

Septic Stack™ Systems

Available in configurations of 9, 11 and 13 pipes, Septic Stack units allow for exceptional soil contact without the use of gravel. The Septic Stack units function as a trickle filter, dispersing effluent into the voids in and around the specialty-banded ADS pipe. The pipe is engineered with holes and slots, allowing it to collect and disperse the effluent as it passes over the pipe corrugations.

ADS Septic Stack systems are available for use in both residential and commercial applications. Contact your local health department or county sanitarian for information on which sizes meet state and local requirements.

Applications

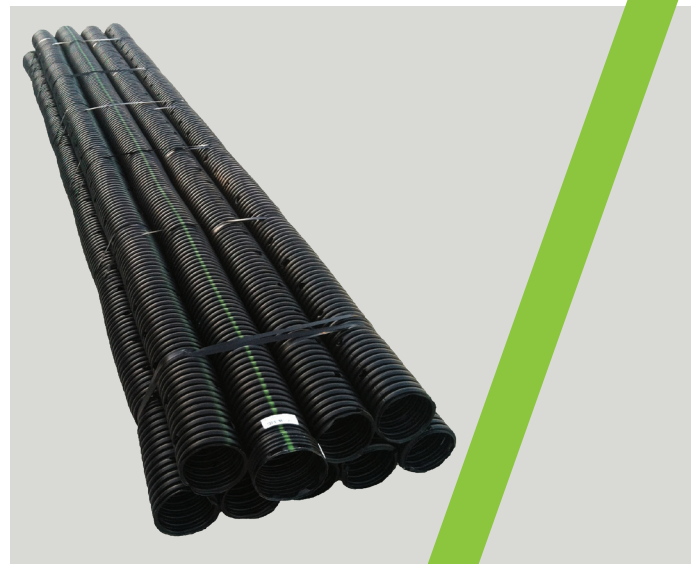
- Trench configuration
- Mound configuration
- Pressure distribution
- Bed configuration
- Low pressure piping

Features

- 4" (100 mm) HDPE pipe provides excellent abrasion- and corrosion-resistance
- 10' (3 m) lengths create fast installation times and allow tremendous design flexibility
- Structural strength supports H-10 load rating with 12" (300 mm) of settled cover

Benefits

- Light weight
- High storage volume
- Distribution pipe runs the entire length of system
- 8.6" (218 mm) height provides low profile



ADS Septic Stack Pipe Specification

Scope

This specification describes bundled 4-inch (100 mm) ADS single wall heavy duty polyethylene pipe, for use in on-site wastewater disposal applications.

Stack Requirements

One distribution pipe (D-pipe) is placed in the upper middle valley between two layers of void pipe. The distribution pipe is a standard 2-hole leach pipe, or 3-hole dependent on state and local regulations, 10' (3.0 m) long and connected end-to-end by a snap-on bell. The void pipes (V-pipe) are standard multi-perforated leach pipes, 10' (3.0 m) long and are butted up together end-to-end covered with septic fabric.

Septic fabric is laid over the Septic Stack to prevent sand intrusion. The fabric is centered on the distribution pipe and run the entire length of each line. Open ends of pipe that face the soil are double covered with fabric.

Material Properties

Pipe and fitting material shall be high-density polyethylene conforming with the minimum requirements of cell classification 423410C as defined and described in the latest version of ASTM D3350.

Installation

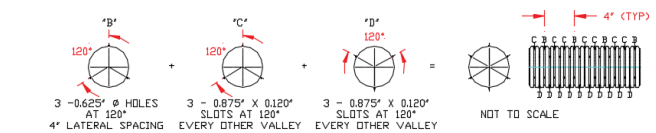
Installation shall be in accordance with ADS recommended installation instructions and those issued by a local health department. For leach field applications, installation shall be in accordance with ASTM F481 and as regulated by regional, state, and local agencies. Proper authorization for specific applications and designs should be obtained prior to installation to ensure suitability in certain locales. Contact your local ADS representative or visit our website at adspipe.com for a copy of the installation guidelines.

Septic Fabric Properties

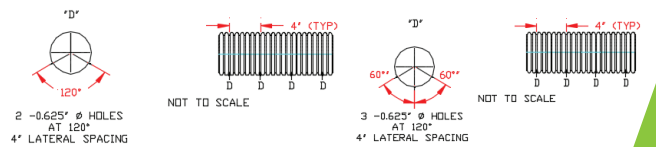
A septic fabric is required to prevent entry of aggregate into the system. The governing authority should be contacted to determine the type of septic fabric required. In lieu of the local recommendations, ADS recommends a light weight, non-woven, polypropylene geotextile wrap. For further information on the wrapping system and techniques, contact your local ADS representative for state-specific requirements.

Stack Dimensions

	9 Bundle	11 Bundle	13 Bundle
Height, in. (mm)	8.6 (218)	8.6 (218)	8.6 (218)
Width, in. (mm)	23.5 (597)	28.5 (724)	33.5 (851)
Length, ft. (m)	10 (3.05)	10 (3.05)	10 (3.05)
Total storage capacity gal/ft	8.9	10.9	12.8
Filtration area in ² /ft	160	190	220
Actual footprint ft ² /unit	20	24	28



Void Perforation Pattern



Distribution Perforation Patterns

