UrbanGreen™ Hydrodynamic Separation
Pretreatment for Green Stormwater Solutions

CDS Features
• Captures and retains 100% of floatables and neutrally buoyant debris 2.4 mm or larger
• Proven removal of solids, oil and grease
• Patented indirect screening capability keeps screen from clogging
• Retention of all captured pollutants, even at high flows
• Easy access to remove captured pollutants
• Performance verified by NJCAT and WA Ecology
• Flexible design
  – Allows for multiple inlet pipes
  – In-line, grate, and curb inlet configurations
  – Easily installed in existing storm drain

HDS Benefits
• Cost effective method of gross pollutant removal
• Pretreatment reduces size and increases longevity of land based BMPs
• Variety of sizes to meet range of applications and flows
• Easy, low-cost maintenance

HDS Applications
• Pre-treatment for rainwater harvesting/stormwater reuse
• Pre-treatment for infiltration and bioretention
• Urban retrofit/redevelopment
• Sediment and trash protection for ponds/lakes
• Pump protection

Before CDS® After CDS®

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**Use Lightweight Chambers to Meet Runoff Reduction Requirements**

The ChamberMaxx corrugated, open-bottom chamber system allows you to meet runoff reduction requirements by providing economic infiltration. Design your low impact development (LID) site by incorporating this below grade system to maximize available land for development or green space. ChamberMaxx is most effective on sites where the depth from finished grade to storm sewer outlet is less than 54-inches (1.37-meters).

**Maximum Volume in Small Footprint**
- Low profile shape (30” rise) – Economical for shallow applications
- 49 ft³ (1.39 m³) of storage per chamber – 6% more storage volume than similar products, so smaller footprint and fewer chambers

**Strong and Durable**
- Manufactured per ASTM F 2418-05
- Injection molded using structurally efficient and corrosive resistant polypropylene resin
- Structurally designed to exceed HS-20/HS-25 live loads in accordance with AASHTO (Section 12) LRFD design specifications for stormwater chambers
- Integral end caps eliminate the expensive loose end caps and add to chamber strength

**Easy Installation**
- Lightweight - Installed by hand without the need for heavy equipment
- Locally available direct from Contech - Short lead time with local installation support

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**ChamberMaxx® for Stormwater Detention and Infiltration**

- **HEADER PIPE**
- **STANDARD OPEN CHAMBER**
- **INTEGRATED END WALL CHAMBER**
- **PRETREATMENT SYSTEM**
- **INSPECTION PORT**