



# 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

### ES6

1-Fiberglass Tank: 1650 LBS-6' x 15'  
5- Boxes for system components

### ES12

1-Fiberglass Tank: 1650 LBS-6' x 21' 5"  
8- Boxes for system components

### ES25

1-Fiberglass Tank: 1650 LBS-8' x 25' 2"  
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 <sup>1</sup> (Gallons Per Day)	Liquid Capacity (Gallons)	Dimensions (D X L)	Bottom of Inlet	Bottom of Outlet	Minimum Excavation Length	Minimum Excavation Width	Minimum Excavation Depth	Primary Backfill Material (Approx)
ES4.5	450	1,500	5' X 13' 5"	52"	44"	16'	7'6"	8'6"	19 YDS
ES6	600	1,942	5' X 17' 1"	52"	44"	19' 6"	7'6"	8'6"	25 YDS
ES7.5	750	2,400	6' X 14' 7"	64"	56"	16'	8'6"	9'6"	25 YDS
ES9	900	2,863	6' X 17' 1"	64"	56"	19'6"	8'6"	9'6"	30 YDS
ES10.5	1050	3,327	6" x 19' 7"	64"	56"	22'	8'6"	9'6"	32 YDS
ES12	1200	3,822	6' X 22' 3"	64"	56"	25"	8'6"	9'6"	38YDS
ES13.5	1350	4,536	8' X 15' 6"	88"	80"	18'	9'6"	10'6"	35 YDS
ES15	1500	4,944	8' X 16' 9"	88"	80"	19'6"	9'6"	10"6"	38YDS
ES25	2500	7,973	8' X 25' 4"	88"	80"	27'6"	9'6"	10'6"	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.