

GeoCurve Inlet Filter

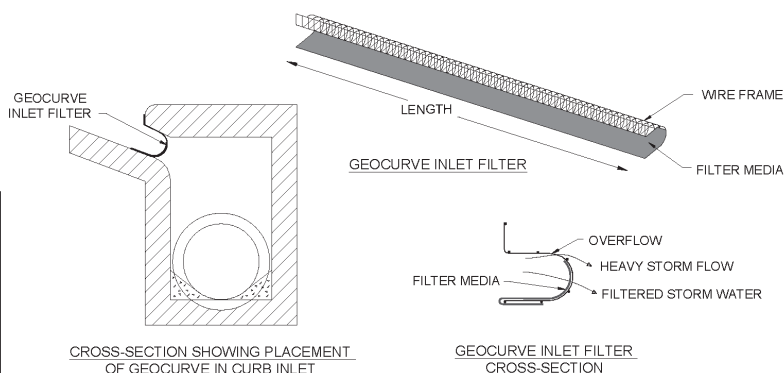
GeoCurve is a filter for curb inlets used to capture debris and sediment transported by stormwater runoff. The device is comprised of a filter media (woven monofilament filter fabric) affixed to the lower portion of a "C" shaped 12-gauge welded wire frame (2" X 4" openings) with an upper retention flange. It effectively filters stormwater, can easily be removed for maintenance and cleaning, and incorporates an overflow window for heavy storm events.

The device easily installs into the throat of the curb inlet eliminating any exposed elements that may pose hazard to traffic or pedestrians. The GeoCurve's shape allows for collection inside the throat of the inlet capturing unsightly trash and sediment making for a more aesthetic solution. Incorporating a high-flow filter fabric and an overflow opening that will provide efficient filtering, the GeoCurve still allows for a high flow of water during heavy storm events. GeoCurve filter is easily maintained by removing the device and dumping the captured debris and sediment in a designated location. Once the accumulated debris has been removed, the unit can be reinstalled for continued service. The GeoCurve inlet filter has been hydraulically tested with excellent results. The device was able to handle flow rates of 350 gallons per minute without water backing up into the street.

GeoCurve:

- completely covers the opening of the inlet and is installed without protruding parts that could be a traffic, worker, or pedestrian hazard
- does not cause flooding when it clogs with debris
- sand bags not necessary to secure or weigh down unit
- is attached in a way that it can be easily removed
- maximizes pollutant reduction
- inexpensive maintenance

Property	ASTM TEST METHOD	VALUE
Fabric Weight	D 3776	4.5 oz/sy
Grab Tensile Strength	D 4632	170 lbs
Mullen Burst Strength	D 3786	410 lbs/sq in
UV Stability	D 4355	80%
Water Flow Rate	D 4491	325 gal/min/sf



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