

# Installation Instructions for EZflow Systems in Missouri



The Missouri Department of Health and Senior Services (MDHSS) has approved the experimental use of the **EZflow** 1202H-GEO drainfield system in Missouri. Installation must comply with the minimum installation requirements for gravelless systems found in 19 CSR 20-3.060(5)(A)15, and with all manufacturers specifications that do not conflict with the standards. Specifically, the site and soils must be classified as suitable or provisionally suitable for a conventional system or have an acceptable percolation rate and allow for the required vertical separation to limiting soil horizons.

The 1202H-GEO configuration should be installed in 24 to 36 inch wide trenches with recommended shallow trench bottom depths of 18 to 24 inches. The most suitable backfill material available should be used. Clay backfill is not recommended. The backfill should be mounded over the trench to allow for settling and ensure a minimum of six inches of cover as specified by the manufacturer.

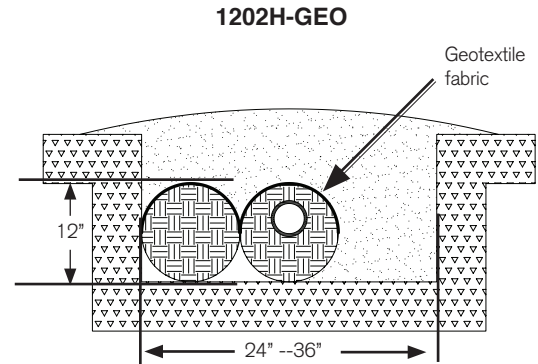
## Materials and Equipment needed

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

## Installation Instructions

1. The **EZflow** assemblies are 2 bundles each 12 inches in diameter by 10 feet long. One of the polyethylene net bundles contains expanded polystyrene aggregate only and one contains a four-inch pipe surrounded by EPS aggregate. In cases where linear footage required is not in multiples of 10, the installer may (a) reduce the product to the needed length and refasten the netting to the pipe or, (b) use an additional 10 feet of product to exceed the required trench length.
2. The 1202H-GEO is approved at 3.0 sf/ft. The equivalent length compares to a 24-inch gravel trench which is 66 feet of 1202-H-GEO per 100 feet of 24-inch gravel.
3. For the **EZflow** configurations that contain a pre-inserted geotextile between the netting and aggregate, the installer shall make sure that the fabric is positioned on top before backfilling. The span of fabric at each sidewall shall not exceed 180 degree reach (i.e. 9 o'clock to 3 o'clock) The fabric is inserted to prevent soil intrusion.
4. The plastic stretch wrap should be removed before the ten foot long cylinders are placed in the trench(es).
5. 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.
6. The trench top shall be shaped to ensure surface runoff. Minimum cover over the pipe and aggregate assembly shall be 6 inches. Mounding of backfill may be necessary to ensure the required 6 inches of cover. Repeat steps for each trench.

## Approved **EZflow** Products





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