DuroMaxx® Rainwater Harvesting Cisterns
Contech is your partner in stormwater management solutions

Your Contech Team

Contech is the leader in stormwater solutions, helping engineers, contractors and owners with infrastructure and land development projects throughout North America.

With our responsive team of stormwater experts, local regulatory expertise and flexible solutions, Contech is the trusted partner you can count on for stormwater management solutions.

The experts you need to solve your stormwater challenges

STORMWATER CONSULTANT
It’s my job to recommend the best solution to meet permitting requirements.

STORMWATER DESIGN ENGINEER
I work with consultants to design the best approved solution to meet your project’s needs.

REGULATORY MANAGER
I understand the local stormwater regulations and what solutions will be approved.

SALES ENGINEER
I make sure our solutions meet the needs of the contractor during construction.

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Cisterns for Stormwater Reuse and Runoff Reduction

Low Impact Development strives to eliminate runoff by promoting infiltration wherever practical. If your site has high groundwater, soils with low permeability, bedrock, or other limiting conditions, infiltration alone may not provide enough runoff reduction to meet regulations. That’s why rainwater harvesting is an important tool to help meet runoff reduction requirements.

The DuroMaxx® Rainwater Harvesting Cistern helps achieve stormwater management goals by reducing stormwater runoff while providing cost savings through the reduction of potable water use.
DuroMaxx® Rainwater Harvesting Cisterns

Strength of steel and the durability of plastic ... 

Our Rainwater Harvesting Cisterns are made from DuroMaxx Steel Reinforced Polyethylene (SRPE). The eighty (80) ksi steel reinforcing ribs provide the strength and pressure rated polyethylene (PE) resin provides the durability. The combination of materials results in an extraordinarily strong and durable below ground cistern.

- Available up to 120" diameter
- Includes prefabricated access points
- Lightweight - easily handled and quickly installed, often without the use of heavy construction equipment
- H-25 traffic rated design

DuroMaxx Rainwater Harvesting Cisterns have been certified to be in compliance with the Uniform Plumbing Code (UPC®) by The International Association of Plumbing and Mechanical Officials (IAPMO) Research and Testing. The DuroMaxx Rainwater Harvesting Cistern is also approved by Los Angeles City and has a research report number (RR 5726).

Engineers can now write specifications for rainwater harvesting cisterns based on a nationally recognized standard that address issues such as structural design, leakage, and repeatable manufacturing processes. Contech is one of the few companies that have received IAPMO/UPC certification for rainwater harvesting cisterns.

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A 182,000 gallon DuroMaxx rainwater harvesting cistern was used at the Oceano Apartments in Woodland Hills, California to meet runoff reduction goals at this 3.57 acre site.

Learn More: www.ContechES.com/rwh
Pretreating harvested water protects pumps, filters, & fixtures from damage

**APPLICATION TIPS**

- Pretreating rainwater harvesting cisterns protects downstream pumps, filters, and fixtures from damage or clogging, and lowers cleaning and maintenance costs by keeping pollutants out of the cistern and mechanical system. Contech offers a number of pretreatment devices including CDS, StormFilter, and Jellyfish.

- For best performance, all rainwater harvesting cisterns should be leak tested and results documented using a positive pressure air test.

- All rainwater harvesting cisterns should include an inlet calming device that will introduce water to the cistern with little to no turbulence.

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The CDS® hydrodynamic separator is the preferred rainwater harvesting pretreatment device. CDS is an underground stormwater treatment device that uses swirl concentration and continuous deflective separation to screen, separate and trap trash, debris, sediment, and hydrocarbons from runoff.


The Stormwater Management StormFilter® uses rechargeable, media-filled cartridges that absorb and retain the most challenging target pollutants including dissolved metals, hydrocarbons, nutrients, metals and other common pollutants found in stormwater runoff.


The Jellyfish® Filter is an engineered stormwater quality treatment technology featuring pretreatment and membrane filtration in a compact stand-alone treatment system, which removes a high level and a wide variety of stormwater pollutants.

Rainwater Harvesting helps meet runoff reduction requirements

**Typical Underground Cistern Components**

**DuroMaxx® Rainwater Harvesting Cistern Certifications**

- IAPMO IGC 329 Certified
- Uniform Plumbing Code (UPC®)
- City of Los Angeles RR Approval RR 5726

Each DuroMaxx Rainwater Harvesting Cistern is custom built per the site requirements.

From inlet and outlet stub placement and size to access riser height, each cistern is designed to fit the site and provide the most economical storage solution.

Each cistern is ready to accept internal components such as pumps and level sensors or these components can be placed in a downstream wet well. Contech Design Engineers can also assist in designing each cistern to help you meet local requirements.

Multiple cistern layouts are available. All cisterns are tested for watertightness prior to shipment.
**Rainwater Harvesting Cistern Options**

**Cistern sizes for every site ...**

Contech offers a variety of standard cistern sizes designed to accommodate a variety of storage requirements. Cistern storage volumes range from 2,000 – 22,500 gallons, and multiple cisterns can be connected using a small diameter manifold. Custom cistern sizes are also available.

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* Custom cistern sizes available. Please contact Contech at 800-338-1122.
Few companies offer the wide range of high-quality stormwater resources you can find with us — state-of-the-art products, decades of expertise, and all the maintenance support you need to operate your system cost-effectively.