

CATCH BASIN SEDIMENT TRAP

Layfield's Catch Basin Sediment Trap (CBST) is an economical and effective method to protect you from costly clean-up work. CBSTs remove silt and particulate matter from runoff water, preventing the failure of the stormwater system and protecting the downstream aquatic environments from siltation.

The CBST design includes a high-strength lifting strap and relief overflow slots at the top of the cylindrical filter section area extending into the catch basin and a flat apron. The apron sits between the grate and the catch basin edge and is supported by a wire frame which adjusts to fit most standard catch basins.

Dec 2023		Catch Basin Sediment Trap- Material Specification	
Material Properties	Style	ASTM Test	Value
	Material: Non-Woven, Polypropylene Geotextile	----	----
	Grab Tensile	D 4632	205 lbs.
	Elongation at break	D 4632	50%
	Trapezoid Tear	D 4533	85 lbs.
	Puncture	D 4833	525 lbs.
	CBR Puncture	D 4751	600 lbs
	Mullen Burst	D 3786	420 psi
	Permittivity	D 4491	1.4 sec ⁻¹
	A.O.S. (U.S. sieve no.)/ Microns	D 4751	80/ 180
	UV Stability (strength retained %) 500 Hours	D 4355	70 %
	Fabric Weight (oz./yd ²)(typical)	D 5261	8 oz/ yd ²
	Flow (through material)	D 4491	90 gpm/ft ²
	Flow (bypass ports gpm) ¹	----	770 gpm
	Flow (bypass ports cfs) ¹	----	1.7 cfs
Unit Specification			

Dec 2023		Catch Basin Sediment Trap Unit Specification			
Model	Oil Capture	Sediment Capture	Collection Area	Flow Rate	Dimensions
Oil & Sediment ²	.87 Gal	40 lbs	10" x 18"	500 gpm	48" x 36" x 18"

1) Larger bypass flow rate designs are available.

2) Curb-Insert Style available

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