermoformed of high molecular weight high density polyethylene (HMWHDPE) with a black interior and blue exterior.

5. The chamber shall be designed to withstand traffic loads when installed.

6. The chamber shall be designed to provide a barrier that prevents soil intrusion into the stone.

7. The chamber shall have a raised integral cap at the top of the arch in the end detail.

8. The chamber shall have optional extensions for results of system between the cells.

9. The chamber shall have two separate end plates or end walls.

10. The chamber shall have a width of 16.0" (406 mm) and a length of 24.2" (614 mm).

11. The chamber shall have a maximum pipe size of 12.0" (305 mm) minimum into the chamber.

12. All inlet/outlet pipes (for scour protection) shall be 12.0" (305 mm) minimum.

13. The chamber shall be designed to withstand traffic loads when installed.

14. The chamber shall be designed to provide a barrier that prevents soil intrusion into the stone.

15. The chamber shall be formed as a whole.

16. Heavy duty units are designated by a colored stripe formed into the part along the length of the chamber.

17. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

18. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

CULTEC RECHARGER 150XLD HEAVY DUTY CROSSECTION

1. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

2. The chamber shall be manufactured in an ISO 9001:2015 certified facility.

3. The chamber shall be arched in shape.

4. The chamber shall be vacuum thermoformed of high molecular weight high density polyethylene (HMWHDPE) with a black interior and blue exterior.

5. The chamber shall be designed to withstand traffic loads when installed.

6. The chamber shall be designed to provide a barrier that prevents soil intrusion into the stone.

7. The chamber shall have a raised integral cap at the top of the arch in the end detail.

8. The chamber shall have optional extensions for results of system between the cells.

9. The chamber shall have two separate end plates or end walls.

10. The chamber shall have a width of 16.0" (406 mm) and a length of 24.2" (614 mm).

11. The chamber shall have a maximum pipe size of 12.0" (305 mm) minimum into the chamber.

12. All inlet/outlet pipes (for scour protection) shall be 12.0" (305 mm) minimum.

13. The chamber shall be designed to withstand traffic loads when installed.

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16. Heavy duty units are designated by a colored stripe formed into the part along the length of the chamber.

17. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

18. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

CULTEC RECHARGER 150XLD HEAVY DUTY TYPICAL INTERLOCK

1. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

2. The chamber shall be manufactured in an ISO 9001:2015 certified facility.

3. The chamber shall be arched in shape.

4. The chamber shall be vacuum thermoformed of high molecular weight high density polyethylene (HMWHDPE) with a black interior and blue exterior.

5. The chamber shall be designed to withstand traffic loads when installed.

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8. The chamber shall have optional extensions for results of system between the cells.

9. The chamber shall have two separate end plates or end walls.

10. The chamber shall have a width of 16.0" (406 mm) and a length of 24.2" (614 mm).

11. The chamber shall have a maximum pipe size of 12.0" (305 mm) minimum into the chamber.

12. All inlet/outlet pipes (for scour protection) shall be 12.0" (305 mm) minimum.

13. The chamber shall be designed to withstand traffic loads when installed.

14. The chamber shall be designed to provide a barrier that prevents soil intrusion into the stone.

15. The chamber shall be formed as a whole.

16. Heavy duty units are designated by a colored stripe formed into the part along the length of the chamber.

17. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).

18. The chamber shall be formed in the shape of a CULTEC, Inc. of Medfield, CT model, and shall have a minimum height of 10.0" (254 mm) and a minimum width of 12.0" (304 mm) and a maximum length of 12.0' (3.66 m).
MINIMUM REQUIREMENTS. CULTEC DOES NOT APPROVE PLANS, SIZING, OR SYSTEM DESIGNS.

CULTEC RECHARGER 150XLDH HEAVY DUTY TYPICAL INTERLOCK

GENERAL NOTES

CULTEC RECHARGER 150XLDH HEAVY DUTY THREE VIEW

CULTEC RECHARGER 150XLDH HEAVY DUTY CROSS SECTION

CULTEC RECHARGER 150XLDH HEAVY DUTY END DETAIL INFORMATION

4. CONNECTOR OR STORM PIPE AS NEEDED (SEE FIGURE 1). CUT SHALL BE TRIM CHAMBER INSPECTION PORT KNOCK-OUT TO 6.0" [150 mm] SDR-35 / SCH. 40 PVC PLACED BENEATH INLET PIPES 12.0' [3.66 m] MAX. NATURALLY COMPACTED FILL PER ENGINEER'S DESIGN PREFERENCE 6.0" [150 mm] SDR-35 / SCH. 40 PVC ENDCAP

8. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.

11. ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAS BEEN MET THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.

12. (14 X 16 KN/M) PER ASTM THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING

19. HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART 23. CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.

20. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D4632

21. THE GEOTEXTILE SHALL HAVE A ELONGATION @ BREAK RESISTANCE OF 20 X 20% PER ASTM D4632

22. THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M). THE RECHARGER 150XLSHD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER

23. THE RECHARGER 150XLHD CHAMBER SHALL HAVE THIRTY DISCHARGE HOLES BORED INSTALLED LENGTH ADJUSTMENT = 0.75' [0.23 m]

THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THE ENDWALL OF THE CHAMBER, WHEN PRESENT, SHALL BE AN INTEGRAL PART OF

THE CHAMBER SHALL BE OPEN-BOTTOMED.

CULTEC RECHARGER 150XLHD CHAMBER STORAGE = 2.65 CF/FT [0.245 m³/m] THE NOMINAL STORAGE VOLUME OF A UNITS ARE USED AS SINGLE

HIDDEN END

DATA SHEET - NON-TRAFFIC APPLICATION

CULTEC RECHARGER 150XLDH DETAIL SHEET

CULTEC INTERNAL MANIFOLD - OPTIONAL INSPECTION PORT DETAIL

CULTEC STORMWATER CHAMBER

PROJECT NO: 2018

DRAWN BY: CULTEC, INC CHECKED BY: TECH

SCALE: N.T.S. SHEET NO: 1 OF 1