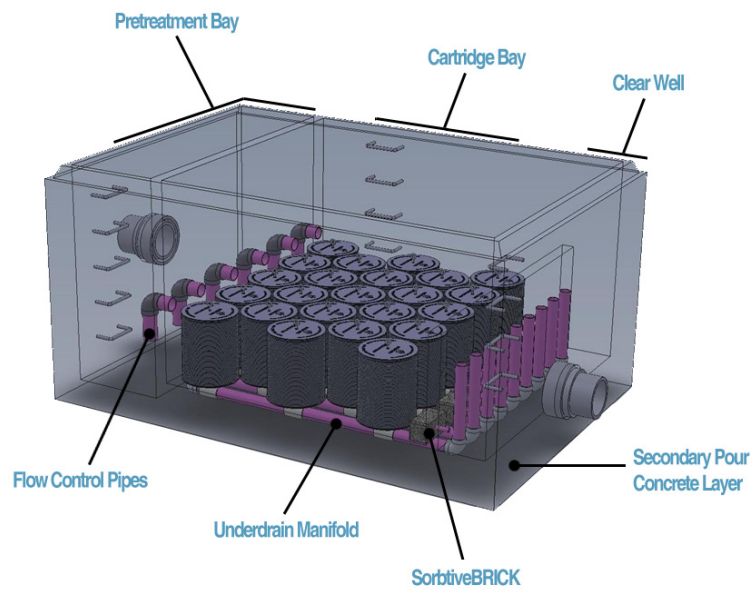


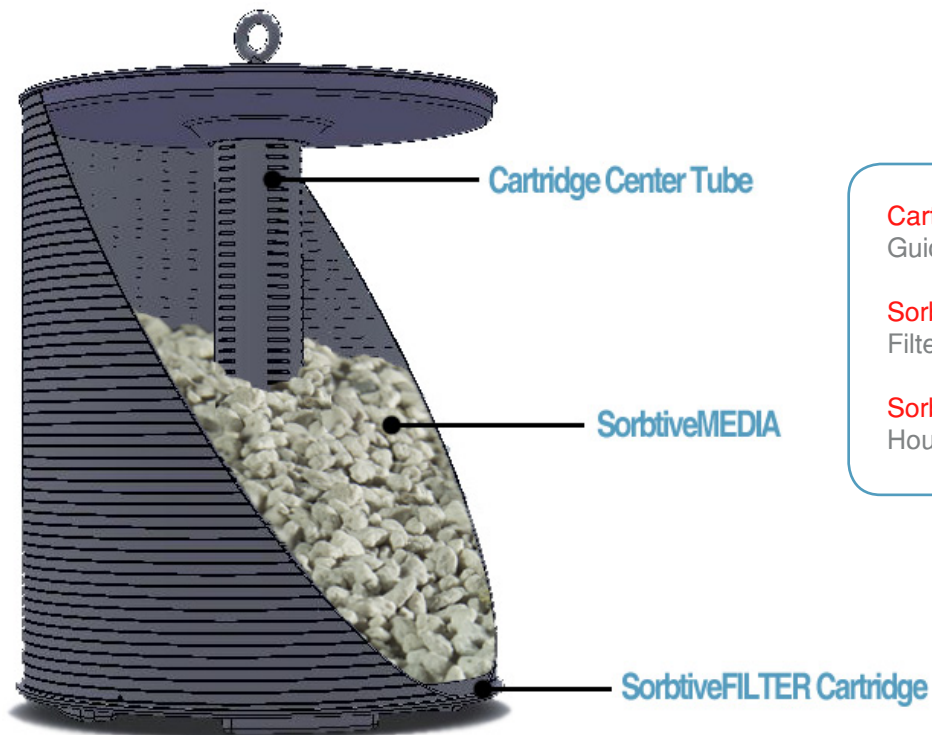
How it works

SorbtiveFILTER - Main Unit



- Pretreatment Bay:**
Captures floatables and coarse sediment
- Flow Control Pipes:**
Engineered for optimum hydraulic loading
- Cartridge Bay:**
Takes in water at a controlled rate
- SorbtiveBRICK:**
Drains unit down, while filtering and sorbing pollutants
- Underdrain Manifold:**
Discharges clean water into clear well
- Clear Well:**
Conveys clean water down stream
- Secondary Pour Concrete Layer:**
Essential protection for piping

SorbtiveFILTER - Cartridge

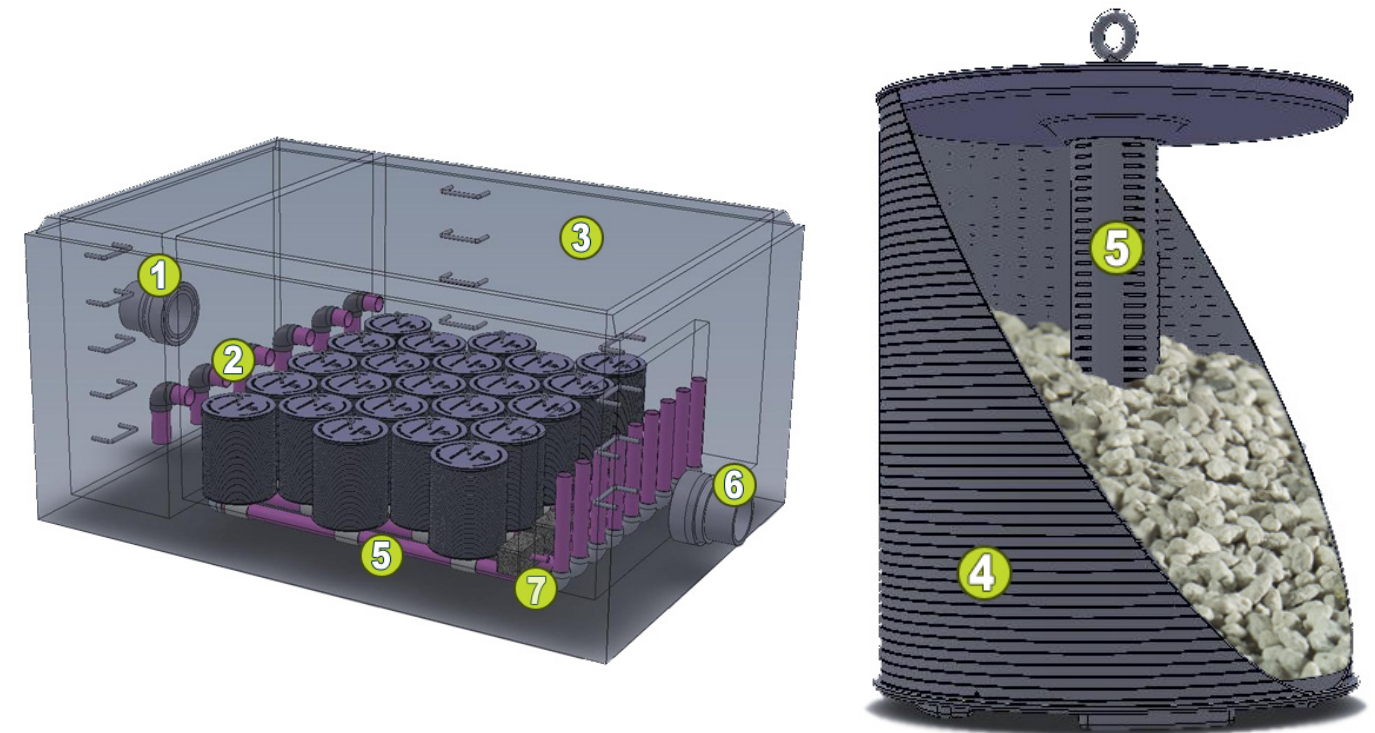


- Cartridge Center Tube:**
Guides treated water flow downward
- SorbtiveMEDIA:**
Filters and Sorbs pollutants
- SorbtiveFILTER Cartridge:**
Houses SorbtiveMEDIA

Maximum Performance

Optimal use of treatment capacity allows for maximum performance. The filling process of the Cartridge Bay and the even flow distribution through the radial SorbtiveMEDIA maximizes the overall sorption capacity for capture of dissolved pollutants. It also maximizes the media's physical filtration ability to capture fine sediment particles within the bulk media void spaces and media internal pores.

The Process



- 1** Incoming stormwater first enters the Pretreatment Bay, where coarse sediment, debris, trash, gross pollutants, oil and other floatables are captured.
- 2** Pretreated water is then conveyed to the Cartridge Bay at a controlled rate by flowing through one or more Inlet Flow Control Pipes.
- 3** Several pollutant removal mechanisms take place within the Cartridge Bay including settling, filtration and sorption.
- 4** Water then enters the SorbtiveFILTER Cartridge radially and is treated by SorbtiveMEDIA.

- 5** The treated water discharges through the Cartridge Center Tube flowing downward into the Underdrain Manifold which discharges into the Clear Well.
- 6** Treated water is conveyed by the downstream storm pipe network as clean water.
- 7** After the storm subsides, water slowly drains out of the Cartridge Bay through the pervious, draindown SorbtiveBRICKs. These SorbtiveMEDIA-treated bricks treat the draindown water in the same manner as the SorbtiveFILTER cartridge.