Installation Instructions for EZ*flow* Systems in Illinois

Illinois Department of Health granted approval per the Private Sewage Disposal Licensing Act and Code. for use of Infiltrator Water Technologies. **EZ***flow* brand 1201-P/1201-P-GEO, 1202H/1202H-GEO, and 1203H/1203H-GEO drainfield products.

The **EZ***flow* 1201-P/1201-P-GEO, 1202H/1202H-GEO, and 1203H/1203H-GEO are approved as a new technology system at the specified sizing:

- 1201-P/1201-P-GEO 3 SF/FT
- 1202H/1202H-GEO 4 SF/FT
- 1203H/1203H-GEO 5 SF/FT

Any site where **EZ***flow* products are installed must meet the same site, soil, soil evaluation, repair area, construction, and all other requirements imposed for a standard gravel drainfield.

Materials and Equipment needed

- EZ*flow* Bundles
- EZ*flow* Internal Pipe Couplers
- Pipe for Header and Inlet
- Backhoe
- Rake, Shovel
- Laser, Transit, or Level

Installation Instructions

The instructions for installation of **EZ***flow* products are given below. This product must be installed in accordance with Private Sewage Disposal Licensing Act and Code and the approval criteria established by the Illinois Department of Public Health.

In cases where linear footage required is not in multiples of 10, installer may (a) reduce the product to needed length and refasten netting to the pipe or, (b) use an additional 5 or 10 feet of product to exceed the required trench length.

1. After the health department has approved the configuration and layout for the **EZ***flow* systems, stake or mark with paint the location of trenches and lines. Be careful to set correct tank, invert pipe, header line or distribution box and trench bottom elevations before installation of pipe bundles.

2. The disposal field shall utilize the level or serial method of distribution depending on site characteristics.

3. Disposal field trenches shall follow ground surface contours so that variations in trench depth will be minimized.

4. A minimum of 5 feet of undisturbed earth, between the septic tank and the nearest trench is required. Separation distances between trenches shall be as follows:

- 1201P/1201P-GEO 6' On Center
- 1202H/1202H-GEO 6' On Center
- 1203H/1203H-GEO 9' On Center

5. Excavate trenches to depth shown on approved permit and to width, based on **EZ***flow* aggregate system selected.

Note: If precipitation falls onto the excavation and evidence of soil washing in the excavation of the subsurface seepage system exists, that portion of the seepage system damaged shall be reconstructed to conform to this Section.

6. The top of bundles in the subsurface seepage field shall be at least one inch below the invert of the outlet pipe from septic tank or distribution box in gravity flow systems.

7. Remove plastic shipping wrap prior to placing bundles in the trench(es). Remove any plastic wrap in the trench before system is covered.

8. Place bundle(s) in the configuration approved by system design permit specified for the particular site. The bundles containing pipe are joined end to end with an internal pipe coupler. Any additional aggregate bundles that may be required, should be butted against the other aggregate-only bundles and do not require any type of connection device.

9. The top of each GEO cylinder contains a filter fabric premanufactured 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.

10. If not using a GEO product, **EZ***flow* systems require covering over the top of the system with a biodegradable material approved by the manufacturer.

11. The bottom of the subsurface seepage field, each trench and its distribution line shall be level. Level for this part shall mean plus or minus 1/2 inch in any direction over the entire area of the subsurface seepage system.

12. **EZ***flow* EPS bundles are flexible and can fit in curved trenches as may be necessary to avoid trees, boulders, or other obstacles.

13. **EZ***flow* systems are not required to be looped. When **EZ***flow* systems are not looped, the end of the distribution pipe shall be capped.

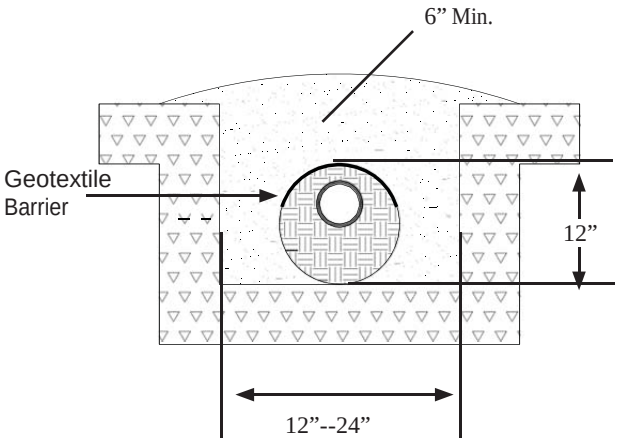
14. There shall be a minimum of 6" and a maximum of 24" of earth backfill over the **EZ***flow* EPS aggregate bundles.

15. Soil material excavated from trenches should be used in backfilling and soil cover must be crowned or sloped over the absorption field so as to promote surface runoff, until initial settling has taken place. Soil within 6" of EPS bundles shall be loosely placed and not compacted.

Repeat steps 1 through 15 for each trench.

Approved EZ*flow* Products

EZ*flow* 1201P

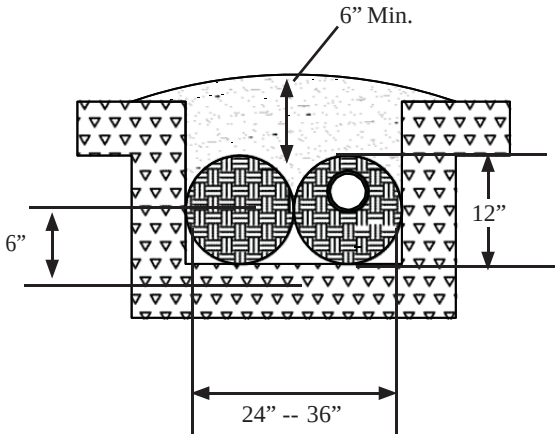


EXAMPLE: - 300 sq ft. required
300 sf ÷ 3 sf/ft = 100 lf required

Properties and Specifications

Overall System Height	12”
Trench Sizing	3 sf/ft
Trench Width	12”--24”
Trench Depth	18”--36”

EZ*flow* 1202H

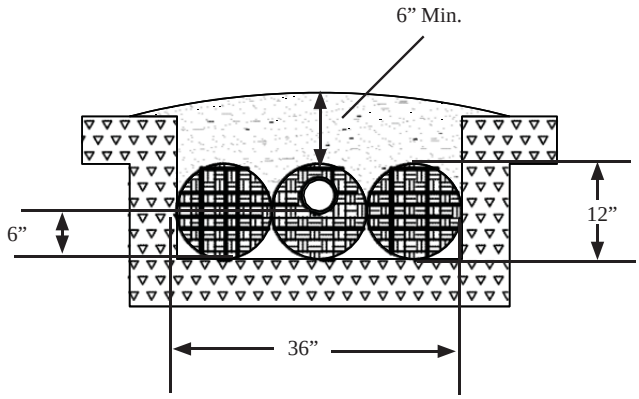


EXAMPLE: - 300 sq ft. required
300 sf ÷ 4 st/ft = 75 lf required

Properties and Specifications

Overall System Height	12”
Trench Sizing	4 sf/ft
Trench Width	24”-36”
Trench Depth	18”--36”

EZ*flow* 1203H



EXAMPLE: - 300 sq ft. required
300 sf ÷ 5 sf/ft = 60 lf required

Properties and Specifications

Overall System Height	12”
Trench Sizing	5 sf/ft
Trench Width	36”
Trench Depth	18”--36”

Installation Instructions (continued):

The area of the disposal field shall not be used for vehicular traffic, parking, or underground utilities, to include water lines.

Dozers, trucks, and other heavy vehicles shall not be allowed to run over the septic tank, field lines or other parts of the system to avoid additional compaction of soil.

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

E Z *flow* **Inspection**

As required by state or local regulations, be sure to obtain proper installation inspection and authorization from the health department prior to covering the system.

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.

Maintenance

It is the property owner's responsibility to maintain the system in a safe and sanitary manner per Private Sewage Disposal Licensing Act and
Code, Chapter 1, Subchapter R, Part 905.

INFILTRATOR®
water technologies

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