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

- Variable installation depth from 31-59 inches
- Flash installation at ground level
- Only 7.87" height offset between inlet and outlet
- 0.35mm (.01") mesh filter
- Lockable childproof cover
- Optional Optiflex® Spreaderhead
- Available with vehicle-loading cast iron lid
- Over 95% yield
- Self-cleaning filter
- 6" and 8" connections
- Max. 5,000 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. 6" PVC Overflow Line to Clean Out Basin
3. Sand or approved equivalent backfill
4. Geotextile Fabric Around Drainage Blocks
5. Compacted Soil
6. Grid Buckfill or Equivalent
7. Fense Type Flexible Coupler
8. 2" Floating Pump Extractor with 2" Section Hose and 1.2mm Stainless Steel Screen Intake
9. 2" 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: 34033-340056
12. Rain Water Input from Roof
13. McHira Handled cast iron Drain Basin with Overflow and Tied into Drainage Structure
14. Each 2" Diameter Tank Penetrations for Pump Output and Electrical Connections
15. 10" 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
21. SHP 20GPM (g ot 60 PSI, Variable Speed Pump and Housing with 2" Stainless Steel Floating Extractor
22. Line to Irrigation/Usage/Other
23. Municiple Water Supply
24. Metered 3 WAY Valve
25. Aqua Control, Monitors Tank Level and Controls 3WAY Valve
26. 48" Precast Cleanout Basin

RainFlo 5000 Gallon FRP Rainwater Collection System with Eco Bloc Overflow System

RainFlo 5000 FRP Rainwater Collection System:

- GFX Optimax Industrial Filter
- Sediment on Bottom
- Only 7.87" height offset between inlet and outlet
- Variable installation depth from 31-59 inches

RainFlo FI-1800

Motorized 3 WAY Valve

Variable Speed, Balanced Flow Pump Controller

Motorized 3 WAY Valve

NOTE: This drawing is for illustrative purposes only. Actual systems and designs may vary. Always check with local building codes as they will apply. Electrical work to be performed by licensed professional. Points of use shall be labeled as: "Non Potable water. Do Not Drink!"