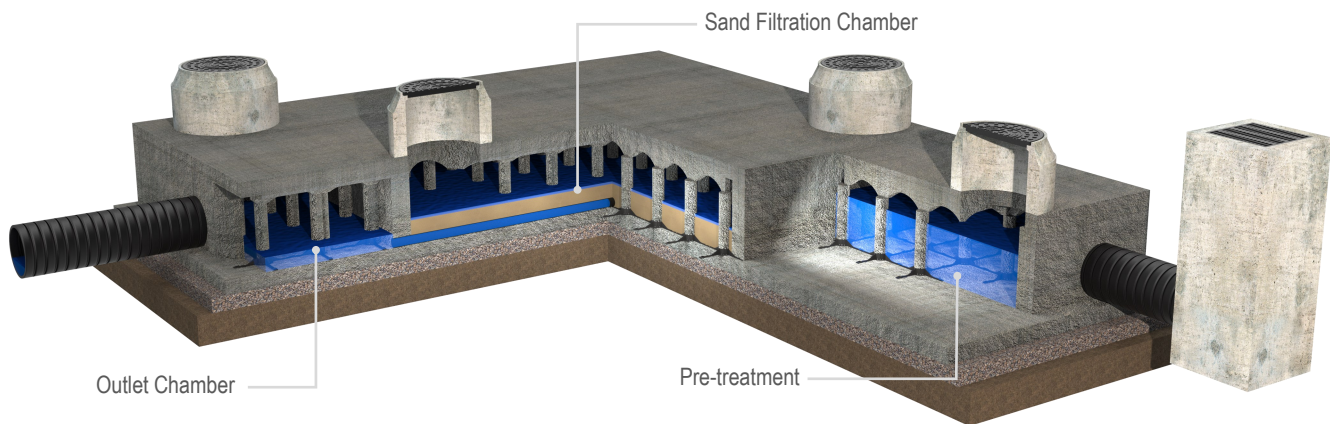


CUPOLEX® CONCRETE FORMING

TREATMENT CHAMBER SYSTEMS



OVERVIEW

CUPOLEX® cast-in-place concrete stormwater treatment structures and pavements are designed with an integrated sand filter as a standalone system. Sand filters are proven technology that effectively remove pollutants from stormwater runoff after construction has been completed on a given site.

Treatment tanks are typically designed as a triple-chambered structure. The first chamber is designed as an isolator row and serves to pre-treat the stormwater by allowing larger sediments to settle out and trapping some floatables. The second chamber contains a filter bed comprised of sand, or other filter media, that will filter out finer particles and other pollutants to provide cleaned water prior to discharge to a third chamber. The third chamber is a clear well chamber for retaining the volume of water prior to discharging.

FEATURES

- Incorporated pre-treatment chamber
- Can be designed as a watertight system
- Applications for pavements or green space
- Time tested cast-in-place forming technology with millions of sq.ft. of tanks installed
- CUPOLEX® concrete forming manufactured to ISO 9001:2015 high quality standards
- Complete construction documents with stamped and sealed design drawings provided by CUPOLEX® licenced PEs

ADVANTAGES

- High load-bearing concrete designed structures that can exceed HS-20-44 full truck load plus impact
- Custom designed to any layout and depths from 8" (200mm) to 96" (2,500mm)
- Streamlined installation supporting required work loads
- Sand can easily be loaded from above by loader or conveyor.
- Suitable in minimum or no cover applications
- More cost-effective than plastic, pipe and precast tanks
- Modular, quick and easy installation of formwork
- Maximum storage volume up to 98% void space without sand
- Allows for inlet/outlet pipes and cleanout/observation ports installed at any location
- Saves space and money with no constraints from groundwater

