

Non-pressure-hole distribution box



Overview

D30 Commercial Distribution Box | Jensen Infrastructure Jensen wastewater distribution box evenly splits effluent among multiple drainfield lines. Designed.

Key Takeaways

A non-pressure-hole distribution box evenly distributes effluent from a septic tank to a leach field without requiring pressurized piping or sealed outlets. Overview

A non-pressure-hole distribution box (D-box) is a key component in septic and wastewater systems. Its primary function is to divide effluent evenly from the septic tank to multiple leach field lines, ensuring uniform soil absorption and preventing system failure due to uneven distribution. Unlike pressure distribution systems, it does not rely on pumps or pressurized pipes; instead, gravity and proper leveling control the flow.

Materials and Construction

Non-pressure D-boxes are commonly made from:

- Precast concrete: Durable and strong, often tested to ASTM standards for quality and strength.



- High-density polyethylene (HDPE): Lightweight, non-corrosive, and easy to handle, with twist-lock or low-pressure pipe seals for secure connections . These boxes typically feature inlet and outlet elevations designed to maintain equal flow to all discharge pipes. Some models include Dial-A-Flow™ risers or adjustable access points for leveling and inspection .

Installation Considerations

- Leveling: The D-box must be perfectly level to ensure equal effluent distribution. Uneven installation can lead to overloading one section of the leach field while underutilizing another .
- Pipe connections: Non-pressure boxes use low-pressure or twist-lock seals that accept standard 4-inch pipes without mortaring, allowing easy installation and maintenance .
- Inspection access: Many boxes include risers or lids for at-grade access, enabling monitoring and adjustment of effluent flow .

Advantages

- Simplicity: No pumps or pressurized systems are required.
- Durability: Concrete and HDPE options resist corrosion and environmental wear.
- Ease of maintenance: Access risers and removable seals allow for inspection and cleaning.
- Uniform distribution: Properly installed, they prevent leach field failure due to uneven effluent flow .

Applications

Non-pressure-hole distribution boxes are suitable for:

- Residential and commercial septic systems
- Areas where gravity flow is sufficient
- Systems requiring low-maintenance, durable effluent distribution For specific sizing, outlet numbers, and material options, manufacturers like Polylok, A.J. Foss, and American Manufacturing Company provide a range of precast concrete and HDPE D-boxes with 4 to 28 outlets, adjustable risers, and compatible pipe seals .

Article Content

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Jensen wastewater distribution box evenly splits effluent among multiple drainfield lines. Designed for septic disposal systems, it

DISTRIBUTION BOXES

American Distribution Boxes are made of high-density polyethylene for years of dependable use. They are non-corrosive, strong, and

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Our wastewater distribution boxes play a crucial role in evenly distributing effluent from the septic tank to

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Tuf-Tite 9-Hole Distribution Box comes complete with a lid and your choice of 9 Pipe Seals. Enter the list of your 9 included seals in

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Distribution Boxes

We use Polylok © Low Pressure Pipe Seals in our distribution boxes. These seals require no sealing or mortaring, and accept pipe

Distribution Boxes

Polyethylene 6 Hole and 8 Hole Distribution Box (D-Box) For Septic Drain Fields Specifications Model no. 6/4/3 (6 hole): 23½" L x

Polylok 7-Hole Distribution Box with Solid Cover

The Polylok distribution boxes are the most versatile boxes on the market today. This Polylok 7-Hole Distribution Box comes

DISTRIBUTION BOX (D-BOX)

DISTRIBUTION BOX (D-BOX) — FOR SEPTIC DRAIN FIELDS NOTE: Not for use in pumped or pressure systems. 6 hole 8 hole (5

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Polylok 6-Hole Distribution Box with Solid Cove

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9-Hole Dist Cat Sheet

9-Hole Distribution Box 9HD2 INSTALLATION IS JUST THIS SIMPLE Position the Distribution Box on level virgin soil. Do not place

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9-Hole Distribution Box

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7-Hole Dist Cat Sheet

Stackable Riser Easily extend the top of the box to grade, in 6" increments. Stackable HDPE Risers interlock firmly and accept a

9 Hole Tuf-Tite Distribution Box

Tuf-Tite® Distribution Box. THE TOUGH ONE! Injection molded HDPE Non-corrosive Simple to install

Distribution Boxes

Jefferson Concrete Corp. makes all distribution boxes with a concrete baffle at the single inlet. All the pipe penetrations have a

4-Hole Septic Distribution Boxes

Septic Solutions offers the Polylok HDPE (High Density Polyethylene) Septic Distribution Boxes for sale. These distribution boxes are

Distribution Boxes

A septic distribution box is a container used to receive septic system effluent from a septic tank and to re-distribute the effluent into a

7-Hole Septic Distribution Box for Large Systems | Tuf-Tite

The Tuf-Tite ® 7-Hole Distribution Box (Series B4) provides a permanent solution for balanced effluent flow distribution in larger

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The Tuf-Tite ® 9-Hole Distribution Box (Series B3) provides a permanent solution for balanced effluent flow

6-Hole Septic System Distribution Box Kit with Lid and Seals

About This Product VPC septic system distribution boxes allow you to customize your septic system. Featuring a versatile HDPE

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Tuf-Tite 9 Hole Distribution Box & Lid

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Polylok 8-Hole Distribution Box with Solid Cover

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20" Round Distribution Box (8 Hole) Kit

The 6-hole box and 7-hole boxes also have the option of using 6" pipe. The seals automatically included with the 20" distribution

9-Hole Dist Cat Sheet

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Polylok Distribution Boxes

Polylok, Inc. is an international supplier for the precast concrete and onsite wastewater industries, producing high-grade septic tank

Distribution Boxes

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Septic Solutions has all the products to meet your drainfield or leach field needs, including infiltrator leach field chambers, distribution

Amazon : Septic Distribution Box

Outfit your septic system with a high-quality distribution box. Find 4, 6, 7, or 9-hole options with lids and drainage features to meet

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

