

Installation Instructions for EZflow Systems in New Mexico



The New Mexico Environment Department, Liquid Waste Program has approved (pending development of sizing regime for all proprietary drainfield products by the WTAC) **EZflow** 1204V-GEO with design infiltrative area of 7.0 SF/FT, **EZflow** 1203V-GEO with design infiltrative area of 5.4 SF/FT, and **EZflow** 1203H-GEO with design infiltrative area of 4.3 SF/FT. All other relevant design parameters contained in 20.7.3 NMAC must be followed, as well as adherence to the manufacturer's recommendations for installation.

Materials and Equipment Needed

- **EZflow** Bundles
- **EZflow** Internal Pipe Couplers
- End Caps if needed
- Backhoe
- Laser, Transit, or Level
- Shovel & Rake
- Untreated Building Paper

Installation Instructions

1. The **EZflow** 1204V-GEO consists of four 12 inch diameter bundles stacked in a vertical configuration. The top bundle shall consist of a 4 inch corrugated pipe surrounded with aggregate and enclosed in netting. The product is manufactured in five and ten foot lengths.

The **EZflow** 1203V-GEO consists of three 12 inch diameter bundles stacked in a vertical configuration. The top bundle shall consist of a 4 inch corrugated pipe surrounded with aggregate and enclosed in netting. The product is manufactured in five and ten foot lengths.

The **EZflow** 1203H-GEO consists of three 12 inch diameter bundles placed in a horizontal configuration. The middle bundle shall consist of a 4 inch corrugated pipe surrounded with aggregate and enclosed in netting. The product is manufactured in five and ten foot lengths.

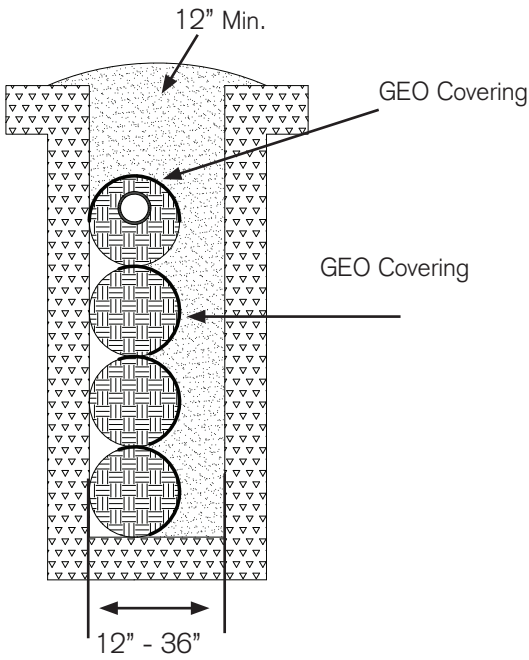
2. The required length of drainfield shall be determined by dividing the required square footage by the state approved product rating.
3. When installed in a trench, the trench should be dug to a minimum width of 12 inches up to a maximum of 36 inches. If trench width exceeds 12 inches, stakes shall be used to maintain vertical configuration.
4. The plastic shipping wrap is removed before the ten foot long cylinders are placed in the trench(es).

5. The bottom of each leaching trench shall have a minimum of a level grade to a maximum of 3 in./100 ft. per NMAC 20.7.3.701H.
6. Before placing aggregate material or drain lines in a prepared excavation, all smeared or compacted surfaces shall be removed from trenches by raking to a depth of one inch and the loose material removed per NMAC 20.7.3.701B.
7. The top of each 1203V-GEO and 1204V-GEO cylinder contains a filter fabric pre-manufactured in between the netting and aggregate. The fabric is inserted to prevent soil intrusion. The geotextile may be aligned facing upward or to the side facing the backfill. GEO shall not be placed facing downward.
8. The top of each 1203H-GEO cylinder contains a filter fabric pre-manufactured in between the netting and aggregate. The fabric is inserted to prevent soil intrusion. The installer shall make sure that the fabric is on top and is in contact with the fabric contained in the adjacent cylinder before backfilling.
9. The cylinders containing 4-inch perforated pipe are joined end to end with an internal coupling available from **EZflow**. The same internal coupler is used to start the trench, as it will slide inside the 4-inch PVC pipe from the dbox or header.
10. Trench spacing shall be per NMAC 20.7.7.701I.
11. The trench top shall be shaped to ensure surface runoff. Minimum cover over the pipe and aggregate assembly shall be 12 inches.

Repeat steps 1 thru 11 for each required trench.

Approved EZ_{flow} Products

EZ_{flow} 1204V-GEO

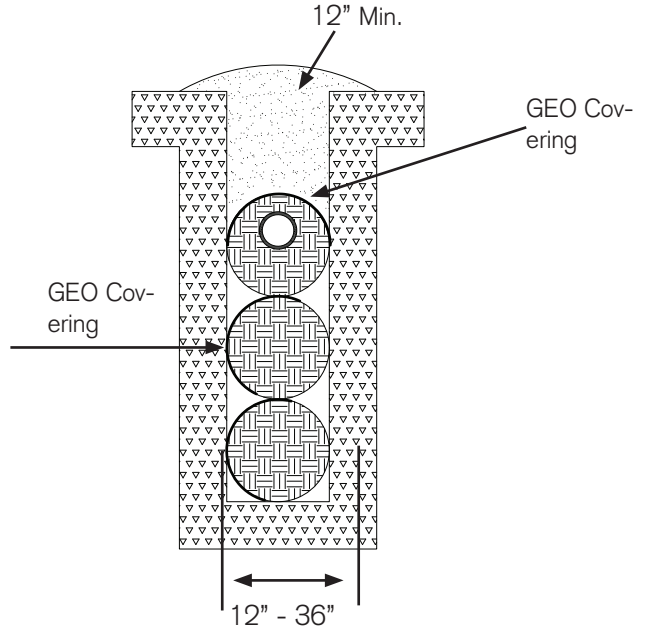


EXAMPLE: - 900 sq ft. required
 900 sf \pm 7.0 sf per ft = 129 lf required

Properties & Specifications

Approved Sizing	7.0 sf/ft
Invert Height	42"
Trench Width	12--36"
Minimum Trench Depth	60"
Product Height	48"

EZ_{flow} 1203V-GEO

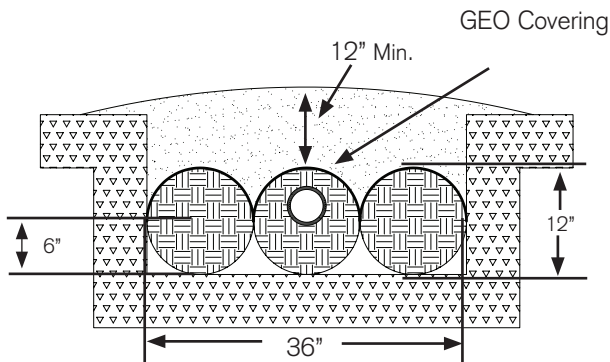


EXAMPLE: - 900 sq ft. required
 900 sf \pm 5.4 sf per ft = 167 lf required

Properties & Specifications

Approved Sizing	5.4 sf/ft
Invert Height	30"
Trench Width	12-36"
Minimum Trench Depth	48"
Product Height	36"

EZ_{flow} 1203H-GEO



EXAMPLE: - 900 sq ft. required
 900 sf \pm 4.3 sf per ft = 209 lf required

Properties & Specifications

Approved Sizing	4.3 sf/ft
Invert Height	6"
Trench Width	36"
Minimum Trench Depth	24"
Product Height	12"

Additional Approved EZ_{flow} Non-Geo Configurations

Based on the additional product evaluation information and previous WTAC recommendation, the following revised sizing credits shall also apply:

Configuration	Absorption Area (Square feet per linear foot)
(6) 10-inch, 2 vertical stacks (1006V)	5.2
(2) 12-inch, vertical (1202V)	3.4
(6) 10-inch, 3 vertical stacks (1006H)	4.7
(6) 12-inch, 3 vertical stacks (1206H)	6.3
(3) 10-inch, triangular configurations (1003T)	3.5
(3) 12-inch, triangular configurations (1203T)	3.9
(3) 12-inch, 3 vertical stacks (1203V)	5.4
(4) 12-inch, 4 vertical stacks (1204V)	7.0
(3) 12-inch, 3 horizontal configurations (1203H)	4.3

EZ_{flow} Inspection

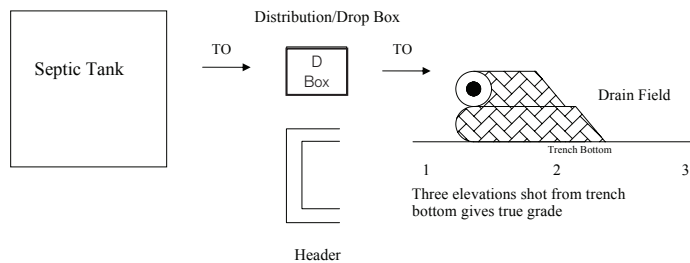
After the system has been completely covered, only drive across the trenches when necessary. Never drive along the trench lines. To avoid additional soil compaction, prevent any heavy equipment from driving across or along the trench lines.

Sod or seed the drainfield area to control erosion, as may be required by Permit or local policy.

As required by state or local regulations, be sure to obtain proper installation inspection from the health department prior to covering the system per NMAC 20.7.3.203B.

Septic tank, header pipe or D box, trench bottom, grade, depth, and cover shall be in accordance with state rules and regulations unless otherwise specified.

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