

Tennessee Department of Environment and Conversation  
Division of Water Resources

Office Correspondence

Date: February 13, 2023

To: Ground Water Protection FOM's, Field Staff, Central Office Staff, Contract Counties

From: Fali Kapadia

Subject: Update of Approved Chamber Systems

As you are aware, the use of Chamber Systems was authorized by the amendments to the **Regulations to Govern Subsurface Sewage Disposal Systems**, effective January 3, 2000. The rules specifically specify the dimensions (32-36" wide by 10-12" high) and requirements of the chamber system units that may be approved. The rules further state that the Division Central Office may approve chambers of varying heights and widths on an individual basis. The following is a list of those companies who have submitted information to demonstrate that their products meet these requirements. Only the units listed below are currently approved. The units listed below are allowed a thirty (30) percent linear footage reduction in the size of the primary system if they are installed in soils with a soil absorption rate of 60 MPI or less. **No reduction is given for the secondary system and no reduction is given in the total required footprint for the primary and secondary disposal field area (the size of the primary and secondary disposal field areas for chamber systems shall be the same as required for a conventional gravel system disregarding the 30 percent reduction).** If a final inspection reveals a chamber unit which is not on this list, approval should be denied and the applicant, installer, property owner should be directed to the Central Office in order to have that particular chamber unit evaluated.

<b>Infiltrator (Formerly marked ADS)</b>	<b>Arc 36</b>	<b>34.5" wide x 13" high</b>
<b>Infiltrator (Formerly marked ADS)</b>	<b>BioDiffuser 11" Standard (aka BioDiffuser Low Profile)</b>	<b>34" wide x 11" high</b>
<b>Cultec, Inc.</b>	<b>Contactor-100</b>	<b>34.5" wide x 12" high</b>
<b>Prinsco Water Management Systems</b>	<b>Pro 4/36</b>	<b>34" wide x 12" high</b>
<b>Infiltrator</b>	<b>Standard SideWinder</b>	<b>34" wide x 12' high</b>
<b>Infiltrator</b>	<b>Quick4 Standard Chamber</b>	<b>34" wide x 12" high</b>
<b>Infiltrator</b>	<b>Quick 4 Plus Standard</b>	
<b>Infiltrator</b>	<b>Quick 5 Standard</b>	<b>33.5" W x 12.5" H x 60"L</b>

The units listed below can be approved and sized as equivalent, linear foot per linear foot, as compared to three (3) feet wide conventional gravel disposal field with no reduction given on any soil absorption rate.

<b>Infiltrator (Formerly marked ADS)</b>	<b>BioDiffuser 22" Narrow (aka Bio 3)</b>	<b>22" wide x 11.9" high</b>
<b>Infiltrator (Formerly marked ADS)</b>	<b>Arc 24</b>	<b>22.5" wide x 12" high</b>

<b>Infiltrator</b>	<b>EQ36</b>	<b>22" wide x 13.5" high</b>
<b>Infiltrator Water Technologies</b>	<b>Quick4 EQ 36</b>	<b>22.8" wide x 12.5"high</b>
<b>Infiltrator Water Technologies</b>	<b>Quick5 EQ 36</b>	<b>22.8" W x 12.5 "H x 60"L</b>
<b>Prinsco</b>	<b>Pro4/24</b>	<b>22" x12" x 48"L</b>

The units listed below can be approved and sized at a length of 125% of the length required for a 3-foot wide gravel trench as sized in Appendix II of the regulations with no reduction given on any soil absorption rate.

<b>Infiltrator</b>	<b>Quick4 Equalizer 24</b>	<b>16" wide x 11" high</b>
<b>Infiltrator</b> <b>(Formerly marked ADS)</b>	<b>BioDiffuser 15" Narrow</b> <b>(aka Bio 2)</b>	<b>15" wide x 12" high</b>