GRAF Carat S 1700 Gallon Underground Tank Specifications:

- Variable installation depth from 35-59 inches
- Flush installation at ground level
- Only 3.5" height offset between inlet and outlet
- 0.35mm (.01") mesh filter
- Lockable childproof cover
- Adjustable Riser and Childproof Lid
- 0.35mm (.01") mesh filter
- Splash Guard for Rainwater System Controller
- 0.35mm (.01") mesh filter
- Variable burial depth: 30" to 42" (59" Max. with optional dome extension and "Maxi" telescopic riser)
- Self-cleaning filter
- Secure investment with market leading 15-year warranty
- Unique fit accuracy of the components thanks to new production process
- Easy to maintain and prevents disturbance of the fine sediment layer at the bottom of tank
- Groundwater stable up to the middle of the tank due to extremely rigid construction
- Made from high quality Duracast; easy to recycle
- Can be expanded as required

Graf 1700 Gallon Carat Tank End View

GRAF Optimax Industrial

- Top Connection is not Used. (C.)
- Bottom Connection is used, typical for Ext Tanks. (D.)

RainFlo115V Automatic Pump Controller fully automated pump operation and provides run dry protection.

- Low water shut-off (LWS) and overflows.
- 1-1/4" Bulkhead Fitting for plumbing thru tank or riser assembly
- 115v Power supply
- 6" Overflow drain to storm drain or other.
- 6" PVC Optimax Filter Overflow and Debris Flush
- 6" PVC  from Roof Gutters and Downspouts
- 6" PVC Optimax Filter Overflow and Debris Flush
- 6" PVC Optimax Filter Overflow and Debris Flush
- 2Fernco Couplers for Pipe Connection to Optimax
- 2" Screened Tank Vent (Typical for Ext Tanks) if Top Connection is not used: (C.)

Graf 1700 Gallon Carat Tank Side View

Legend B

A. GRAF Carat S 1700 Gallon Underground Extension Tank (C)
B. GRAF Carat S 1700 Gallon Underground Extension Tank (C)
C. 6" Schedule 40 PVC Pipe for Venting
D. 4" Pipe Gasket
E. 2" Schedule 40 PVC Pipe Linking Tanks
F. 2" Banjo Bulkhead Fitting
G. Gravel Base (657) and Backfill (689 or Pea)
H. Native Soil Backfill (Above Tank)
I. Riser Extension for Tank Access if Needed (12"
J. Screened Tank Vent (Typical for Ext Tanks) or Top Connection is not Used: (C.)

RainFlo Rainwater 3400 Gallon Graf Collection System with Aqua Control and 3Way Valve

Legend A

1. GRAF Carat S 1700 Gallon Underground Tank
2. GRAF Optimax High efficiency, self-cleaning, below ground filtration system.
3. Tank Dome with Sealing Gasket.
4. RainFlo115V Automatic Pump Controller fully automated pump operation and provides run dry protection.
5. 6" Overflow drain to storm drain or other. Typically PVC S&D or Schedule 40 Pvc.
6. 1- 1/4" Bulkhead Fitting for plumbing thru tank or riser assembly
7. 115v Power supply
8. Overflow siphon with mosquito and rodent stop
9. GRAF 1-1/4" Floating Pump Extractor with 1200 Micron Screen Mesh
10. RainFlo-1.25 HP Submersible Rainwater Pump
11. OptiMax 115V Power Supply
12. Adjustable Riser and Childproof Lid
13. 4" Fernco Couplers for Pipe Connection to Optimax
14. Clean water Outlet On Graf Optimus to Rain Collection Tank
15. Control Box and Water Level Sensor for Aqua Control (Rainwater System Controller)
16. Brass 3Way Valve with 24v Motorized Actuator and 1-1/4" Connections
17. Municipal Water Supply Connection to 3 Way Valve
18. Pump Control and 3 Way Valve Control Detail
19. Input from Tank Level Sensor
20. 24vac Transformer