

**StormTrap®**

MODULAR CONCRETE  
STORMWATER MANAGEMENT

# PUMP PROTECTION SOLUTIONS

— FOR —

**Wastewater,  
Stormwater and  
Combined Sewer Overflow  
(CSO) Discharges**

**PumpGuard®**

StormTrap® is committed to improving water quality and offers effective solutions for removing pollutants within waterways and utility infrastructures. StormTrap's pre-screening solution, PumpGuard®, utilizes disposable mesh nets to capture solids and protect pumps, rotating equipment, disinfection systems and other machinery from potential damage by removing debris from the waste stream.

# ADVANTAGES

## Proven Performance

- More than 20 years of product experience in manufacturing, installing and maintaining netting systems
- 97% removal efficiencies recorded by U.S. EPA-sponsored projects
- Certified by LARWQCB (Los Angeles Regional Water Quality Control Board) for full capture with 5-mm nets



## Trusted Technology

- Three-dimensional netting technology removes floatables, trash, and debris while providing a larger surface area than traditional two-dimensional
- Nets can accommodate a large volume of material (standard sizes - 25-50cf/net)
- Nets do not need mechanical mechanisms to remove blockages, therefore decreasing maintenance frequency

## Quick Installation

- Systems can be installed in pump stations, distribution boxes, channels, manholes or box culverts
- Prefabricated, modular system enables quick installations
- Installation does not require system shutdown
- On-site supervision available on each project

## Efficient Design

- Engineered to meet site-specific requirements, can accommodate any flow
- Modules can be easily retrofit into almost any wastewater or stormwater system
- Utilizes the energy of the water's flow to drive pollutants into nets, no electricity needed
- Variety of net sizes (5mm-1") and configurations that can be easily adapted to specific needs
- Negligible headloss, as system does not rely on head pressure to function
- Trash and debris are contained in nets, avoiding clogging or reweaving of material downstream
- Efficient, cost-effective trash removal solution that extends equipment life cycles
- Avoid operational shutdowns due to equipment maintenance or failure

## Easy Maintenance

- Accessible for inspection and maintenance
- No confined space entry is required, as net change-out is done at the surface
- Net change-out can be completed in less than 30 minutes
- Scales can be attached to lifting equipment to weigh nets
- Long service life, with cost-effective maintenance
- Maintenance contract services are offered through StormTrap
- Remote monitoring available through StormTrap's Telnet technology

## FUNCTIONALITY

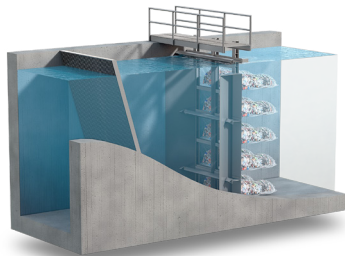
The PumpGuard Net Capture System's primary purpose is to protect pumps, rotating equipment, disinfection systems or any other machinery from potential damage by removing material from the waste stream. PumpGuard can be designed to operate between the primary and secondary clarifiers, in conjunction with lift stations or anywhere the removal of debris and floatables is desired.



## APPLICATIONS

### Headworks

Installed either at the headworks or downstream of the headworks in a wastewater treatment plant to protect equipment such as pumps and disinfection equipment.



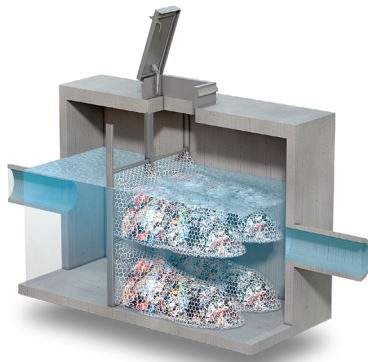
### Junction Chamber

Installed in a junction chamber directly upstream of the outlet pipe. An excellent tool for industrial applications, PumpGuard collects pollutants within the sewer discharge before the water continues in the pipe network.



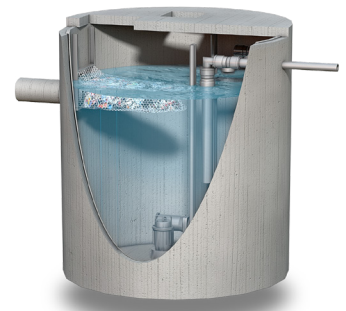
### Precast Box

Installed in a precast box that connects sewer lines. The structure can be easily retrofitted in-line to the existing pipe and maintained because of the ground level access.



### Lift Station

Installed upstream of pumps located at lift stations to prevent suspended solids, carried through the stormwater network, from damaging downstream equipment.





## COMPLETE SERVICE



### Continuing Education

Learn what StormTrap's innovative stormwater solutions can do for your next project while earning PDH credits



### Design

Our experienced stormwater professionals will create a customized design and budget with complete set of drawings for your next project



### Specifications

Download our product guide specifications to easily integrate StormTrap's products into your plans



### Installation

Pre-construction meeting and start-up training  
On-site supervision available during installation



### Maintenance

StormTrap offers replacement net assemblies as well as maintenance contracts to conduct routine net change-out and disposal for optimal product function. Coupling annual maintenance with Telnet technology – solar powered systems that remotely monitor net capacity – ensures efficient, worry-free protection of water quality products



**StormTrap®**

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