

# Arc™ 18

## Leachfield Chambers

Leaching chambers are rapidly becoming the product of choice for leachfield applications over conventional pipe and gravel systems. Their lightweight construction offers lower installed costs and less intrusive installations.

The Arc 18 septic leaching chamber is a sturdy, lightweight plastic unit that combines maximized infiltrative surface area and storage capacity with an improved structural design. This unique combination allows for increased effluent dispersal and improved structural integrity as well as ease of installation and simplified contouring capabilities.

### Features

- Injection molded for HDPE for lightweight, sturdy design
- 20° integral articulating joint is ideal for straight or contoured leachfield applications
- Corrugated design eliminates flat surfaces and provides increased load-bearing capacity
- Accommodates gravity-fed and pressure-dosed systems
- “Lock and Drop” joint provides a more positive connection during installation and backfill
- Universal inlet/outlet end cap

### Benefits

- 5' (1.5 m) lengths are easy to handle
- Quickly installed by one person into 3' (0.9 m) wide trench or bed application
- Increased plumbing option with Side Port Coupler component, which snaps in place to allow side entry at any joint
- Diamond plate texture increases slip resistance and enhances ease of installation
- Inspection vent ports with easy-to-remove knockouts for maximum job site flexibility



# ADS Arc 18 Septic Leaching Chamber Specification

## Scope

This specification describes the Arc 18 chamber units for use in onsite wastewater disposal applications.

## Chamber Requirements

Arc chambers are manufactured from high-density polyethylene with an open bottom, solid top and louvered sidewalls. Sidewall louvers shall be designed to minimize soil intrusion.

Chamber shall meet the load rating of H-10 (16,000 lb per axle) with a minimum of 12" (300 mm) of cover when tested in accordance with IAPMO PS 63 and installed in accordance with manufacturer's installation procedures.

## Chamber Connection

Each chamber shall interlock with an integral articulating joint. Articulating joints shall have a free range of horizontal rotation of 20°, with a maximum of 10° in either direction. Articulating joint shall be constructed by placing the dome with engaging knuckle of the incoming chamber over the post end of the previously-installed chamber.

## Material Properties

Each chamber shall be manufactured from high-density polyethylene as defined and described in IAPMO PS 63.

## Installation

Installation shall be in accordance with ADS installation procedures as well as all state and local health department regulations.

## Chamber Dimensions\*

	in (mm)
Length (A)	67 (1,702)
Repeat Length (E)	60 (1,524)
Side Wall Height (B)	7.7 (196)
Overall Height (C)	12 (305)
Overall Width (D)	16 (406)
Capacity	25.6 gal (116 liter)
Pallet Quantity	135 chambers
Truck Load Quantity*	16 pallets

\*End caps may reduce truck load pallet quantity.

