

EnviroServer® ES Installation Summary Guide

This form is used to help facilitate a smooth installation of all EnviroServer ES models in installations that do not require traffic rating. Use this in conjunction with all plans, permits and the Installation Manual.

Items Delivered

Check for damage upon receipt; MicroSepTec will not be responsible for any lost or damaged items once received. A packing slip is enclosed with each shipment. *Dimension does not include ribs, mid-seam flange or man-ways

ES4.5

1-Fiberglass Tank:
5- Boxes for system components

ES6

1-Fiberglass Tank:
7- Boxes for system components

ES7.5

1-Fiberglass Tank:
8- Boxes for system components

ES12

1-Fiberglass Tank:
10- Boxes for system components

ES25

1-Fiberglass Tank:
12- Boxes for system components

Excavation Requirements

NOTE: Excavation requirements based on standard installations, and include primary backfill material to cover the top of the tank. Traffic-rated installations require larger excavation and more backfill material. All tanks must be set level. Maximum depth to top of tank is 6', but 4' max recommended.

**Measurements do not include rib under tank. If the rib does not settle into gravel, allow an additional 3" for in/outlet heights

ES Model	Treatment Capacity ¹ (Gallons Per Day)	Liquid Capacity (Gallons)	Minimum Excavation Length	Minimum Excavation Width	Minimum Excavation Depth	Primary Backfill Material (Approx)
ES4.5	450	1,500	15' 6"	7'	8'	17 YDS
ES6	600	2,000	18' 6"	7'	8'	20 YDS
ES7.5	750	2,500	17"	8'	9'	25 YDS
ES12	1,200	3,650	23' 5"	8'	9'	35 YDS
ES25	2,500	7,550	26' 10"	10'	11'	50 YDS

Additional Requirements

Power:

Gravity System 1 Circuit, 115VAC, 15AMP GFI
 Pumped Discharge 2 Circuits, one 115VAC, 15 AMP for PLC, One 115VAC 30 AMP GFI for Discharge Pumps
 Compressor may be powered through Alarm Control Panel or through Separate GFI outlet
 A network Cable should be run to the Alarm Control Panel if system has Telemetry option

Pipe:

Inlet 4" ABS
 Gravity outlet 4" ABS
 Pumped discharge As required (cap 4" outlet with 4" ABS cap)
 Compressor 1" Sch *) PVC from Compressor to middle riser

Compressor Location:

- Compressors should be located in a well-ventilated, shady place. An indoor location like a shed or garage is ideal, and should be assessable for service.
- Compressors must be elevated so that surface water cannot enter the electrical terminals within the compressor.
- Compressors should be located as close to the tank as possible; do not exceed 50' distance from tank.
- Compressors must be located at the same elevation or higher than the lid of the middle riser with no low point between compressor and riser.

Venting:

Under normal circumstances, the system will vent back through the sewer venting system for the structure. However, when a pumping system (e.g. lift station) is used to move waste to the EnviroServer, additional venting should be installed. The vent should use 4" pipe from the middle riser and should include a minimum of 5' of pipe (to prevent condensation from collecting), with fall toward the tank. The outlet should be capped with a carbon filter. Refer to installation instructions for carbon filter regarding placement, cover, etc.