

FlexStorm Connector Pipe Screen Installation & Maintenance

Installation Instructions

1. Remove manhole cover
2. Enter manhole opening with Connector Pipe Screen (CPS) devices, mounting hardware, and appropriate PPE.
3. Position CPS evenly around the connector pipe (when configuration allows) ensuring a minimum of 4" (102 mm) wall clearance and not encroaching the manhole access opening by more than 4" (102 mm).
4. Loosen the bolts in the slotted holes which connect the screen to the vertical mounting brackets.
5. Mark location of the concrete anchor holes for the CPS mounting flanges.
6. Secure mounting flanges and drill $\frac{1}{2}$ " (12.7 mm) pilot holes to a depth of $\frac{1}{2}$ " (12.7 mm) greater than the length of the ADS supplied fasteners.
7. Secure CPS using ADS supplied concrete fasteners.
8. If the bottom of the screen exposes a gap greater than $\frac{3}{16}$ " (5 mm), an additional extension panel may be fastened to or above the base channel using stainless self-tapping screws or rivets.

When a lid is needed

1. Verify the minimum bypass height needed and mark the bypass height location on the wall centered directly above the screen.
2. Mark location of the concrete anchor holes for the CPS lid mounting brackets.
3. Drill $\frac{1}{2}$ " (12.7 mm) pilot holes to a depth of $\frac{1}{2}$ " (12.7 mm) greater than the length of the ADS supplied fasteners.
4. Secure CPS lid using ADS supplied concrete fasteners.



Frequency of Inspection

Inspection should occur following rain events $>1/2"$ (>12.5 mm). CPS inspections should occur a minimum of 3 times per year and in snowfall affected regions, inspections should be completed prior to and after snowfall season.

Industrial application site inspections (loading ramps, wash racks, & maintenance facilities) to be scheduled on a recurring basis no less than 4 times per year or as needed.

Maintenance Instructions

ADS recommends the use of a vacuum truck to clean out inlet structures with CPS at least two (2) times per year and/or if debris has filled above 40% of the screen height.

1. Remove the manhole cover and insert vacuum hose to remove trash and debris.
2. After maintenance, enter inlet structure and inspect screen for blinding and damage.
3. Remove any compacted silt from CPS device and flush with medium spray.
4. Dispose of all recovered material in accordance with state and EPA guidelines.
5. Optional – Follow any Vector Control provisions and apply anti-mosquito pellets as necessary.

