

Hydroguard

Hydrodynamic Separator



Product Info

Hydroguard efficiently removes oil, trash, and TSS (suspended solids and their associated metals, nutrients, bacteria), from stormwater runoff which is required in NDPS permits and the Clean Water Act.

Applications

Hydroguard is used as a standalone treatment solution for urban retrofit and redevelopment applications; as part of a treatment train for new developments; and as a pretreatment device for infiltration, underground storage, and bio-retention.



Features

- Treats low and high flows
- Separate low flow path prevents scour at high flows
- Separate high flow path captures floatables and trash
- Captures oil spills, TSS and trash
- Lower Cost compared to other competitors
- Small footprint to avoid conflicts with other services
- Engineered for traffic loading
- Can be used as a inlet or a bend structure
- Sized based on independent TSS removal results
- Vertical baffles and multiple access points for easy maintenance
- Minimum elevation drop from inlet to outlet



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Sizing & Design

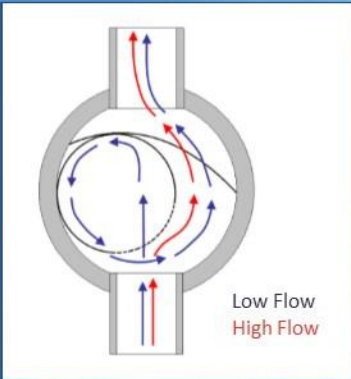
Sized based on independent laboratory testing results. Rated by numerous agencies (NJDEP, 2011; ConnDOT, 2010 for water quality flow rates)





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HYDROGUARD WATER QUALITY FLOW RATES (cfs)					
Model	NJDEP* (70 um)	ConnDOT* (100 um)	NH** (OK110)	150 um**	200 um**
HG 4 / HG 4i	0.8	1.1	0.9	1.3	1.6
HG 5	1.3	1.7	1.4	2.1	2.5
HG 6	1.8	2.6	2.0	3.0	3.6
HG 7	2.5	3.6	2.7	4.1	4.9
HG 8	3.2	4.9	3.6	5.4	6.4
HG 10	5.0	8.2	5.6	8.4	10.0
HG 12	7.2	12.5	8.0	12.1	14.4

*60% Annual TSS Removal

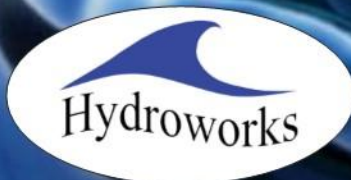
**80% TSS Removal at WQF



Hydroworks will design a unit for you or you can download our free design software at www.hydroworks.com

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For more information, call your local Hydroworks representative:



*Over 3000 installations in North America.
 Approval letters and certifications from over a dozen agencies in both the United States and Canada.*