

Installation Instructions for EZflow Systems in Kentucky



Cabinet for Health and Family Services under 902 KAR 10:081 Construction Standards for Components and 902 KAR 10:085 On-Site Sewage Disposal Systems Regulations (rev. 8/2002), granted new technology approval per 902 KAR 10:085 for use of Infiltrator Systems Inc. **EZflow** brand 1203H-GEO. **EZflow** 1203H-GEO can be installed on an experimental basis.

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

An area of suitable soil must be available to install and duplicate a conventional subsurface sewage disposal system.

Infiltrator Systems Inc. shall certify installers during or prior to their first installation as having passed **EZflow** Certification Training.

Materials and Equipment needed

- **EZflow** Bundles
- **EZflow** Internal Pipe Couplers

Installation Instructions

The instructions for installation of **EZflow** products are given below. Product must be installed in accordance with the current **EZflow** Installation Manual for Kentucky.

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 additional feet of product to exceed the required trench length.

1. After the local health department has determined sizing and configuration, the **EZflow** certified installer must determine the layout for the **EZflow** system, 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. Trenches shall not be excavated when soil is wet enough to smear or compact easily. If smearing or glazing of trench sidewalls and bottom has occurred in clay soils, it is recommended these soil surfaces be raked or scarified.
3. The disposal field is to be a level or hillside distribution type of modification of either, depending on site characteristics.
4. Disposal field trenches shall follow ground surface contours so that variations in trench depth will be minimized.
5. Lateral trenches shall have a minimum separation distance of eight (8) feet on center and lateral beds shall have minimum separation distance of eight (8) feet sidewall to sidewall.

6. When installed in a trench, trench should be dug to a width of 36" for 1203H, with a minimum settled Group III or better soil cover of 6 inches. This not only saves labor in excavation, but also provides better load-bearing capacity after backfilling is complete.
7. Remove plastic **EZflow** shipping wrap prior to placing bundles in the trench(es). Remove any plastic wrap in the trench before system is covered.
8. Bundles are to be placed in trench with the offset pipe closest to top of the bundle. This can be accomplished by a quick glance at one of the ends of the bundle, noting the location of the pipe and placing it upward in the trench.
9. Header or lead lines from distribution box or device will be connected to the center-most pipe bundle in each trench or inserted into the pipe.
10. The bottom of the trenches and distribution lines shall have a grade from level to no greater than four (4) inches.
11. **EZflow** EPS bundles are flexible and can fit in curved trenches as may be necessary to avoid trees, boulders, or other obstacles.
12. Soil material of Group III or better characteristics excavated from trenches should be used in backfilling and should be left mounded over trenches until initial settling has taken place. A minimum of six (6) inches of settled suitable Group III or better fill soil shall be placed over the entire lateral field to a point at least two (2) feet beyond the sidewall of any trench or bed including tapering. Soil within 12" of EPS bundles shall be loosely placed and not compacted.

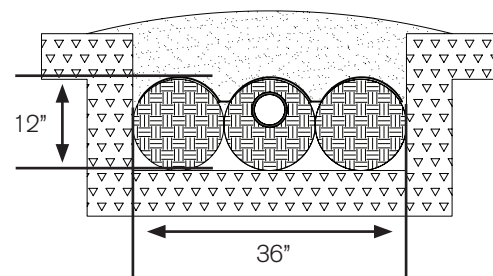
Repeat steps 1 thru 12 for each required trench.

EXAMPLE: 3 Bedroom in Silty Clay Loam Soil with Provisionally Suitable Structure

$$360 \text{ GPD} \times 1.35 = 486' \text{ of } 2' \text{ wide gravel trench}$$
$$486 \times .55 = 267.3 \text{ of } 1203\text{H-GEO (round up to } 270')$$

Approved **EZflow** Products

1203H-GEO





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