

S6.02 Arc™ Septic Leaching Chamber Specification

Scope

This specification describes the Arc 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 inches (300 mm) of cover when tested in accordance with IAPMO PS 63 and installed in accordance with manufacturers 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 degrees, with a maximum of 10 degrees 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 and those issued by the local health department regulations.

Chamber Dimensions

Model	Length (A) in. (mm)	Repeat length (E) in. (mm)	Side wall height (B) in. (mm)	Overall height (C) in. (mm)	Overall width (D) in. (mm)	Capacity ft ³ (m ³)	Units per pallet	Pallet Truckload Quantity
Arc 18	67.0 (1701)	60.0 (1524)	7.7 (196)	12.0 (305)	16.0 (406)	3.42 (0.09)	135	16
Arc 24	67.0 (1701)	60.0 (1524)	7.5 (191)	12.0 (305)	22.5 (572)	5.02 (0.14)	120	16
Arc 36	63.0 (1600)	60.0 (1524)	7.13 (181)	13.0 (330)	34.0 (864)	8.0 (0.22)	70	24
Arc 36 HC	63.0 (1600)	60.0 (1524)	10.75 (273)	16.0 (406)	34.0 (864)	10.7 (0.30)	60	24
Arc 36 LP	63.0 (1600)	60.0 (1524)	5.5 (140)	8.0 (203)	34.0 (864)	5.8 (0.16)	60	24

* End caps may reduce truck load pallet quantity.

