

**HYDRO FRAME AND COVER (INCLUDED)**  
 GRADE RINGS BY OTHERS AS REQUIRED

**CAPACITIES:**

- Minimum performance: 80% TSS removal at NJCAT/Washington DOE\* verified peak treatment flow rates.
  - Peak treatment flow:  
 NJCAT .033 CFS (0.9 LPS) (15 GPM) per module (285R Ribbons)  
 NJCAT .022 CFS (0.6 LPS) (10 GPM) per module (Long 450R Ribbons)
  - Ribbons  
 NJCAT .056 CFS (1.6 LPS) (25 GPM) per module (CPZ)
  - Maximum number of ribbon modules per outlet module: 36
  - Maximum number of CPZ modules per outlet module: 18
- Counts are maximum number of filter modules that can be connected to one outlet module in the largest vaults. Contact Hydro if more are required.
- \* See WA DOE GENERAL USE LEVEL DESIGNATION FOR BASIC (TSS) AND PHOSPHORUS TREATMENT report.

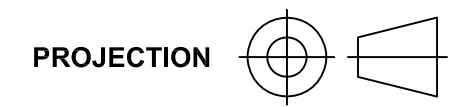
**ADDITIONAL DESIGN INFORMATION:**

- Normal operating W.S.E. is 26-30" (660-762mm) above the outlet invert
- Available Media Types: Ribbons, CPZ
- CPZ Filter will require 9 1/2" minimum drop if downstream from storage.
- Ribbon Filter will require 11 1/2" drop if downstream from storage.
- Pipe size and angles may add" to the vault length (contact Hydro for a site specific drawing)
- For inside vault heights under 72in contact Hydro
- Unit shall conform to HS20-44 load ratings

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY RESPONSIBILITY FOR ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL.  
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**CONTRACTOR NOTES:**

1. STRUCTURE WALL AND SLAB THICKNESS ARE NOT TO SCALE.
2. CONTACT HYDRO INTERNATIONAL FOR PRECAST DRAWINGS OR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING THE STRUCTURE.
3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE Ø AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.
4. CONTRACTOR IS RESPONSIBLE FOR MATERIALS AND LABOR TO BRING CASTINGS TO FINISHED GRADE.
5. ACTUAL DEPTH OF STRUCTURE MAY VARY DEPENDING ON AVAILABLE PRECAST FORMS.
6. CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
7. SUMP DEPTHS:  
 CPZ AND 285R RIBBONS: 24"  
 450R Ribbons: 36"
8. NOT ALL SIZES AVAILABLE IN ALL AREAS



**IF IN DOUBT ASK**

DATE: 3/22/2023	SCALE: 1:35	
DRAWN BY: EHR	CHECKED BY: WCS	APPROVED BY: MRJ

Title  
 UP-FLO FILTER  
 6ft X 12ft

16 MODULES MAX  
 W/ INTERNAL BYPASS

Patent: [www.hydro-int.com/patents](http://www.hydro-int.com/patents)



WEIGHT:	MATERIAL:
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STOCK NUMBER:

DRAWING NO.:  
 6x12 UFF GA INTERNAL BYPASS

SHEET SIZE: B	SHEET: 1 OF 1	Rev: -
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