

# CONNECTOR PIPE SCREENS (CPS)

A Connector Pipe Screen (CPS) is a metal screen assembly installed inside a catch basin in front of the entrance to a connector pipe that prevents debris from entering the storm drain system. The CPS unit is designed to retain all trash and gross solids larger than 5 mm (0.197 in) in the catch basin. Therefore, the trash capture and storage capacity of this product is dependent upon the size of the catch basin where it is installed. A CPS unit could be used in conjunction with a curb inlet screen cover and/or DrainPac for added effectiveness based on the level of trash and debris that commonly accumulates at the site. This product is listed within both the Los Angeles and San Francisco Bay Regional Water Quality Control Boards' full trash capture certification program. *United Storm Water has installed the most CPS devices nationwide than any other BMP supplier!*

## PRODUCT SPECIFICATIONS

- Manufactured using S-304 perforated stainless steel having 5 mm diameter holes
- Has a minimum overall vertical height of 18 inches
- Has a deflector to prohibit debris from falling behind the screen
- Has an open area of 45% for overflow bypass
- The perimeter of the insert includes a structural frame for stiffness and a bolting surface to fasten the insert to the catch basin floor and wall
- Bottom edge of device is formed to the shape of catch basin floor (maximum 5 mm gap)
- Has a structural integrity to withstand a force of standing water within the catchment area
- Removable front screen available for easy access and cleaning

Overflow Bypass — Deflector



## STANDARD CONFIGURATION- FIXED

Fixed configuration with staff gauge painted on catch basin wall for inspecting drains requiring cleaning



MOSQUITO ABATEMENT  
SAMPLING PORT



REMOVABLE FRONT SCREEN



CUSTOM SHAPES

## CUSTOM VARIATIONS

Custom configurations are designed as needed for nearly any application. Can be configured to be permanently mounted to the catch basin or with a quick disconnect feature for pipe line jetting and to prevent flooding should the system become clogged. The Mosquito Abatement design facilitates water sampling. Catch basins containing CPS units should be cleaned when the screen is  $\leq 40\%$  covered to prevent the possibility of flooding and pollutant overflow into lateral line.

**California State Water Board Approved**  
**Certified full capture devices are custom made to client specifications!**