

Installation Instructions for EZflow Systems in Virginia



The Virginia Department of Health authorized the use of innovative **EZflow** by Infiltrator drainfields as Substituted Systems per VDH GMP #116, VDH GMP #127, and VDH GMP #135, for conventional drain media in both gravity and pressure-dosed effluent disposal trench systems. **EZflow** drainfields are also adaptable to drop box distribution in accordance with requirements for conventional trenches as described in VDH rules in conjunction with manufacturers recommendations for installation.

Prior to installation, Infiltrator Systems Inc. must certify installers in writing as having passed **EZflow** Certification Training.

Materials and Equipment needed

- **EZflow** Bundles
- **EZflow** Barrier Paper
- **EZflow** Internal Pipe Couplers
- Pipe for Header and Inlet
- Pipe for Inspection Ports
- End Caps if needed
- Backhoe
- Laser, Transit, or Level
- Shovel & Rake

Installation Instructions

Installation under the noted GMP shall be for detached single-family dwellings or duplex dwellings, not to exceed six (6) bedrooms total.

The **EZflow** bundles are 12 and 14 inches in diameter by 5 or 10 feet long. The polyethylene net bundles contain perforated pipe surrounded by EPS aggregate.

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

All sites shall meet the applicable site, soil, and construction criteria in accordance with the Virginia Department of Health's 12 VAC 5-610 Sewage Handling and Disposal Regulations, July 1, 2000.

1. Excavate and level trenches. The bottom of each absorption trench shall have a uniform slope not less than two inches and no more than four inches per 100'.
2. **EZflow** bundles are flexible and can fit in curved trenches as may be necessary to avoid trees, boulders or other obstacles.
3. If smearing or glazing of trench sidewalls and bottom has occurred, it is recommended that these soil surfaces be raked or scarified.

4. The plastic shipping wrap shall be removed before the bundles are placed in the trench(es). Remove all plastic shipping wrap in trench(es).
5. Place first bundle(s) in the trench in the **EZflow** configuration or model selected. The top of each 1202H-GEO or 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.
6. The top or center-most bundles containing pipe are joined end to end with approved internal pipe couplings.
7. Connect and place additional EPS bundles with pipe in trenches until the required linear footage has been obtained.
8. Effluent lines from the distribution box shall be connected to the top or center-most pipe bundle in each trench with approved internal pipe connectors.
9. Obtain any required county health department inspections prior to covering trenches.
10. If not using a GEO product, all EPS bundles shall be covered with untreated building paper, or other suitable material approved under the Regulations.
11. Backfill should be of native soil. Soil within 6" of the EPS bundles shall be loosely placed and not compacted.
12. The trench top shall be compacted to the maximum degree possible with a backhoe bucket. The trench top shall be shaped or mounded to ensure surface water runoff. Minimum cover over the EPS aggregate bundles shall be 12 inches. However, if the site is limited to a trench depth less than 24 inches due to a seasonal water table or other limiting factors found at relatively shallow depths, a minimum cover of 6 inches may be used.
13. Sod or seed drainfield area, as may be required, to control erosion. Roof and surface drainage should be diverted away from the disposal trench area.

Repeat steps 1 thru 13 for each required trench.

Virginia Sizing Chart for EZ_{flow} 1203H and 1203T Products for GMP 116

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	50' =	300	2	50' =	500	2	55' =	330	2	50' =	500
3	50' =	450	2	50' =	500	3	55' =	495	2	50' =	500
4	50' =	600	3	45' =	675	4	55' =	660	3	50' =	750
5	50' =	750	3	50' =	750	5	55' =	825	3	55' =	825
6	50' =	900	4	45' =	900	6	55' =	990	4	50' =	1000
7	50' =	1050	5	45' =	1125	7	55' =	1155	5	50' =	1250
8	50' =	1200	5	50' =	1250				4	60' =	1200
9	50' =	1350	6	45' =	1350	8	55' =	1320	5	55' =	1375
10	50' =	1500	6	50' =	1500	9	55' =	1485	6	50' =	1500
11	50' =	1650	7	50' =	1750	10	55' =	1650	6	55' =	1650
			6	55' =	1650	11	55' =	1815	7	55' =	1925
12	50' =	1800	8	45' =	1800	12	55' =	1980	8	50' =	2000

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	60' =	360	2	55" =	550	2	65' =	390	2	60' =	600
3	60' =	540	2	55" =	550	3	65' =	585	2	60' =	600
4	60' =	720	3	55" =	825	4	65' =	780	3	60' =	900
5	60' =	900	3	60" =	900	5	65' =	975	3	65' =	975
6	60' =	1080	4	55" =	1100	6	65' =	1170	4	60' =	1200
7	60' =	1260	5	55" =	1375	7	65' =	1365	5	60' =	1500
			4	65" =	1300				4	70' =	1400
8	60' =	1440	5	60" =	1500	8	65' =	1560	5	65' =	1625
9	60' =	1620	6	55" =	1650	9	65' =	1755	6	60' =	1800
10	60' =	1800	6	60" =	1800	10	65' =	1950	6	65' =	1950
11	60' =	1980	7	60" =	2100	11	65' =	2145	7	65' =	2275
12	60' =	2160	8	55" =	2200	12	65' =	2340	8	60' =	2400

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	70' =	420	2	65' =	650	2	75' =	450	2	70' =	700
3	70' =	630	2	65' =	650	3	75' =	675	2	70' =	700
4	70' =	840	3	65' =	975	4	75' =	900	3	70' =	1050
5	70' =	1050	3	70' =	1050	5	75' =	1125	3	75' =	1125
6	70' =	1260	4	65' =	1300	6	75' =	1350	4	70' =	1400
7	70' =	1470	5	65' =	1625	7	75' =	1575	5	70' =	1750
			4	75' =	1500				4	80' =	1600
8	70' =	1680	5	70' =	1750	8	75' =	1800	5	75' =	1875
9	70' =	1890	6	65' =	1950	9	75' =	2025	6	70' =	2100
10	70' =	2100	6	70' =	2100	10	75' =	2250	6	75' =	2250
11	70" =	2310	7	70' =	2450	11	75' =	2475	7	75' =	2625
12	70' =	2520	8	65' =	2600	12	75' =	2700	8	75' =	3000

*Qty = number of trenches

Virginia Sizing Chart for EZ_{flow} 1203H and 1203T Products for GMP 116

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	80' =	480	2	75' =	750	2	85' =	510	2	80' =	800
3	80' =	720	2	75' =	750	3	85' =	765	2	80' =	800
4	80' =	960	3	75' =	1125	4	85' =	1020	3	80' =	1200
5	80' =	1200	3	80' =	1200	5	85' =	1275	3	85' =	1275
6	80' =	1440	4	75' =	1500	6	85' =	1530	4	80' =	1600
7	80' =	1680	5	75' =	1875	7	85' =	1785	5	80' =	2000
	80' =		4	85' =	1700		85' =		4	90' =	1800
8	80' =	1920	5	80' =	2000	8	85' =	2040	5	85' =	2125
9	80' =	2160	6	75' =	2250	9	85' =	2295	6	80' =	2400
10	80' =	2400	6	80' =	2400	10	85' =	2550	6	85' =	2550
11	80' =	2640	7	80' =	2800	11	85' =	2805	7	85' =	2975
12	80' =	2880	8	75' =	3000	12	85' =	3060	8	80' =	3200
									7	90' =	3150
12	80' =	2880	8	75' =	3000	12	85' =	1980	8	90' =	3200

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	90' =	540	2	85' =	850	2	95' =	570	2	90' =	900
3	90' =	810	2	85' =	850	3	95' =	855	2	90' =	900
4	90' =	1080	3	85' =	1275	4	95' =	1140	3	90' =	1350
5	90' =	1350	3	90' =	1350	5	95' =	1425	3	95' =	1425
6	90' =	1620	4	85' =	1700	6	95' =	1710	4	90' =	1800
7	90' =	1890	5	85' =	2125	7	95' =	1995	5	90' =	2250
	90' =		4	95' =	1900		95' =		4	100' =	2000
8	90' =	2160	5	90' =	2250	8	95' =	2280	5	95' =	2375
9	90' =	2430	6	85' =	2550	9	95' =	2565	6	90' =	2700
10	90' =	2700	6	90' =	2700	10	95' =	2850	6	95' =	2850
11	90' =	2970	7	85' =	2975	11	95' =	3135	7	90' =	3150
12	90' =	3240	8	85' =	3400	12	95' =	3420	8	90' =	3600

Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	100' =	600	2	90' =	900
3	100' =	900	2	90' =	900
4	100' =	1200	3	90' =	1350
5	100' =	1500	3	100' =	1500
6	100' =	1800	4	90' =	1800
7	100' =	2100	5	90' =	2250
8	100' =	2400	5	100' =	2500
9	100' =	2700	6	90' =	2700
10	100' =	3000	6	100' =	3000
11	100' =	3300	7	95' =	3325
12	100' =	3600	8	90' =	3600

Virginia Sizing Chart for EZ_{flow} 1202H Product for GMP 116

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	50' =	200	2	45' =	301	2	55' =	220	2	50' =	334
3	50' =	300	2	45' =	301	3	55' =	330	2	50' =	334
4	50' =	400	3	45' =	451	4	55' =	440	3	50' =	501
5	50' =	500	3	45' =	451	5	55' =	550	3	55' =	551
6	50' =	600	4	45' =	601	6	55' =	660	4	50' =	668
7	50' =	700	5	45' =	752	7	55' =	770	5	50' =	835
8	50' =	800	5	45' =	752				4	60' =	802
9	50' =	900	6	45' =	902	8	55' =	880	6	55' =	919
10	50' =	1000	8	45' =	902	9	55' =	990	8	50' =	1002
11	50' =	1100	7	45' =	1052	10	55' =	1100	5	55' =	1102
			6	45' =	902	11	55' =	1210	7	55' =	1286
12	50' =	1200	8	45' =	1202	12	55' =	1320	8	50' =	1336

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	60' =	240	2	55" =	367	2	65' =	260	2	60' =	401
3	60' =	360	2	55" =	367	3	65' =	390	2	60' =	401
4	60' =	480	3	55" =	551	4	65' =	520	3	60' =	601
5	60' =	600	3	60" =	601	5	65' =	650	3	65' =	651
6	60' =	720	4	55" =	735	6	65' =	780	4	60' =	802
7	60' =	840	5	55" =	919	7	65' =	910	5	60' =	1002
			4	65" =	868				4	70' =	935
8	60' =	960	5	60" =	1002	8	65' =	1040	5	65' =	1086
9	60' =	1080	6	55" =	1102	9	65' =	1170	6	60' =	1202
10	60' =	1200	6	60" =	1202	10	65' =	1300	6	65' =	1303
11	60' =	1320	7	60" =	1403	11	65' =	1430	7	65' =	1520
12	60' =	1440	8	55" =	1470	12	65' =	1560	8	60' =	1603

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	70' =	280	2	65' =	434	2	75' =	300	2	70' =	468
3	70' =	420	2	65' =	434	3	75' =	450	2	70' =	468
4	70' =	560	3	65' =	651	4	75' =	600	3	70' =	701
5	70' =	700	3	70' =	701	5	75' =	750	3	75' =	752
6	70' =	840	4	65' =	868	6	75' =	900	4	70' =	935
7	70' =	980	5	65' =	1086	7	75' =	1050	5	70' =	1169
			4	75' =	1002				4	80' =	1069
8	70' =	1120	5	70' =	1169	8	75' =	1200	5	75' =	1253
9	70' =	1260	6	65' =	1303	9	75' =	1350	6	70' =	1403
10	70' =	1400	6	70' =	1403	10	75' =	1500	6	75' =	1503
11	70" =	1540	7	70' =	1637	11	75' =	1650	7	75' =	1754
12	70' =	1680	8	65' =	1737	12	75' =	1800	8	75' =	2004

Virginia Sizing Chart for EZ_{flow} 1202H Products for GMP 116

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	80' =	320	2	75' =	501	2	85' =	340	2	80' =	534
3	80' =	480	2	75' =	501	3	85' =	510	2	80' =	534
4	80' =	640	3	75' =	752	4	85' =	680	3	80' =	802
5	80' =	800	3	80' =	802	5	85' =	850	3	85' =	852
6	80' =	960	4	75' =	1002	6	85' =	1020	4	80' =	1069
7	80' =	1120	5	75' =	1253	7	85' =	1190	5	80' =	1336
	80' =		4	85' =	1136		85' =		4	90' =	1202
8	80' =	1280	5	80' =	1336	8	85' =	1360	5	85' =	1420
9	80' =	1440	6	75' =	1503	9	85' =	1530	6	80' =	1603
10	80' =	1600	6	80' =	1603	10	85' =	1700	6	85' =	1703
11	80' =	1760	7	80' =	1870	11	85' =	1870	7	85' =	1987
12	80' =	1920	8	75' =	2004	12	85' =	2040	8	80' =	2138
									7	90' =	2104

Construction Permit			EZ _{flow}			Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	90' =	360	2	85' =	568	2	95' =	380	2	90' =	601
3	90' =	540	2	85' =	568	3	95' =	570	2	90' =	601
4	90' =	720	3	85' =	852	4	95' =	760	3	90' =	902
5	90' =	900	3	90' =	902	5	95' =	950	3	95' =	952
6	90' =	1080	4	85' =	1136	6	95' =	1140	4	90' =	1202
7	90' =	1280	5	85' =	1420	7	95' =	1330	5	90' =	1503
	90' =		4	95' =	1269		95' =		4	100' =	1336
8	90' =	1440	5	90' =	1503	8	95' =	1520	5	95' =	1587
9	90' =	1620	6	85' =	1703	9	95' =	1710	6	90' =	1804
10	90' =	1800	6	90' =	1804	10	95' =	1900	6	95' =	1904
11	90' =	1980	7	85' =	1987	11	95' =	2090	7	90' =	2104
12	90' =	2160	8	85' =	2271	12	95' =	2280	8	90' =	2405

Construction Permit			EZ _{flow}		
Qty*	Length	Sq Ft	Qty*	Length	Sq Ft
2	100' =	400	2	90' =	601
3	100' =	600	2	90' =	601
4	100' =	800	3	90' =	902
5	100' =	1000	3	100' =	1002
6	100' =	1200	4	90' =	1202
7	100' =	1400	5	90' =	1503
8	100' =	1600	5	100' =	1670
9	100' =	1800	6	90' =	1804
10	100' =	2000	6	100' =	2004
11	100' =	2200	7	95' =	2221
12	100' =	2400	8	90' =	2405

EZ_{flow} Table 1 for GMP 116

Commonwealth of Virginia				EZ _{flow} Gravity Systems				EZ _{flow} LPD Systems		
Perc Rate (MPI)	Ksat (cm/d)	Soil Texture Group	Aggregate Trench Bottom Area Per Bedroom (sf)	1203T	1203H or 1203H-GEO	1202H or 1202H-GEO	1402H	Aggregate Trench Bottom Area Per Bedroom (sf)	Linear Feet Req/Bedroom	
				(30" W x 20" H x 10' L)	(36" W x 12" H x 10' L)	(24" W x 12" H x 10' L)	(28" W x 14" H x 10' L)		1402H (28" W x 14" H x 10' L)	1202H (24" W x 12" H x 10' L)
Up to 16	> 17.4	I	198	39.6	39.6	59.28	46.15	198	46.15	59.28
20	15.9 - 17.4	IIa	218	43.60	43.60	65.27	50.82	218	50.82	65.27
25	14.6 - 15.9	IIa	237	47.40	47.40	70.96	55.24	237	55.24	70.96
30	13.3 - 14.6	IIa	260	52.00	52.00	77.84	60.61	255	59.44	76.35
35	12.0 - 13.3	IIb	286	57.20	57.20	85.63	66.67	260	60.61	77.84
40	11.0 - 12.0	IIb	314	62.80	62.80	94.01	73.19	264	61.54	79.04
45	10.0 - 11.0	IIb	344	68.80	68.80	102.99	80.19	279	65.03	83.53
50	9.1 - 10.0	III	376	75.20	75.20	112.57	87.65	293	68.30	87.72
55	8.3 - 9.1	III	412	82.40	82.40	123.35	96.04	309	72.03	92.51
60	7.6 - 8.3	III	452	90.40	90.40	135.33	105.36	325	75.76	97.31
65	6.9 - 7.6	III	496	99.20	99.20	148.50	115.62	342	79.72	102.40
70	6.4 - 6.9	III	544	108.80	108.80	162.87	126.81	359	83.68	107.49
75	5.8 - 6.4	III	596	119.20	119.20	178.44	138.93	375	87.41	112.28
80	5.2 - 5.8	III	656	131.20	131.20	196.41	152.91	394	91.84	117.98
85	4.8 - 5.2	III	718	143.60	143.60	214.97	167.37	409	95.34	122.46
90	4.4 - 4.8	III	786	157.20	157.20	235.33	183.22	424	98.83	126.95
95	4.0 - 4.4	IV	862	172.40	172.40	258.08	200.93	431	100.47	129.04
100	3.6 - 4.0	IV	946	189.20	189.20	283.23	220.51	473	110.26	141.82
105	3.3 - 3.6	IV	1038	207.60	207.60	310.78	241.96	519	120.98	155.39
110	3.0 - 3.3	IV	1138	227.60	227.60	340.72	265.27	569	132.63	170.36
115	2.6 - 3.0	IV	1248	249.60	249.60	373.65	290.91	624	145.45	186.83
120	2.2 - 2.6	IV	1368	273.60	273.60	409.58	318.88	684	159.44	204.79

NOTES:

- A. Linear footage (LF) of EZ_{flow} EPS Aggregate is based on current Virginia Dept. of Health (VDH) loading rates per VAC 5-610-950 and the following Manufacturer's Sizing equivalencies (based on soil interface area).
 1203T = 50.0 sf/10' EPS bundle or 25.0 sf/5' EPS bundle (5.00 sf/ft.); 1203H = 50.0 sf/10' EPS bundle or 25.0 sf/5' EPS bundle (5.00 sf/ft.); 1202H = 33.4 sf/10' EPS bundle or 16.7 sf/5' bundle (3.34 sf/ft.); 1402H = 42.9 sf/10' EPS bundle or 21.45 sf/5' EPS bundle (4.29 sf/ft);
- B. Minimum EPS Aggregate footprint required for any system is 300 sf. (If of 1203T; If of 1203H; If of 1202H; If of 1402H)
- C. The minimum lineal footage of EPS Aggregate shall be calculated based on a minimum of 2 bedrooms.
- D. All substituted systems shall be installed with the same footprint required for a conventional gravel system.

EZ_{flow} Table 2 for GMP 135

Commonwealth of Virginia				EZ _{flow} Gravity Systems		EZ _{flow} LPD Systems	
Perc Rate (MPI)	Ksat (cm/d)	Soil Texture Group	Aggregate Trench Bottom Area Per Bedroom (sf)	Linear Feet Required/Bedroom		Linear Feet Required/Bedroom	
				1203H or 1203H-GEO (36" W x 12" H x 10' L)	1202H or 1202H-GEO (24" W x 12" H x 10' L)	Aggregate Trench Bottom Area Per Bedroom (sf)	1202H or 1202H-GEO (24" W x 12" H x 10' L)
Up to 16	> 17.4	I	198	49.50	74.16	198	74.16
20	15.9 - 17.4	IIa	218	54.50	81.65	218	81.65
25	14.6 - 15.9	IIa	237	59.25	88.76	237	88.76
30	13.3 - 14.6	IIa	260	65.00	97.38	255	95.51
35	12.0 - 13.3	IIb	286	71.50	107.12	260	97.38
40	11.0 - 12.0	IIb	314	78.50	117.60	264	98.88
45	10.0 - 11.0	IIb	344	86.00	128.84	279	104.49
50	9.1 - 10.0	III	376	94.00	140.82	293	109.74
55	8.3 - 9.1	III	412	103.00	154.31	309	115.73
60	7.6 - 8.3	III	452	113.00	169.29	325	121.72
65	6.9 - 7.6	III	496	124.00	185.77	342	128.09
70	6.4 - 6.9	III	544	136.00	203.75	359	134.46
75	5.8 - 6.4	III	596	149.00	223.22	375	140.45
80	5.2 - 5.8	III	656	164.00	245.69	394	147.57
85	4.8 - 5.2	III	718	179.50	268.91	409	153.18
90	4.4 - 4.8	III	786	196.50	294.38	424	158.80
95	4.0 - 4.4	IV	862	244.19	366.81	431	183.40
100	3.6 - 4.0	IV	946	267.99	402.55	473	201.28
105	3.3 - 3.6	IV	1038	294.05	441.70	519	220.85
110	3.0 - 3.3	IV	1138	322.38	484.26	569	242.13
115	2.6 - 3.0	IV	1248	353.54	531.06	624	265.53
120	2.2 - 2.6	IV	1368	387.54	582.13	684	291.06

NOTES:

- A. Linear footage (LF) of EZ_{flow} EPS Aggregate is based on current Virginia Dept. of Health (VDH) loading rates per VAC 5-610-950 and the following Manufacturer's Sizing equivalencies (based on soil interface area).
 1203H = 40.0 sf/10' EPS bundle or 20.0 sf/5' EPS bundle (4.00 sf/ft.) in Class I, II, and III Soils;
 1203H = 35.3 sf/10' EPS bundle or 17.6 sf/5' EPS bundle (3.53 sf/ft) in Class IV Soils;
 1202H = 26.7 sf/10' EPS bundle or 13.3 sf/5' bundle (2.67 sf/ft) in Class I, II, and III Soils;
 1202H = 23.5 sf/10' EPS bundle or 11.7 sf/5' bundle (2.35 sf/ft) in Class IV Soils;
- B. Minimum EPS Aggregate footprint required for any system is 300 sf. (If 1203H; If 1202H)
- C. The minimum lineal footage of EPS Aggregate shall be calculated based on a minimum of 2 bedrooms.

Absorption Sizing: GMP #116

1. Absorption Area Sizing shall be based on Manufacturer's Sizing under VDH (GMP #116), as shown on **EZ_{flow}** Table 1. The total trench bottom area shall not be less than 300 square feet for any residential system. The footprint of the system shall be equivalent to that of a conventional gravel system.
2. Absorption trenches shall be placed on contour. The lateral separation of the trenches shall not be less than the center-to-center distances specified in § 950.F of the Regulations (based upon trench width of the selected **EZ_{flow}** product).
3. Distribution boxes are used for gravity distribution trenches to insure equal distribution or spread of effluent to trenches. For each Drainfield trench, there will be one solid plastic pipe leaving the distribution box.
4. 1203T is to be installed only in a 30" wide trench with 13 inches from the inlet invert to the trench bottom.
5. 1203H is to be installed in a 36" wide trench with 6 inches from the inlet invert to the trench bottom.
6. 1202H is to be installed in a 24" wide trench with 6 inches from the inlet invert to the trench bottom.
7. 1402H is to be installed in a 30" or 36" wide trench with 6 inches from the inlet invert to the trench bottom.

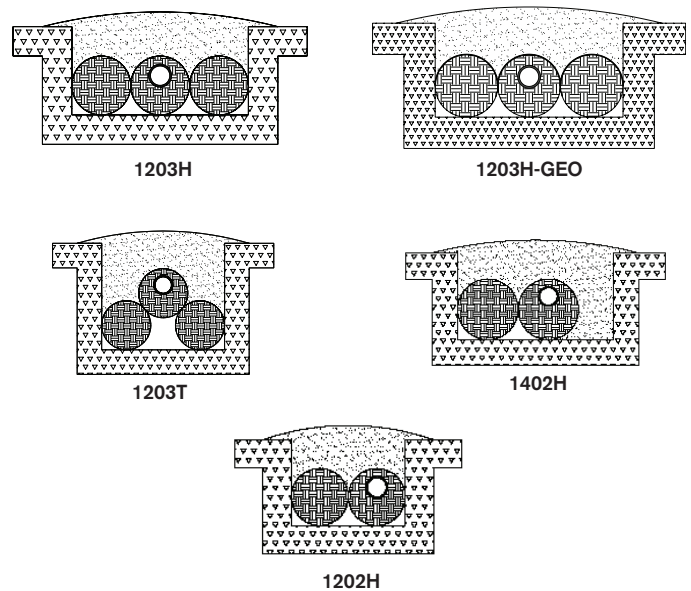
Absorption Sizing: GMP #127

1. Under VDH GMP #127, **EZ_{flow}** configurations are approved for installation as a gravel-less system to be used as a replacement for the stone or gravel used to bed the percolation lines in trenches. Approved **EZ_{flow}** configurations can be used in individual sewage disposal systems, systems that serve commercial or other establishments, more than a single-family dwelling unit, or where pumping, enhanced flow distribution or low pressure distribution is necessary, without any reduction in size of the trenches.
2. All sites where **EZ_{flow}** configurations are utilized shall meet the site and soil criteria contained in the Sewage Handling and Disposal Regulations.
3. The **EZ_{flow}** configurations are approved for use at a 1:1 sizing ratio, using bottom area only, as compared to conventional gravel trenches.

Absorption Sizing: GMP #135

1. Absorption Area Sizing shall be based on Manufacturer's Sizing under VDH (GMP #116), as shown on **EZ_{flow}** Table 2. The total trench bottom area shall not be less than 300 square feet for any residential system. The footprint of the system shall be equivalent to that of a conventional gravel system.

2. Absorption trenches shall be placed on contour. The lateral separation of the trenches shall not be less than the center-to-center distances specified in § 950.F of the Regulations (based upon trench width of the selected **EZ_{flow}** product).
3. Distribution boxes are used for gravity distribution trenches to insure equal distribution or spread of effluent to trenches. For each Drainfield trench, there will be one solid plastic pipe leaving the distribution box.
4. 1203H is to be installed in a 36" wide trench with 6 inches from the inlet invert to the trench bottom.
5. 1202H is to be installed in a 24" wide trench with 6 inches from the inlet invert to the trench bottom.



Obtain any required inspections by local or county health department before covering system. 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.



INFILTRATOR[®]
systems inc.

6 Business Park Road • Old Saybrook, CT 06475 • 800.689.7759