

Up-Flo® Filter

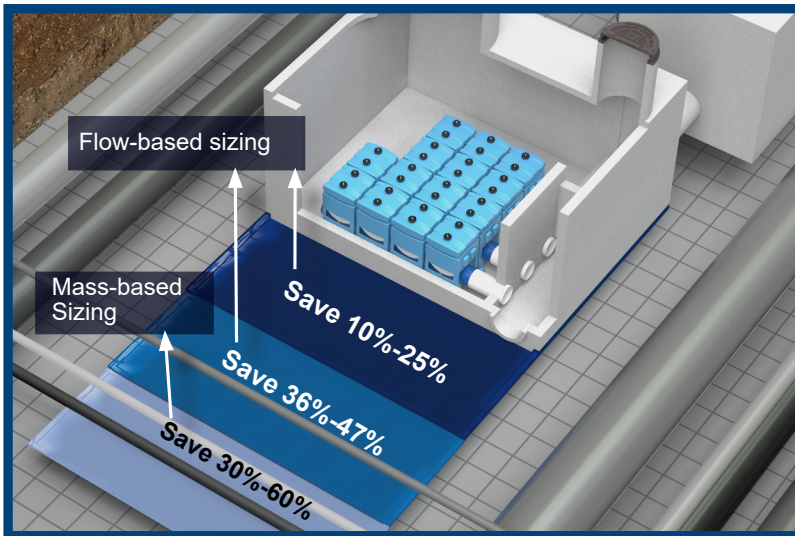
Extended Maintenance Cartridge (EMC)

Product Summary

Smallest Footprint. Guaranteed.

Up-Flo® Filter Extended Maintenance Cartridge is a high performance, low-maintenance filtration system designed to optimize site space and extend duration between maintenance cycles.

Square media cartridges stack neatly together to best utilize space while high performance numbers ensure the smallest possible structure to save contractors and end users time and money.



Whether sizing is based on water quality **flow rate** or **drainage area**, Up-Flo® Filter Extended Maintenance Cartridge is a variant of Up-Flo® Filter that will out-perform all other NJDEP certified filters to fit within the smallest possible footprint.

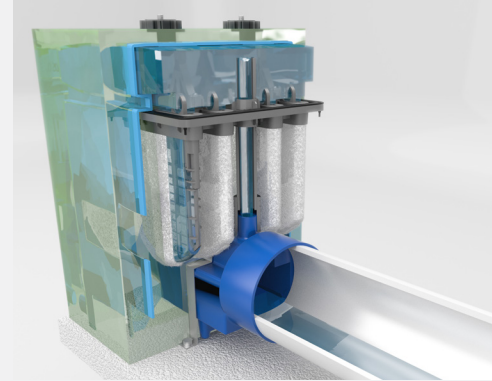
The average engineer can expect to save **30%-60% site space** when specifying Up-Flo® Filter Extended Maintenance Cartridge.

Applications

- » Sites requiring 80% TSS removal
- » Removal of sediment, nutrients and metals from runoff
- » Source control for redevelopment or new construction
- » Treatment downstream of detention systems
- » Sites operating under industrial or multi-sector general permits
- » Protection for groundwater recharge systems
- » LEED® construction projects

How it Works

Self-Cleaning Cartridges save Money!



Self-cleaning membrane cartridges extend media life and save end users money by going longer between maintenance cycles

1. As stormwater enters the treatment chamber and begins to rise, it enters individual filter cartridges, each of which contain filtration media designed to capture coarse and fine particle pollutants.
2. The water level continues to rise and the backwash tank is filled with filtered water.
3. Treated water drains into integrated drainpipes to the outlet chamber. Once activated, the siphon boosts the treatment flow rate of each cartridge.
4. When water levels drop below the cartridge release point, the siphon breaks and releases the stored water in the backwash tank. Flow is momentarily reversed through the filtration media. The self-cleaning process dislodges pollutants.

Benefits

High Performance. Low Maintenance.

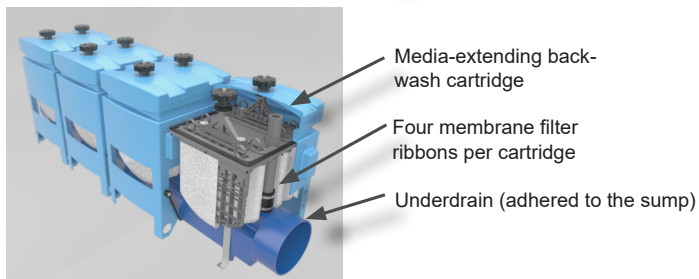
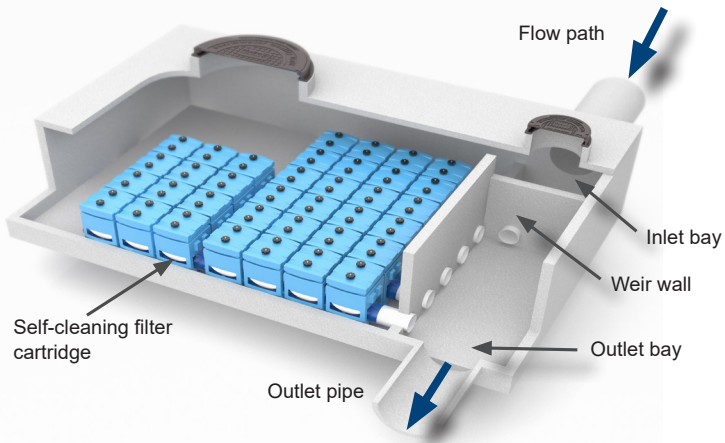
- » NJCAT verified and NJDEP certified for 80% TSS removal
- » Reduce land take and installation costs by treating the highest flow rate and drainage area in the smallest possible structure size
- » Self-cleaning filter cartridges extend time between maintenance cycles and save end users money
- » Four different size cartridges enable engineers to address varying drainage areas and driving heads
- » More regulatory approvals than any other filter in North America



Stormwater Solutions

→ hydro-int.com/up-flo-filter

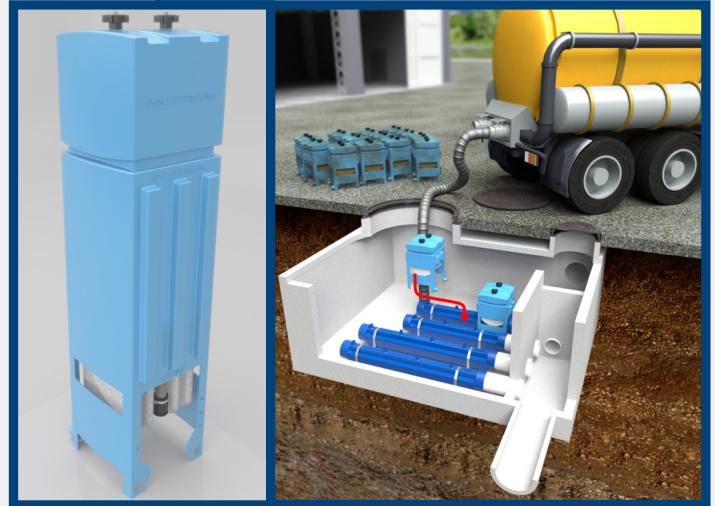
Product Profile



Maintenance

There are two options for maintenance depending on site needs:

1. Save time with complete refurbished units inspected and certified by Hydro International
2. Save money by replacing only the membrane media ribbons



Vault Size (ft x ft)	Cartridge Height 18"			Cartridge Height 27"			Cartridge Height 36"		
	Max # Cartridges	MTFR (cfs)	Max Treatable Area (acre)	Max # Cartridges	MTFR (cfs)	Max Treatable Area (acre)	Max # Cartridges	MTFR (cfs)	Max Treatable Area (acre)
4 x 4	6	0.071	0.37	6	0.118	0.51	6	0.165	0.71
4 x 6	11	0.134	0.68	11	0.218	0.94	11	0.303	1.29
4 x 8	15	0.180	0.93	15	0.296	1.28	15	0.412	1.76
6 x 6	17	0.205	1.06	17	0.336	1.45	17	0.468	2
6 x 8	24	0.290	1.49	24	0.475	2.05	23	0.633	2.7
6 x 10	31	0.374	1.93	30	0.595	2.57	30	0.827	3.53
6 x 12	38	0.459	2.36	37	0.733	3.16	35	0.965	4.12
6 x 14	45	0.541	2.8	44	0.871	3.76	41	1.130	4.82
8 x 8	32	0.385	1.99	31	0.613	2.65	30	0.827	3.53
8 x 10	41	0.495	2.55	40	0.791	3.42	38	1.047	4.47
8 x 13	55	0.664	3.42	49	0.969	4.19	50	1.377	5.88
8 x 14	59	0.711	3.67	57	1.130	4.87	53	1.459	6.23
8 x 15	63	0.760	3.92	61	1.208	5.22	57	1.571	6.7
8 x 18.5	80	0.965	4.98	75	1.484	6.41	70	1.927	8.23
8 x 24	100	1.203	5.00	95	1.884	7.60	88	2.431	10.56

48" cartridges are not yet commercially available.



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🌐 Web: www.hydro-int.com/up-flo-filter

UFF EMC SS A 2203

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Access the Operation & Maintenance Manual

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