

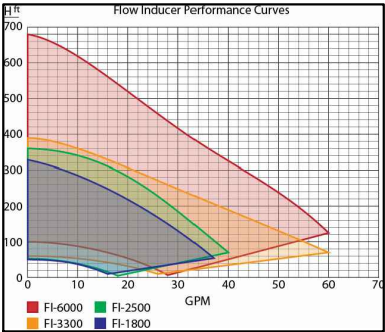
Industrial duty, high efficiency, self-cleaning, below ground filtration system.

- \* Variable installation depth from 31-59 inches
- \* Flush installation at ground level
- \* Only 7.87" height offset between inlet and outlet
- \* 0.35mm (.01") mesh filter
- \* Lockable childproof cover
- \* Optional Opticlean® Sprayhead
- \* Available with vehicle-loading cast iron lid
- \* Over 95% yield
- \* Self-cleaning filter
- \* 6" and 8" connections
- \* Max. 8,000 sq. ft. with 6" connections
- \* Max. 16,000 sq. ft. with 8" connections

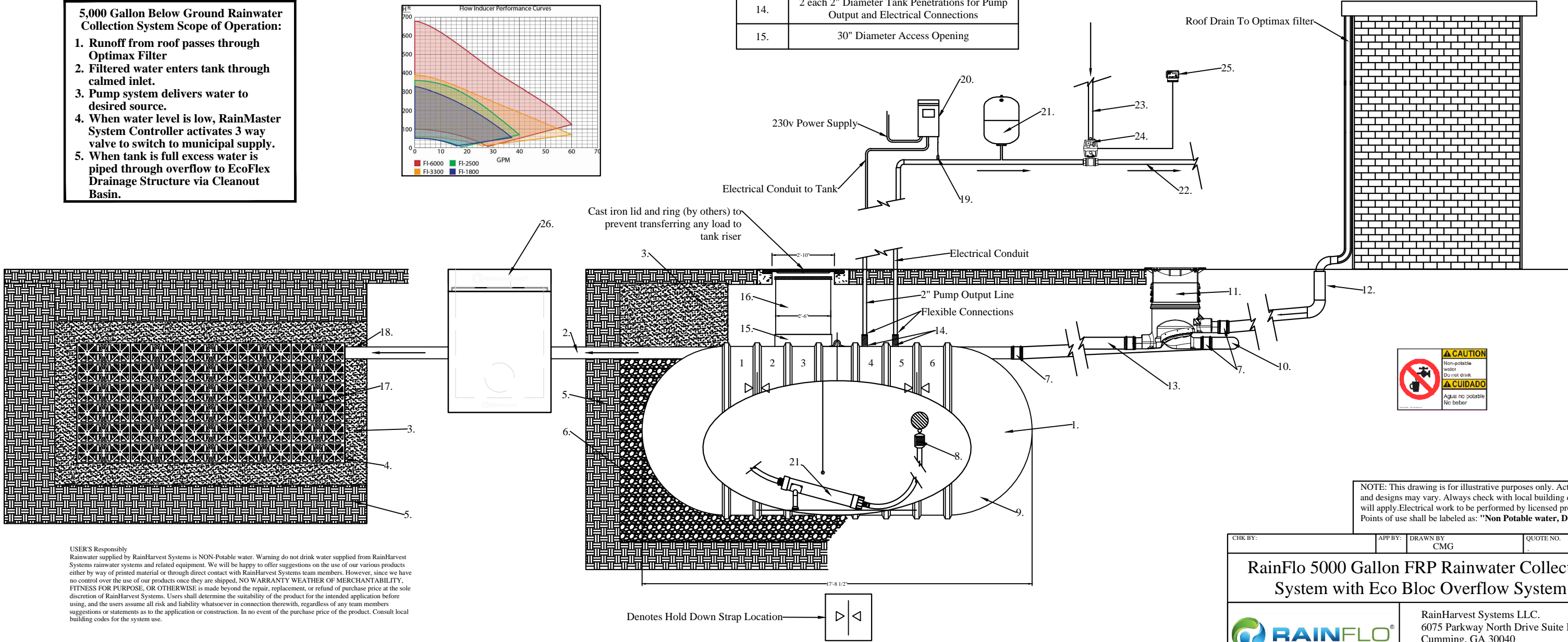
## GRAF Optimax Industrial Filter Detail

### 5,000 Gallon Below Ground Rainwater Collection System Scope of Operation:

1. Runoff from roof passes through Optimax Filter
2. Filtered water enters tank through calmed inlet.
3. Pump system delivers water to desired source.
4. When water level is low, RainMaster System Controller activates 3 way valve to switch to municipal supply.
5. When tank is full excess water is piped through overflow to EcoFlex Drainage Structure via Cleanout Basin.



Legend	
1.	8' Diameter Single Wall Fiberglass Tank 5,000 Gallons, 17'-8.5" Length
2.	8" PVC Overflow to Clean Out Basin
3.	Sand or approved equivalent backfill
4.	Geotextile Fabric Around Drainage Blocks
5.	Compacted Soil
6.	Gravel Backfill or Equivalent
7.	Ferco Type Flexible Coupler
8.	2" Floating Pump Extractor with 2" Suction Hose and 1.2mm Stainless Steel Screen Intake
9.	6" PVC Calming Inlet to Prevent Disturbance of Sediment on Bottom
10.	6" Clean Water Inlet from GRAF Filter
11.	Graf Industrial Optimax Filter Product Number 340035/340036
12.	Rain Water Input from Roof
13.	Debris Flushed out to Clean Out Basin with Overflow and Tied into Drainage Structure
14.	2 each 2" Diameter Tank Penetrations for Pump Output and Electrical Connections
15.	30" Diameter Access Opening
16.	30" PVC Access Riser and FRP Lid
17.	Eco Flex Drainage Cell Size TBD
18.	Inlet from Clean Out Basin
19.	Transducer for Pump Controller
20.	Variable Speed, Balanced Flow Pump Controller with Transducer, Input voltage: single-phase, 230Volt, two (2) wire grounded system.
21.	RainFlo FI-1800 1.5HP 29GPM @ 60 PSI, Variable Speed Pump and Housing with 2" Stainless Steel Floating Extractor
22.	Line to Irrigation/ Usage/ Other
23.	Municipal Water Supply
24.	Motorized 3Way Valve
25.	Aqua Control, Monitors Tank Level and Controls 3Way Valve
26.	48" Precast Cleanout Basin



USER'S Responsibility  
Rainwater supplied by RainHarvest Systems is NON-Potable water. Warning do not drink water supplied from RainHarvest Systems rainwater systems and related equipment. We will be happy to offer suggestions on the use of our various products either by way of printed material or through direct contact with RainHarvest Systems team members. However, since we have no control over the use of our products once they are shipped, NO WARRANTY WEATHER OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE is made beyond the repair, replacement, or refund of purchase price at the sole discretion of RainHarvest Systems. Users shall determine the suitability of the product for the intended application before using, and the users assume all risk and liability whatsoever in connection therewith, regardless of any team members suggestions or statements as to the application or construction. In no event of the purchase price of the product. Consult local building codes for the system use.