



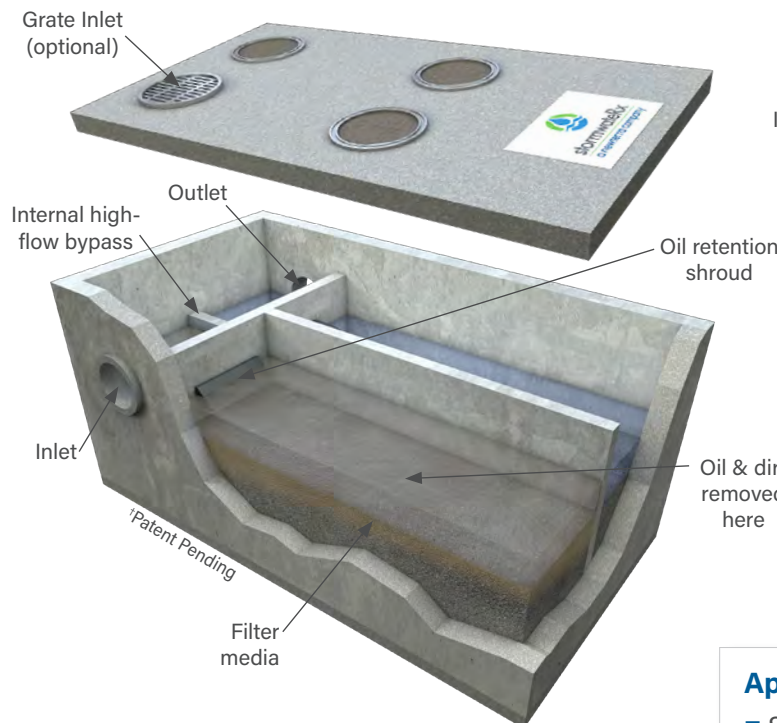
Clara[®] Filter

suspended solids removal

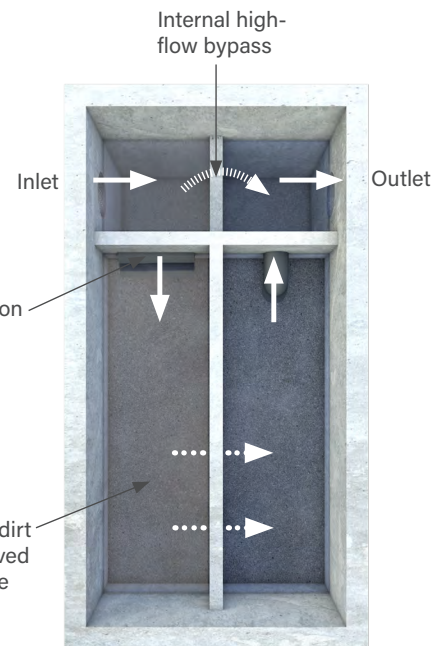
Clara[®] Filter Advantages

- Removes free oil, trash, suspended solids, metals and other pollutants from stormwater runoff.
- System is housed in a concrete structure with access through manhole or hatch openings.
- Extends maintenance interval of downstream treatment BMPs
- Typical suspended solids (TSS) reduction is greater than 70%, with demonstrated reduction up to 90%.

Clara (KLAR-uh) Filter is a patent pending[†], passive media filter that can serve as standalone treatment or as a pretreatment BMP. The system operates by gravity—no power and no mechanical or moving parts to malfunction. Its media is formulated for high-flow and high sediment loading.



Target Pollutants	
Free oil	Metals
Sediment	Floatables & trash



Applications

- Site where high-rate stormwater filtration is desirable
- Sites with high particulate (TSS) loading
- Sites close to benchmarks

Options

- Optional integrated pump system to discharge to polishing filter

Model	Treatment Rate (gpm)	Buried Footprint (ft x ft)	Sediment Capacity (cu yd)	Oil/Floatable Storage (gal)
25	160	7 x 9	0.5	100
40	300	7 x 13	1.0	180
70	480	8 x 16	2.1	280
90	600	9 x 17	2.6	360
110	760	11 x 17	4.2	460
210	1,400	11 x 28	7.5	810

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Clara[®] Filter

Performance



How to read the plot:

Before treatment

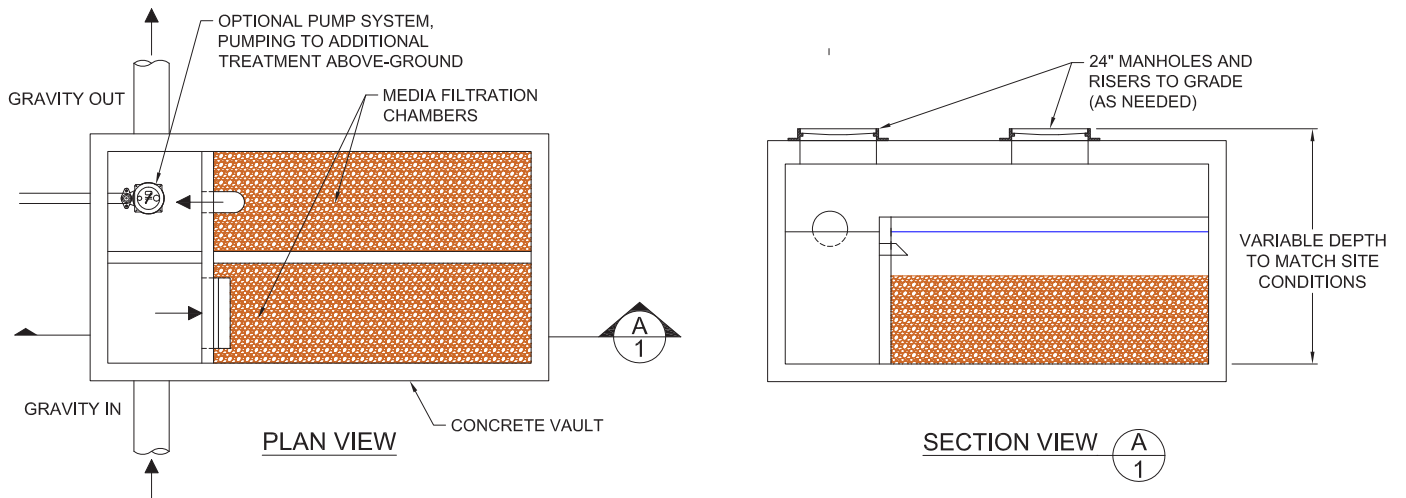
After treatment

Reported values are median of respective sample sets.

Box Range = 25th - 75th percentile

Whisker Range = 5th - 95th percentile

Configuration



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