

CULTEC CONTACTOR FIELD DRAIN C-4 SPECIFICATIONS

GENERAL

CULTEC CONTACTOR FIELD DRAIN C-4 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC CONTACTOR FIELD DRAIN C-4 SHALL BE 8.5 INCHES TALL, 48 INCHES WIDE AND 8.5 FEET LONG. THE INSTALLED LENGTH OF A JOINED UNIT SHALL BE 8 FEET.
4. THE CHAMBER COMES STANDARD WITH A 4.5 INCH INLET/OUTLET OPENING. THE OPENING MAY BE INCREASED TO 4.5 INCH MAXIMUM DIAMETER.
5. THE CHAMBER WILL HAVE 100 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE CONTACTOR FIELD DRAIN C-4 WILL BE 1.692 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS MUST HAVE ACHIEVED A MINIMUM OF 5 YEARS INSTALLATION HISTORY WITHOUT STRUCTURAL DEFICIENCIES.
10. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
11. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
12. THE CONTACTOR FIELD DRAIN C-4R STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
13. THE CONTACTOR FIELD DRAIN C-4E MIDDLE/END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
14. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE EIGHTY ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
15. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
16. CONTACTOR FIELD DRAIN C-4HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. CONTACTOR HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
17. CONTACTOR FIELD DRAIN C-4 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
18. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
19. UNITS WILL 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.
20. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
21. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 8 FEET.

CULTEC CONTACTOR EZ24 SPECIFICATIONS

GENERAL

CULTEC CONTACTOR EZ24 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC CONTACTOR EZ24 SHALL BE 12 INCHES TALL, 16 INCHES WIDE AND 8.5 FEET LONG. THE INSTALLED LENGTH OF A JOINED UNIT SHALL BE 8 FEET.
4. THE CONTACTOR EZ24 COMES STANDARD WITH A 4.5 INCH INLET/OUTLET OPENING. THE OPENING MAY BE INCREASED TO 6 INCH MAXIMUM DIAMETER.
5. THE CHAMBER WILL HAVE 19 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE CONTACTOR EZ24 WILL BE 0.819 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS MUST HAVE ACHIEVED A MINIMUM OF 5 YEARS INSTALLATION HISTORY WITHOUT STRUCTURAL DEFICIENCIES.
10. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
11. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
12. THE CONTACTOR EZ24R STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
13. THE CONTACTOR EZ24E MIDDLE/END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
14. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE THIRTY-SIX ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
15. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
16. CONTACTOR EZ24HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. CONTACTOR® HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
17. CONTACTOR EZ24 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
18. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
19. UNITS WILL 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.
20. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
21. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 8 FEET.

CULTEC CONTACTOR 100 SPECIFICATIONS

GENERAL

CULTEC CONTACTOR 100 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC CONTACTOR 100 SHALL BE 12.5 INCHES TALL, 36 INCHES WIDE AND 8 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 7.5 FEET.
4. THE CONTACTOR 100 COMES STANDARD WITH A 4.5 INCH INLET/OUTLET OPENING. THE OPENING MAY BE INCREASED TO 10 INCH MAXIMUM DIAMETER.
5. THE CHAMBER WILL HAVE 16 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE CONTACTOR 100 WILL BE 1.866 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS MUST HAVE ACHIEVED A MINIMUM OF 5 YEARS INSTALLATION HISTORY WITHOUT STRUCTURAL DEFICIENCIES.
10. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
11. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
12. THE CONTACTOR 100R STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
13. THE CONTACTOR 100E MIDDLE/END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
14. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE FIFTY-SIX ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
15. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
16. CONTACTOR 100HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS. /AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. CONTACTOR® HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
17. CONTACTOR 100 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
18. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
19. UNITS WILL 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.
20. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
21. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 7.5 FEET.

CULTEC CONTACTOR 125 SPECIFICATIONS

GENERAL

CULTEC CONTACTOR 125 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC CONTACTOR 125 SHALL BE 18 INCHES TALL, 30 INCHES WIDE AND 7.5 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 6.25 FEET.
4. THE CONTACTOR 125 COMES STANDARD WITH A 4.75 INCH INLET/OUTLET OPENING. THE OPENING MAY BE INCREASED TO 12 INCH MAXIMUM DIAMETER.
5. THE CHAMBER WILL HAVE 15 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE CONTACTOR 125 WILL BE 2.22 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS MUST HAVE ACHIEVED A MINIMUM OF 5 YEARS INSTALLATION HISTORY WITHOUT STRUCTURAL DEFICIENCIES.
10. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
11. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
12. THE CONTACTOR 125R STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
13. THE CONTACTOR 125E MIDDLE/END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
14. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE FIFTY-TWO ¼ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
15. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
16. CONTACTOR 125HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS. /AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. CONTACTOR® HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
17. CONTACTOR 125 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
18. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
19. UNITS WILL 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.
20. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
21. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 6.25 FEET.

CULTEC RECHARGER 150 SPECIFICATIONS

GENERAL

CULTEC RECHARGER 150 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 150 SHALL BE 18.5 INCHES TALL, 33 INCHES WIDE AND 8.5 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 7.5 FEET.
4. THE STANDARD DUTY VERSION OF THE CHAMBER COMES STANDARD WITH A 4.75 INCH INLET/OUTLET OPENING; THE HEAVY DUTY VERSION DOES NOT COME WITH A PRE-DRILLED INLET/OUTLET. MAXIMUM INLET OPENING IS 12 INCHES.
5. THE CHAMBER WILL HAVE 16 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 150 WILL BE 2.65 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
10. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
11. THE RECHARGER 150R STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS.
12. THE RECHARGER 150S STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9.6 INCHES HIGH X 23 INCHES WIDE.
13. THE RECHARGER 150I INTERMEDIATE CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING AT LEAST ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9.6 INCHES HIGH X 23 INCHES WIDE.
14. THE RECHARGER 150E END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL.
15. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE SIXTY ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
16. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
17. RECHARGER 150HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. RECHARGER 150HD HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
18. RECHARGER 150 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
19. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
20. UNITS WILL 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.
21. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
22. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 7.5 FEET.

CULTEC RECHARGER 180 SPECIFICATIONS

GENERAL

CULTEC RECHARGER 180 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 180 SHALL BE 20.5 INCHES TALL, 36 INCHES WIDE AND 7.33 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 6.33 FEET.
4. THE STANDARD DUTY VERSION OF THE CHAMBER COMES STANDARD WITH A 4.75 INCH INLET/OUTLET OPENING; THE HEAVY DUTY VERSION DOES NOT COME WITH A PRE-DRILLED INLET/OUTLET. MAXIMUM INLET OPENING IS 15 INCHES.
5. THE CHAMBER WILL HAVE 14 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 180 WILL BE 3.445 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
10. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
11. THE RECHARGER 180R STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS.
12. THE RECHARGER 180S STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 7 INCHES HIGH X 24 INCHES WIDE.
13. THE RECHARGER 180I INTERMEDIATE CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING AT LEAST ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 7 INCHES HIGH X 24 INCHES WIDE.
14. THE RECHARGER 180E END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL.
15. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE SEVENTY-EIGHT 3/4 INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
16. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
17. RECHARGER 180HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. RECHARGER 180HD HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
18. RECHARGER 180 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
19. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
20. UNITS WILL 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.
21. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
22. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 6.33 FEET.

CULTEC RECHARGER 280 SPECIFICATIONS

GENERAL

CULTEC RECHARGER 280 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 280 SHALL BE 26.5 INCHES TALL, 47 INCHES WIDE AND 8.0 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 7.0 FEET.
4. THE STANDARD DUTY VERSION OF THE CHAMBER COMES STANDARD WITH A 4.75 INCH INLET/OUTLET OPENING; THE HEAVY DUTY VERSION DOES NOT COME WITH A PRE-DRILLED INLET/OUTLET. MAXIMUM INLET OPENING IS 18 INCHES.
5. THE CHAMBER WILL HAVE 15 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 280 WILL BE 6.079 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
10. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
11. THE RECHARGER 280R STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS.
12. THE RECHARGER 280S STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10 INCHES HIGH X 35 INCHES WIDE.
13. THE RECHARGER 280I INTERMEDIATE CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING AT LEAST ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10 INCHES HIGH X 35 INCHES WIDE.
14. THE RECHARGER 280E END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL.
15. ALL CHAMBERS WILL BE ARCHED IN SHAPE AND HAVE EIGHTY-TWO ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
16. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
17. RECHARGER 280HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. RECHARGER 280HD HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
18. RECHARGER 280 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
19. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
20. UNITS WILL 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.
21. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
22. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 7.0 FEET.

CULTEC RECHARGER 330 SPECIFICATIONS

GENERAL

CULTEC RECHARGER 330 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER AND/OR ON-SITE WASTEWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF OR AS SEPTIC LEACHFIELDS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 330 SHALL BE 30.5 INCHES TALL, 52 INCHES WIDE AND 7.5 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 6.25 FEET.
4. THE STANDARD DUTY VERSION OF THE CHAMBER COMES STANDARD WITH A 4.75 INCH INLET/OUTLET OPENING; THE HEAVY DUTY VERSION DOES NOT COME WITH A PRE-DRILLED INLET/OUTLET. MAXIMUM INLET OPENING IS 24 INCHES.
5. THE HEAVY DUTY CHAMBER WILL HAVE 15 CORRUGATIONS. THE STANDARD DUTY CHAMBER WILL HAVE 14 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 330 WILL BE 7.459 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
10. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
11. THE RECHARGER 330R STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS.
12. THE RECHARGER 330S STARTER CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10.5 INCHES HIGH X 40.5 INCHES WIDE.
13. THE RECHARGER 330I INTERMEDIATE CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING AT LEAST ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10.5 INCHES HIGH X 40.5 INCHES WIDE.
14. THE RECHARGER 330E END CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALL.
15. ALL CHAMBERS WILL BE ARCHED IN SHAPE. THE HEAVY DUTY CHAMBER WILL HAVE SEVENTY-EIGHT ¾ INCH ROUND DISCHARGE HOLES, THE STANDARD DUTY CHAMBER WILL HAVE SEVENTY-TWO ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
16. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
17. RECHARGER 330HD HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. RECHARGER 330HD HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
18. RECHARGER 330 STANDARD DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H10 LOAD RATING (16,000 LBS./AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
19. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
20. UNITS WILL 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.
21. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
22. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 6.25 FEET.

CULTEC RECHARGER V8 INTERMEDIATE SPECIFICATIONS

GENERAL

CULTEC RECHARGER V8 CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION, OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER V8 SHALL BE 34 INCHES TALL, 54 INCHES WIDE AND 8 FEET LONG. THE INSTALLED LENGTH OF INTERMEDIATE UNITS SHALL BE 7.5 FEET.
4. THE HEAVY DUTY VERSION DOES NOT COME WITH A PRE-DRILLED INLET/OUTLET. MAXIMUM INLET OPENING IS 24 INCHES.
5. THE HEAVY DUTY CHAMBER WILL HAVE 17 CORRUGATIONS.
6. THE NOMINAL STORAGE VOLUME OF THE RECHARGER V8 WILL BE 8.933 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM, INTEGRALLY FORMED END WALLS AND PERFORATED SIDEWALLS.
9. THE CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
10. THE CHAMBER'S END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.
11. THE RECHARGER V8I INTERMEDIATE CHAMBER MUST BE FORMED AS A WHOLE CHAMBER HAVING AT LEAST ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 18 INCHES HIGH X 42 INCHES WIDE.
12. ALL CHAMBERS WILL BE ARCHED IN SHAPE. THE HEAVY DUTY CHAMBER WILL HAVE SIXTY-FOUR ¾ INCH ROUND DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE INFILTRATION/EXFILTRATION.
13. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
14. RECHARGER V8 HEAVY DUTY CHAMBERS ARE DESIGNED TO WITHSTAND AASHTO H20 LOAD RATING (32,000 LBS. /AXLE) WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. RECHARGER V8 HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
15. POLYETHYLENE CHAMBERS MUST HAVE THE ABILITY TO ACCEPT AND CARRY PIPE THROUGH ITS INTEGRALLY FORMED VERTICAL SUPPORT WALL WITHOUT THE USE OF SEPARATE PIPE HANGERS.
16. UNITS WILL 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.
17. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
18. REPEATING SUPPORT PANELS AND END WALLS OF THE ELONGATED CHAMBER SHALL BE SPACED EVERY 7.5 FEET.

CULTEC HVLV 180 HEADER SYSTEM SPECIFICATIONS

GENERAL

CULTEC HVLV (HIGH VOLUME, LOW VELOCITY) HEADER SYSTEM POLYETHYLENE CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED TO MANIFOLD CULTEC RECHARGER MODELS 180, 280 AND 330 CHAMBER SYSTEMS FOR RETENTION, RECHARGING, DETENTION, AND CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.

MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV 180BT BLIND TEE SHALL BE 20.5 INCHES TALL, 36 INCHES WIDE AND 5.63 FEET LONG. MAXIMUM INLET OPENING IS 15 INCHES.
4. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV 180SC STRAIGHT CONNECTOR SHALL BE 20.5 INCHES TALL, 36 INCHES WIDE AND 5.02 FEET LONG. MAXIMUM INLET OPENING IS 15 INCHES.
5. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV F-24 FEED CONNECTOR SHALL BE 12 INCHES TALL, 16 INCHES WIDE. THE HVLV F24X2 IS 22.15 INCHES LONG, HVLV F24X4 IS 44.25 INCHES LONG, AND HVLV F24X8 IS 8 FEET LONG.
6. THE NOMINAL STORAGE VOLUME OF THE HVLV 180BT BLIND TEE AND HVLV 180SC STRAIGHT CONNECTOR WILL BE 3.445 FT³/FT.
7. THE NOMINAL STORAGE VOLUME OF THE HVLV F24 FEED CONNECTOR WILL BE 0.819 CF/LF.
8. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
9. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM AND INTEGRALLY FORMED END WALLS.
10. CULTEC HVLV HEADER SYSTEM CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
11. THE CHAMBERS MUST NOT UTILIZE SEPARATE END PLATES OR SEPARATE END WALLS. THE CHAMBER'S END WALL, IF PRESENT, WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT.
12. THE HVLV 180BT BLIND TEE CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL ALSO HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV F-24 FEED CONNECTORS.
13. THE HVLV 180SC STRAIGHT 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 WILL ALSO HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV F-24 FEED CONNECTORS.
14. THE HVLV F-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 WILL FIT INTO THE SIDE PORTALS OF THE HVLV 180BT BLIND TEE OR HVLV 180SC STRAIGHT CONNECTOR.
15. ALL CHAMBERS WILL BE ARCHED IN SHAPE.
16. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
17. HEAVY DUTY UNITS ARE DESIGNED ACCORDING TO AASHTO H20 LOAD RATING (32,000 LBS. /AXLE) WHEN BURIED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
18. HEAVY DUTY H20 UNITS ARE DESIGNATED BY A COLORED STRIPE ALONG THE LENGTH OF THE CHAMBER.
19. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.

CULTEC HVLV V8 HEADER SYSTEM SPECIFICATIONS

GENERAL

CULTEC HVLV (HIGH VOLUME, LOW VELOCITY) V8 HEADER SYSTEM POLYETHYLENE CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED TO MANIFOLD CULTEC RECHARGER V8 CHAMBER SYSTEMS FOR RETENTION, RECHARGING, DETENTION, AND CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF. HVLV V8S AND HVLV V8E UNITS ARE REQUIRED TO BE USED AS THE STARTER AND ENDING SECTIONS FOR RECHARGER V8 SYSTEMS.

CHAMBER PROPERTIES

1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV V8 SHALL BE 34 INCHES TALL, 54 INCHES WIDE AND 61 INCHES LONG. MAXIMUM INLET OPENING IS 24 INCHES.
4. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV F110 FEED CONNECTOR SHALL BE 18 INCHES TALL, 27.5 INCHES WIDE. THE HVLV F110X2 IS 18 ½ INCHES LONG, HVLV F110X4 IS 39 INCHES LONG.
5. THE NOMINAL STORAGE VOLUME OF THE HVLV V8 WILL BE 8.933 FT³/FT.
6. THE NOMINAL STORAGE VOLUME OF THE HVLV F-110 FEED CONNECTOR WILL BE 1.968 FT³/FT.
7. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
8. CHAMBERS ARE MANUFACTURED WITH AN OPEN BOTTOM AND INTEGRALLY FORMED END WALLS.
9. CULTEC HVLV HEADER SYSTEM CHAMBERS WILL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
10. THE CHAMBERS MUST NOT UTILIZE SEPARATE END PLATES OR SEPARATE END WALLS. THE CHAMBER'S END WALL, IF PRESENT, WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT.
11. THE HVLV V8R MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL ALSO HAVE TWO SIDE PORTALS AND TWO END PORTALS TO ACCEPT CULTEC HVLV F110 FEED CONNECTORS.
12. THE HVLV V8 S STARTER MUST BE FORMED AS A WHOLE CHAMBER HAVING AT LEAST ONE FULLY FORMED INTEGRAL END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL ALSO HAVE TWO SIDE PORTALS AND ONE END PORTAL TO ACCEPT CULTEC HVLV F-110 FEED CONNECTORS.
13. THE HVLV V8I INTERMEDIATE MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE OPEN END WALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL ALSO HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV F-110 FEED CONNECTORS.
14. THE HVLV V8 E END MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL ALSO HAVE TWO SIDE PORTALS AND ONE END PORTAL TO ACCEPT CULTEC HVLV F-110 FEED CONNECTORS.
15. THE HVLV F110 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 WILL FIT INTO THE SIDE PORTALS OF THE HVLV V8.
16. ALL CHAMBERS WILL BE ARCHED IN SHAPE.
17. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
18. HEAVY DUTY UNITS ARE DESIGNED ACCORDING TO AASHTO H20 LOAD RATING (32,000 LBS. /AXLE) WHEN BURIED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
19. HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE ALONG THE LENGTH OF THE CHAMBER.
20. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.

CULTEC NO. 20L POLYETHYLENE LINER SPECIFICATIONS

GENERAL

CULTEC NO. 20L POLYETHYLENE LINER IS DESIGNED AS AN IMPERVIOUS UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE HVLV HEADER SYSTEM.

LINER PROPERTIES

1. THE CULTEC NO. 20L POLYETHYLENE LINER WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL DIMENSIONS OF THE CULTEC NO. 20L POLYETHYLENE LINER SHALL BE 4 FEET WIDE, 20 MIL THICK AND 200 FEET LONG.
4. THE LINER WILL HAVE A DENSITY VALUE OF 0.949 G/CC PER ASTM D-1505 TESTING METHOD.
5. THE LINER WILL HAVE A MELT FLOW RATE VALUE OF 10.00 G/10 MIN. PER ASTM D-1238 (F) TESTING METHOD.
6. THE LINER WILL HAVE A TENSILE MODULUS VALUE OF 120,000 PSI PER ASTM D-638 TESTING METHOD.
7. THE LINER WILL HAVE A TENSILE STRENGTH AT YIELD VALUE OF 3,600 PSI PER ASTM D-638 TESTING METHOD.
8. THE LINER WILL HAVE A FLEXURAL MODULUS VALUE OF 165,000 PSI PER ASTM D-790 TESTING METHOD.
9. THE LINER WILL HAVE A TENSILE IMPACT VALUE OF 170 FT-LBS/IN² PER ASTM D-1822 TESTING METHOD.
10. THE LINER WILL HAVE AN IMPACT BRITTLENESS TEMPERATURE OF <-105 °F PER ASTM D-746 TESTING METHOD.
11. THE LINER WILL HAVE A COEFFICIENT OF THERMAL EXPANSION VALUE OF 157 °F PER ASTM D-648 (66 PSI, UNANNEALED) TESTING METHOD.
12. THE LINER WILL HAVE A COEFFICIENT OF THERMAL EXPANSION VALUE OF 7.0×10^{-5} IN/IN/°F PER ASTM D-696 TESTING METHOD.
13. THE LINER WILL HAVE A HARDNESS VALUE OF 68 SHORE "D" PER ASTM D-2240 TESTING METHOD.
14. THE LINER WILL HAVE AN ENVIRONMENTAL STRESS CRACK RESISTANCE VALUE OF >800 HOURS PER ASTM D-1693 TESTING METHOD.

CULTEC STORMFILTER FILTRATION CHAMBER SPECIFICATIONS

GENERAL

CULTEC STORMFILTER FILTRATION CHAMBERS ARE DESIGNED AS AN UNDERGROUND WATER QUALITY UNIT. THE UNIT MAY BE USED TO PURIFY STORMWATER RUN-OFF VIA PASS-THRU FILTRATION BAFFLES.

CHAMBER PROPERTIES

1. THE FILTRATION CHAMBER WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
2. CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
3. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC STORMFILTER SHALL BE 38 INCHES TALL, 52 INCHES WIDE AND 7.5 FEET LONG. MAXIMUM INLET OPENING IS 24 INCHES.
4. THE FILTRATION CHAMBER WILL HAVE A 24 INCH BY 16 INCH ACCESS OPENING LOCATED AT THE TOP OF THE UNIT.
5. THE FILTRATION CHAMBER WILL FULLY FILTER WATER FOR UP TO AN 8 INCH PIPE AND HAS OVERFLOW CAPABILITY OF UP TO A 24 INCH INLET PIPE.
6. THE FILTRATION CHAMBER WILL HAVE 2.3 CFS CONTINUOUS FILTRATION CAPABILITY AND 6.5 CFS MAXIMUM SURGE CAPACITY.
7. THE FILTRATION CHAMBER WILL HAVE A TREATMENT CAPABILITY OF 2940 GPM AND WILL HAVE A MINIMUM SOLID REMOVAL RATING OF 70 - 85%.
8. THE CHAMBERS WILL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) IN AN ISO-9001:2000 CERTIFIED FACILITY.
9. CHAMBERS ARE MANUFACTURED WITH A SOLID BOTTOM AND INTEGRALLY FORMED END WALLS.
10. CULTEC STORMFILTER WILL CONTAIN A MINIMUM OF THREE GEOTEXTILE LADEN PASS-THRU FILTER BAFFLES.
11. THE FILTRATION CHAMBER MUST NOT UTILIZE SEPARATE END PLATES OR SEPARATE END WALLS. THE UNITS END WALL WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT.
12. ALL CHAMBERS WILL BE ARCHED IN SHAPE.
13. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
14. HEAVY DUTY UNITS ARE DESIGNED ACCORDING TO AASHTO H20 LOAD RATING (32,000 LBS. /AXLE) WHEN BURIED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
15. HEAVY DUTY H20 UNITS ARE DESIGNATED BY A COLORED STRIPE ALONG THE LENGTH OF THE CHAMBER.
16. SEPARATE INLET OR END PLATES CANNOT BE USED WITH THIS UNIT.