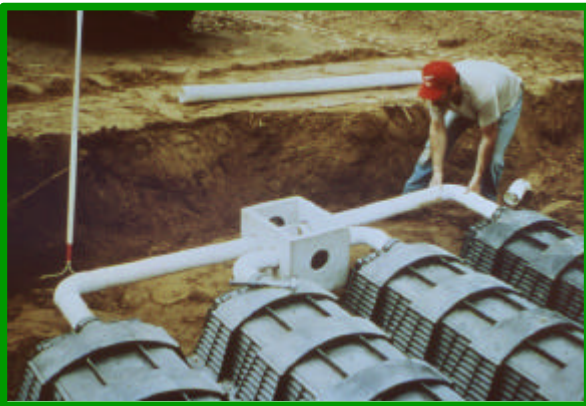


BioDiffuser

SEPTIC DISPOSAL AREA INSTALLATION INSTRUCTIONS



MANUFACTURED BY:

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SEPTIC DISPOSAL AREA INSTALLATION INSTRUCTIONS

TRENCH SYSTEMS

A

- Excavate trenches to a 3' width & proper depth as required by state and local codes.
- Excavate and level the trenches. Rake the surface to remove any smearing during excavation.

B

- Assemble BioDiffuser leaching chambers and universal end plates together in trenches. (NO SCREWS ARE REQUIRED)
- The universal end plate is constructed with tabs so that the earth fill on one side will hold it securely in place against the BioDiffuser.
- Punch out pipe hole openings in the end plates as needed and connect inlet pipes

C

- Uniformly fill the sidewall area to top of chambers with acceptable native soil. Heavy clay, silt, or debris are unsuitable backfill. **Only the 14" Standard Model is approved for H-20 loads.** For H-20 loads, coarse sand or fine gravel compacted to 90% density in 6" lifts is required from the trench bottom to 18" over the top of the chamber.
- "Walk In" acceptable fill to firm soil along sides of BioDiffuser. This is very important to achieve full weight rating.
- Cover BioDiffuser leaching chambers to a minimum of 12" for H-10 applications and 18" minimum cover for H-20 applications. Only the 14" Standard Model is approved for H-20 loads. Avoid large rocks or debris in cover material.

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SEPTIC DISPOSAL AREA INSTALLATION INSTRUCTIONS

CLUSTER (BED) SYSTEMS

A

- Excavate and level installation areas.
- Rake the surface to remove any smearing caused during excavation.

B

- Install BioDiffuser leaching chambers in adjacent rows to cover desired area.
- Install universal end cap and secure in place with back fill.
- Install 4" pipe to each row of BioDiffuser using knockouts provided in the universal end caps.
- Ends of rows may be connected with piping to improve distribution.

C

- Uniformly fill perimeter and interior sidewall areas to top of chambers with acceptable native material and walk into place. **Only the 14" Standard Model is approved for H-20 loads.** For H-20 loads, coarse sand or fine gravel compacted to 90% density in 6" lifts is required from the trench bottom to 18" over the top of the chamber.
- Using a light tracked machine, cover BioDiffuser leaching chambers to a minimum of 12" for H-10 applications and 18" minimum cover for H-20 applications. Avoid having the light tracked machine directly on top of the chamber units. Avoid large rocks or debris in cover material.
- Do not permit wheeled machines on cluster areas until final backfill is placed and compacted.

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SEPTIC DISPOSAL AREA INSTALLATION INSTRUCTIONS

FILLED TRENCH SYSTEM

- Bring chamber area to approximate finished grade by filling and compacting to stabilized area and eliminate future settling as much as possible.
- Proceed by following steps A, B, and C as described for trench systems.

MOUND SYSTEMS

- Bring chamber bottom area to grade, level and flat.
- Proceed by following steps A, B, and C as described for cluster (bed) systems.

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