



GEP-Trident 150 Tankfilter

trident®



- Read before installation and usage!
- Use all safety precautions!
- Keep for future use!

This installation and usage manual applies to GEP article number 401122 (GEP-Trident 150/325 Tankfilter) and contains important instructions and warnings. Additional installation and usage instructions of accessoires are added seperately.

The product should be controlled on any transportation damage when accepting the goods. When there is any transportation damage, make sure to report this within 24 hours. If the packaging of the goods are damages, make sure to check the products in the presence of the carrier and report the damage in writing to the carrier.

The product has to remain in the possession of the customer untill the damage has been determined.



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Foreword

You have purchased a quality product and we thank you for choosing our product. All the installation and usage instructions have to be carefully read in order to make sure that the product has a long life span. The product has been tested in all the described operating situations. This means that you have received a fully operating end product. However, if there is a error, make sure to check the defect in chapter 10 "malfunction analysis". Afterwards you can always contact the dealer.

Waranty (conditions)

The warranty period is 24 months after purchase of the product.

symbols



Caution

Damage can occur when not following the instructions



Danger

Injury can occur when not following the instructions



Information

Provides helpful tips during operating stages

In the following manual only the symbols will be presented

All operating malfunctions will be treated cost free within the warranty period, if the malfunctions can be traced back to production or material malfunctions. This includes malfunctions which occur even when the installation and usage instructions are properly followed.



General Rules

- The operator carries the responsibility for all measures:
 - For an orderly installation,
 - addressing threats by improper use.
- The Tankfilter is approved for the following usages :
 - rainwater harvesting systems,
 - rainwater filtering,
 - for installation in a rainwater tank,
 - suitable for a roof surface of max 150 m² (o.b.v. 300 l/s/ha)
 - in the proximity of residential, commercial and industrial buildings and small companies.

The following applications are not allowed:

- The connection of green roofs.
- The connection of asbestos cement roofs.
- The connection of roofs where motorized traffic is present.

Costs, by unlawful usage or by faulty installation can not be accepted.

Questions about the product or about ordering parts:

- Contact your dealer.
- Always mention your sending address.

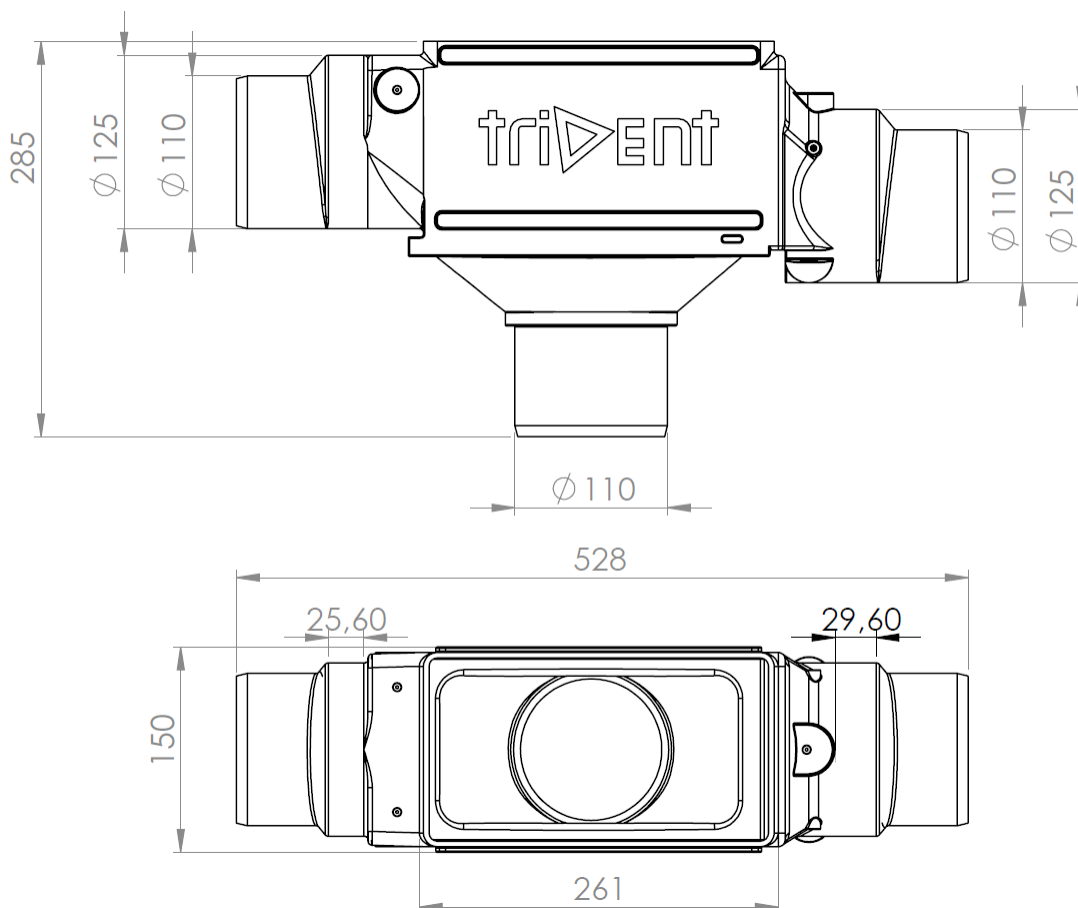
Product description

Function

The Trident tank filter filters the rainwater and guides it into the rainwater tank. The residual dirt particles will be directed to the sewerage. An optional prefab installed filter nozzle can be installed in order to clean the filter grid without removing this from the filter housing.

- fine filtering of rainwater
- drainage of filtered rainwater to the storage tank
- +90% Efficiency / rainwater inlet to the rainwater tank
- Comfort-Filter nozzle for the cleaning of the filter grid (optional)

Technical data



inlet rainwater:	DN 110/125
outlet to sewer:	DN 110/125
Outlet filtered rainwater:	DN 110/125
Connection filter nozzle (Art.nr 401151)	½" external thread
Height difference between inlet and outlet sewer:	25 mm
Mesh size of the filter grid	0,35 mm
Material Trident Tankfilter (housing):	PE
Material Trident Tankfilter (filtergrid):	Inox-RVS (Stainless-steel)

Installatipm

Connection inlet Rainwater

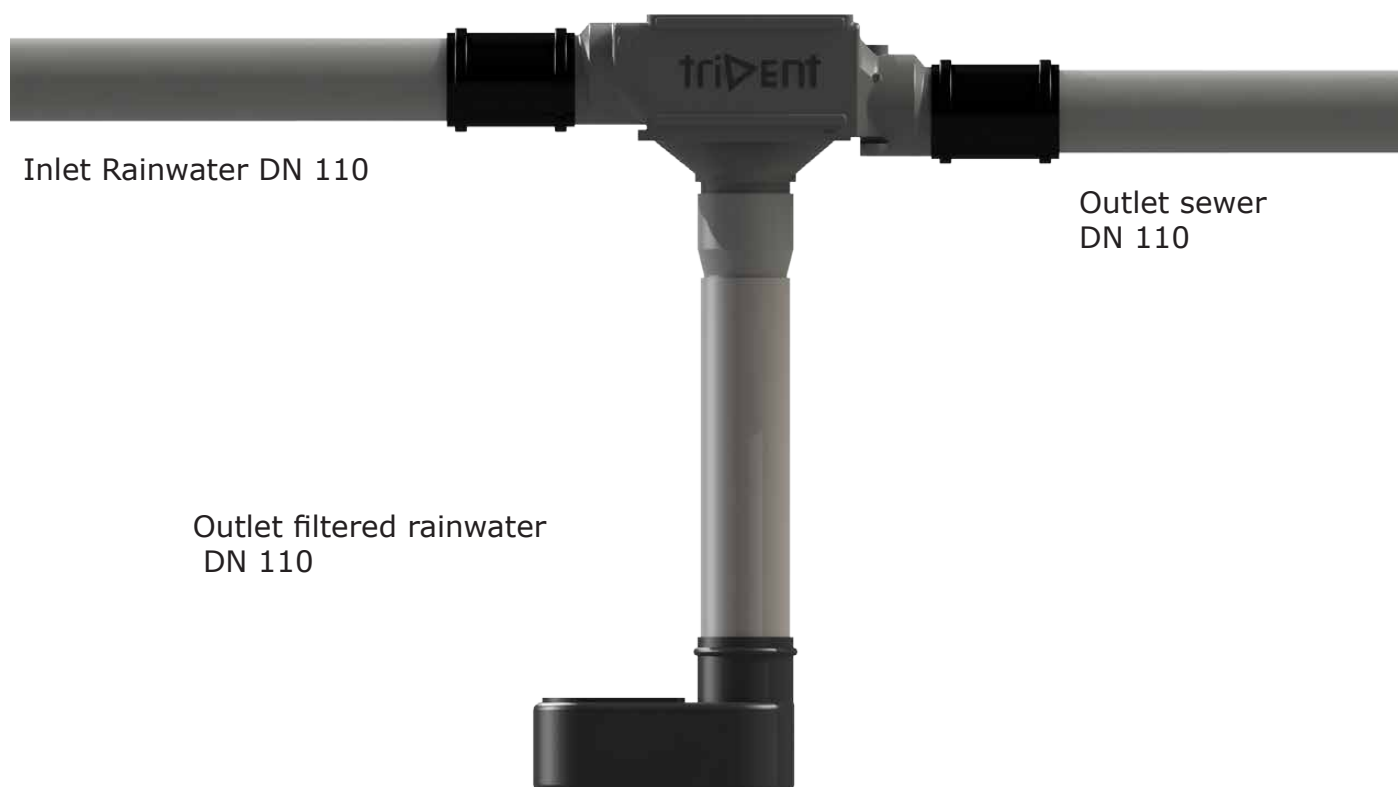
The connection of the rainwater inlet of the roof surface to the trident rainwater filter is connected via a DN 110 double socket (see illustration below!).

Connection outlet to sewer

The connection of the sewer to the outlet of the Trident rainwater filter is connected via a DN 110 tube with a single socket (see illustration below!).

Connection outlet of the filtered rainwater

The connection of the outlet of the filtered rainwater to the calmed inlet in the tank. Use a telescopic tube for the connection of the filtered rainwater to the calmed inlet. Otherwiese, use a DN 110 tube with a single socket to the bottom side of the filter. (see illustration below!).



!!! Filterhousing should be corrected to water level leveled after installation !!!

Filter maintenance / cleaning

Removal of filter grid

- Remove the top cover of the filter housing
- Remove the filter grid by the removable handle

Return filter grid

- Place the filter grid with the handle at the outlet side of the filter housing
- The filter grid should be resting on the bottom of the inlet and outlet
- Place the top cover back on the filter housing

Cleaning of the filter grid

1. Remove the filter grid (see text above!)
2. Rub the filtergrid with dish soap and let it soak for 5 minutes.
 - this removes the fats and any oil layers.
 - Clean the remaining dirt particles with a powerfull water jet.



Dont use a metal brush!!

3. Place the filter grid back in the filter housing (see text above!)



Comment:

When the filter grid is removed from the filter housing. The Trident tank filter will function as a filling device, without filtering.

Malfunction solver

What can you do when...

The specified efficiency is no longer met?

The filter grid filled with dirt particles or has not been cleaned for a long time. Clean the filter grid according to the instructions.

The filter grid is not placed properly. Place the filter grid according to the instructions.

If you have any other malfunctions, please contact your dealer.

Removal/ Recycling/ Destruction

The wrapping material can be processed with old paper. The filter grid should be processed by scrap metal handlers. The housing of the filter is 100% recyclable.