

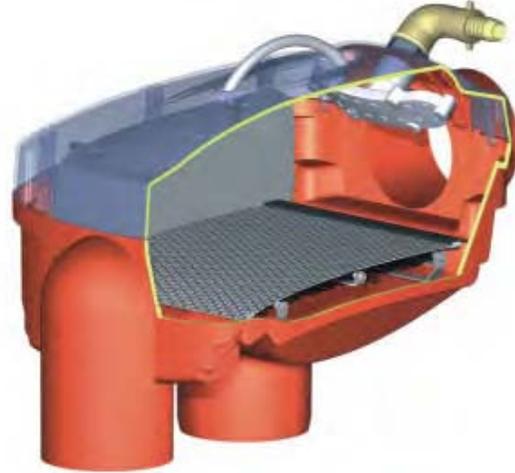
## Instruction for installation and maintenance Optimax-Pro Filter internal

### Manual applies to:

**Optimax-Pro Filter internal**  
**Item No.: 340037**

*and*

**Filter package 3**  
**Item No.: 342005**



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# 1. General advice



**Please read and follow all instructions provided by this manual. In case of non-compliance, any warranty claim is void. For every accessory supplied by GRAF you will receive separate installation instructions which will be enclosed in the transport packaging.**

**Any missing instructions have to be requested immediately.**

**Previous to installation and mounting, it is necessary to test all components for possible damages.**

## 1.1 Safety

For all work performed, please observe the relevant domestic rules for accident prevention.

Furthermore all relevant rules and norms should be observed during installation, assembly, maintenance and repairing. Please find relating advice in the respective chapters of this instruction manual.

The installation of this rainwater harvesting system and its different components should be performed in a professional manner and according to the enclosed instruction manual.

For all workings on the system and its components respectively the whole system has to be stopped and protected against unauthorized resetting.

GRAF offers a wide range of accessories which are all matched to each other and which can be extended to complete systems. The use of other accessories may lead to dysfunctions and the suspension of the liability for resulting damages.

## 1.2 Marking responsibility

**The processed water is not suitable for consumption and for body hygiene.**

All plumbing and tapings of process water must be marked with **non-potable water** stickers, writing or by illustrations according to the relevant domestic rules, in order to avoid the wrong connection with the drinking water pipework even after years of use. Improper use may even arise with correct marking, e.g. by children. Therefore all process water tapings should be installed with **child-safe** valves.

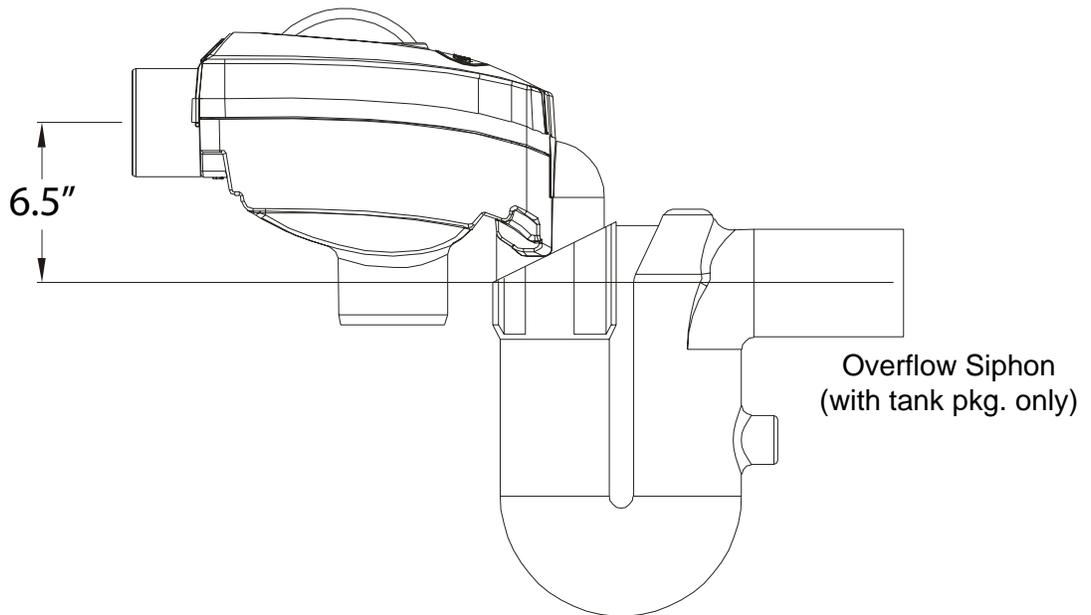
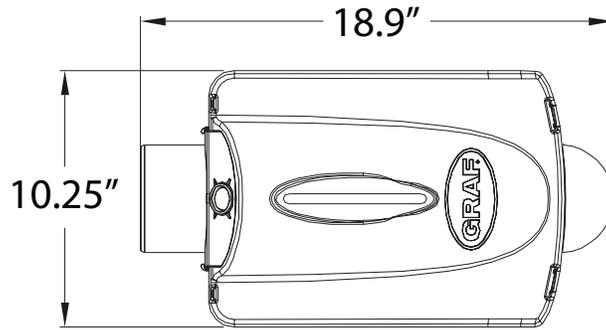
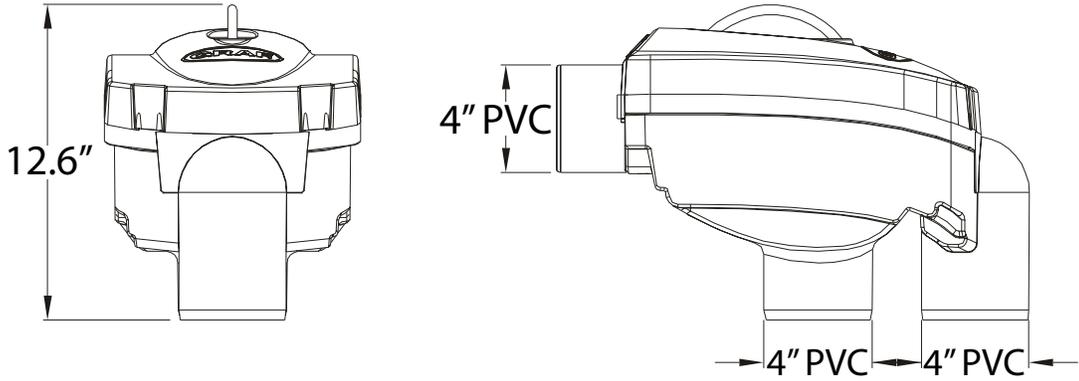
# 2. Installation conditions

## 2.1 Optimax-Pro Filter internal

- The Optimax-Pro Filter is suitable for installation in a manhole or underground tank.
- The difference between inflow and outflow is 6.5".
- The filter is suitable for roof areas up to 3,750 ft<sup>2</sup>.
- The mesh width of the sieve insert is 0.35 mm.

# 3. Technical Specifications

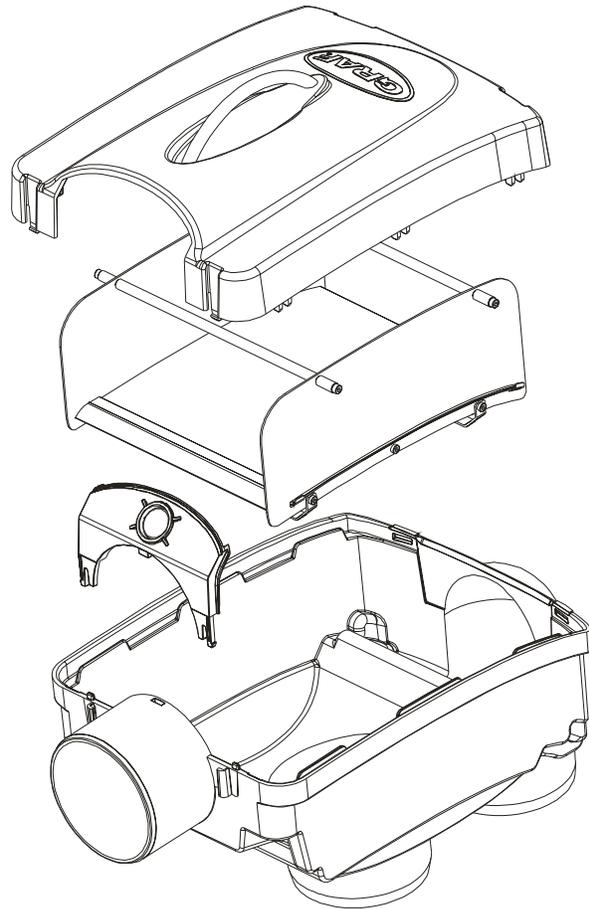
## Dimensions:



## 4. Assembly

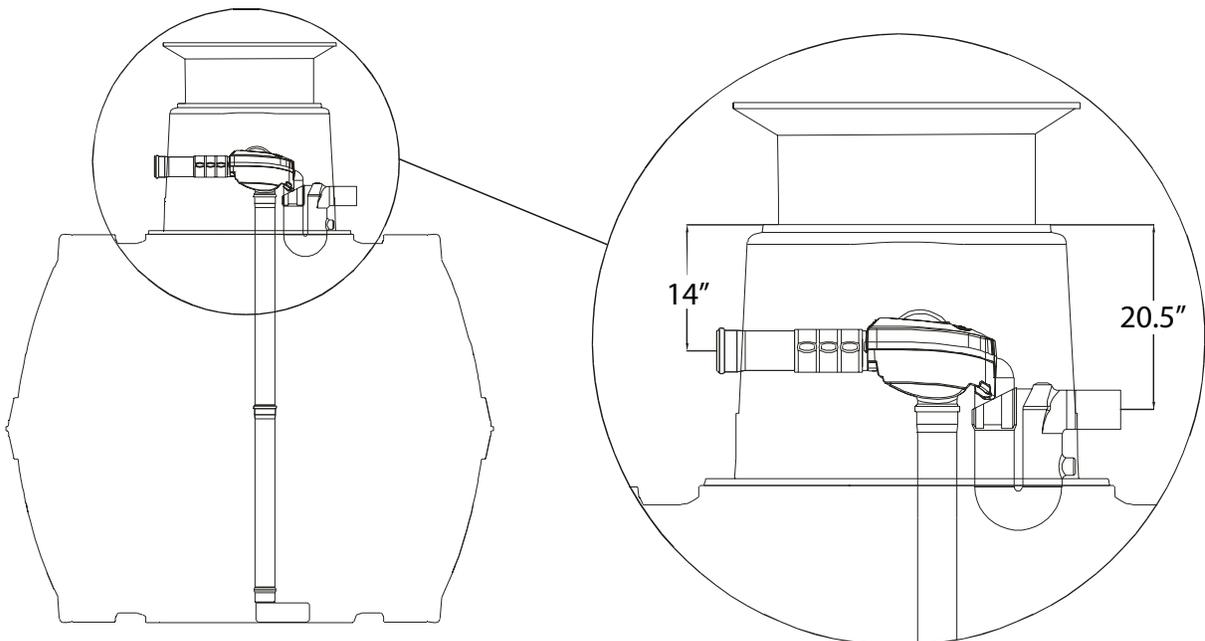
### Components:

- ① Transparent cover
- ② Stainless Steel Filter Insert
- ③ Support for optional Opticlean sprayhead
- ④ Filter body



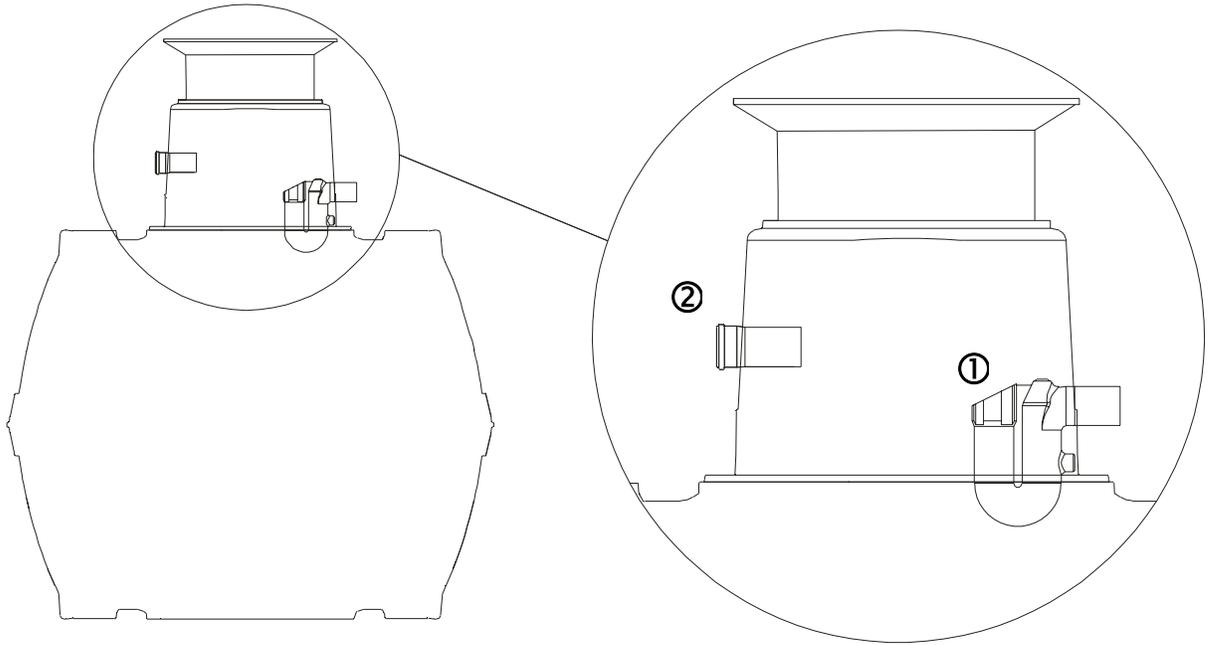
## 5. Installation in Graf Carat Tank

### 5.1 Overview



## 5. Installation

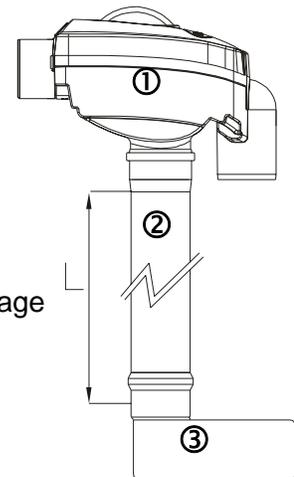
### 5.2 Installation of inflow pipe and overflow siphon



- ① Insert the overflow siphon in the lower seal until stop touches the tank side.
- ② Insert the inflow pipe from the outside

### 5.3 Prepare filter for installation

Connect the filter body ① with a 4" PVC pipe ② (on site) with the calming inlet ③ (contained in filter package 3).  
Fix all junctions with screws (to prevent shifting of pipes).

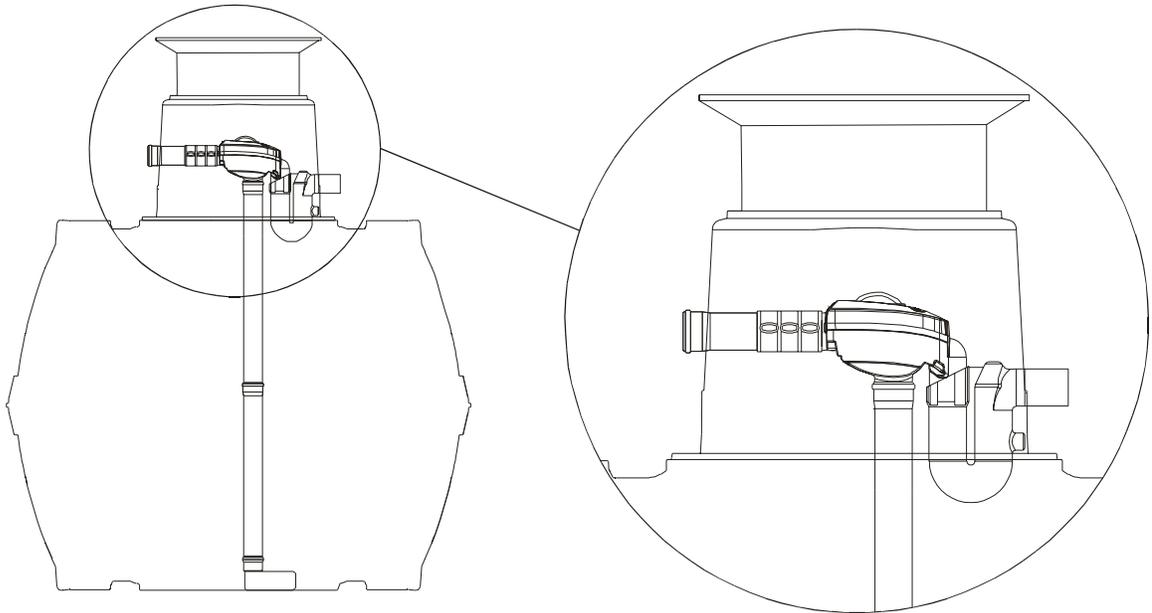


Dimension "L" is 80.7" in the 1700 gallon Carat tank package

Carat	2700 L	3750 L	4800 L	6500 L	7500 L	9800 L	13000 L
[L]	1330 mm	1550 mm	1800 mm	2050 mm	1550 mm	1800 mm	2050 mm

## 5. Installation

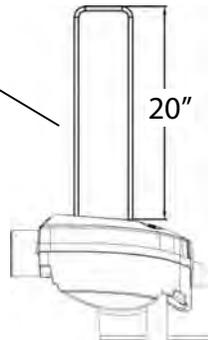
### 5.4 Insert the filter into the tank



Insert the filter, fitted with the downpipe and the calming inlet, into the tank.  
Insert the overflow from top into the siphon and fix the filter inflow with the spannfix collar (contained in filter package 3).

## 6. Accessory

Handle XL for  
Optimax – Pro Filter  
Item-No. 330220



## 7. Maintenance

Depending on the amount and type of debris, the filter sieve may need to be cleaned up to several times a year. Remove the transparent cover from the filter body. The sieve and the cover is one unit which removes easily. The optional Opticlean sprayhead can minimize or eliminate the need for manual cleaning.