

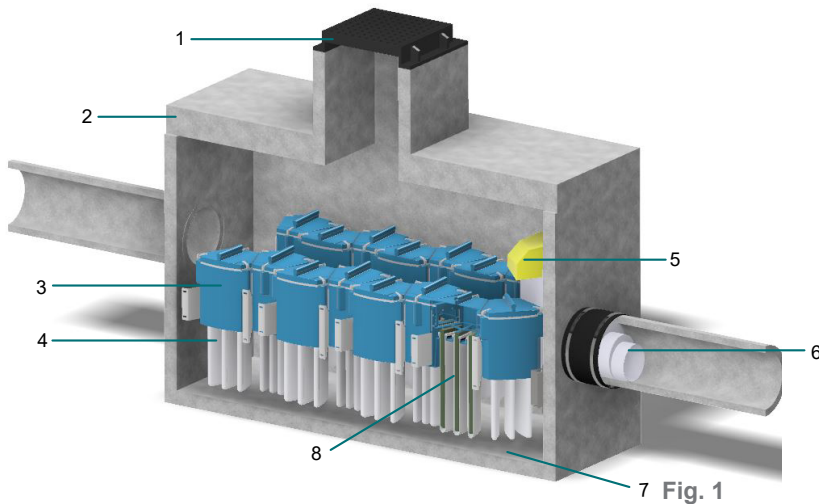
# Up-Flo® Filter

The Easiest Kind of Clean

## Product Summary

### Hassle-Free Treatment

Up-Flo® Filter was designed to make all aspects of specification, installation, and maintenance easy. A module cartridge system makes sizing and scaling simple while durable, lightweight media maximizes surface area so it can go longer between maintenance cycles.



## Product Profile

- |                               |                             |
|-------------------------------|-----------------------------|
| 1. Inlet grate                | 5. Bypass Hood/Siphon       |
| 2. Precast Filtration Chamber | 6. Outlet Module            |
| 3. Filter Module              | 7. Pollutant Storage Sump   |
| 4. Filter Ribbon              | 8. Cutaway of Filter Ribbon |

## 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

Powerful Treatment that's not Complicated

Water flows upwards through filter media ribbons (see Fig.2) made of polyethylene felt, a particle-seizing web material designed to capture very fine particulates.

Oil and floatables rise to the surface while sediment settles in the sump

During peak flows, excess water is siphoned through the yellow bypass hood (see Fig 1) which also prevents the escape of oil and trash. As water levels return to normal, captured pollutants are washed off filter ribbons, preventing blinding and prolonging the life of the ribbon.

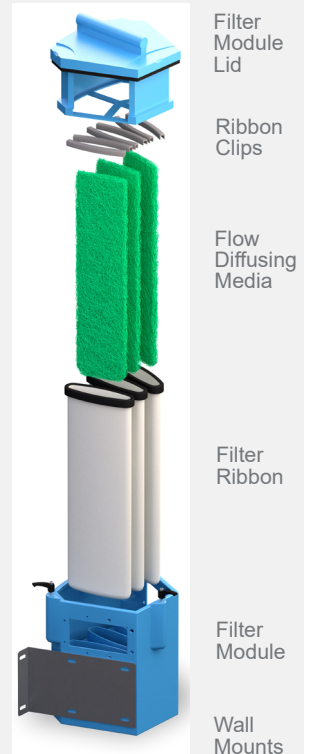


Fig. 2

## Benefits

### High Performance. Low Maintenance.

- » Flexible design enables the treatment of any size catchment area
- » No-hassle installation of lightweight modules and ribbon media
- » Efficient and durable media means less maintenance, less often
- » Economical media replacement process requires neither heavy lifting equipment nor purchase of entirely new cartridge
- » Includes an integral high flow bypass and trap for oils and trash



**Stormwater Solutions**

→ [hydro-int.com/up-flo-filter](http://hydro-int.com/up-flo-filter)

## Up-Flo Filter Sizing Chart

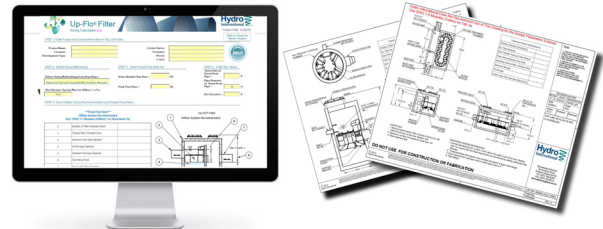
The modular design of the Up-Flo® Filter ensures that project-specific treatment goals are easily met. Standard and typical dimensions are listed below. Use our sizing calculator to determine appropriate site-specific sizing.

| Criteria                    | Units            | New Jersey |       | Washington |      |
|-----------------------------|------------------|------------|-------|------------|------|
|                             |                  | 285R       | 450R  | 285R       | 450R |
| Maximum Treatment Flow Rate | GPM              | 15         | 10    | 10         | 15   |
| Treatment Area              | Acres per Module | 0.014      | 0.025 | 0.28       | 0.42 |
| Sump                        |                  | 24         | 36    | 24         | 36   |
| Operating Head              |                  | 26         | 23    |            | 30   |
| Drop                        |                  | 11.5*      |       |            |      |
| Height                      |                  | 78*        |       |            |      |
|                             |                  |            |       |            |      |

\*Note: Contact Hydro for site-specific needs

Table 1.

### FREE Up-Flo® Filter Sizing Calculator for Engineers



This simple tool will recommend the best filter size and arrangement based on site-specific data entered by the user.

Go to [hydro-int.com/filtersizing](http://hydro-int.com/filtersizing) to access the tool

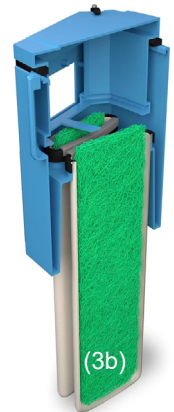
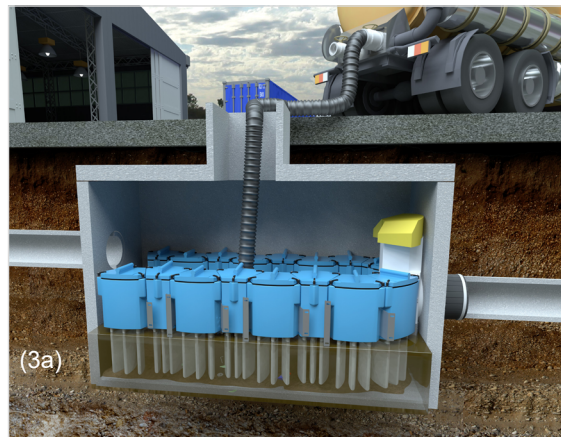
## Maintenance

### The ONLY filter with lightweight media bags for easy removal and maintenance!

**Easy:** Maintenance is simple with easy access to the sump and replaceable media packs. A vacuum truck is used to remove sediment and debris from the sump (Fig.3a).

**Lightweight:** Unlike other filter systems whose media cartridges weigh upwards of 250lbs, our light-weight media ribbons can be manually replaced without removing the entire module (Fig.3b).

**Need Help?** Our prompt, friendly service teams are happy to take the dirty work off your hands. Call us for a quote at 1 (800) 848-2706.



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### Download Drawings!

→ [hydro-int.com/uff-drawings](http://hydro-int.com/uff-drawings)

### Access the Operation & Maintenance Manual

→ [hydro-int.com/uff-ribbon-om](http://hydro-int.com/uff-ribbon-om)