

# BLUELINE VARITANK 450

Rainwater tank made of plastic with built-in rainwater filter

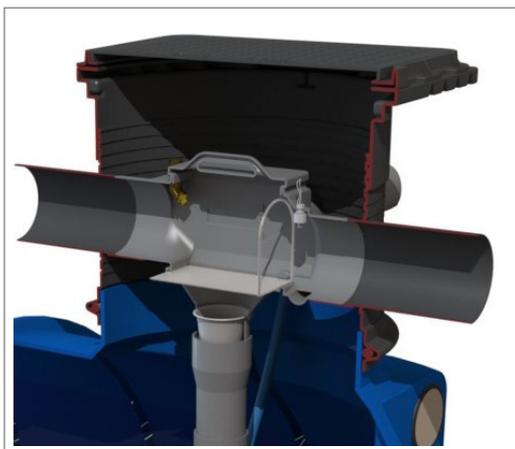


rethinking water



## PRODUCT DESCRIPTION

The BlueLine Varitank 450 consists of a PE tank and Varitank filter 450. The BlueLine rainwater tanks are made of PE, made from one piece. The BlueLine tank is suitable for storing rainwater from roofs. The tanks are equipped with 3 prefabricated connections with a rubber sleeve of DN 110. At the top of the tank a manhole is provided with 60 cm and a PE ring protrudes about 8 cm. The Varitank filter must be mounted on this. The Varitank filter 450 consists of a filter shaft made of polyethylene (PE), a pre-assembled Trident tank filter 450 and a filter flate of stainless steel with triangular blades that are at right angles to the water flow. The distance between the slats is approx. 0.5 mm. The distance between the slats is approx. 0.5 mm. Because the slats are tilted a few degrees, the rainwater is braked and discharged to the tank. The entrained dirt remains behind on the filter flate. The filter is also equipped with 2 skimmer overflow. When the tank is full, the excess rainwater will drain away. In case of heavy rainfall, the excess rain water will drain directly via the filter flate and the remaining dirt will wash away on the filter flate. The Varitank filter is traffic class A taxable. The tank filter is completely removable by means of click connections so that the rain well remains accessible for inspection and maintenance.

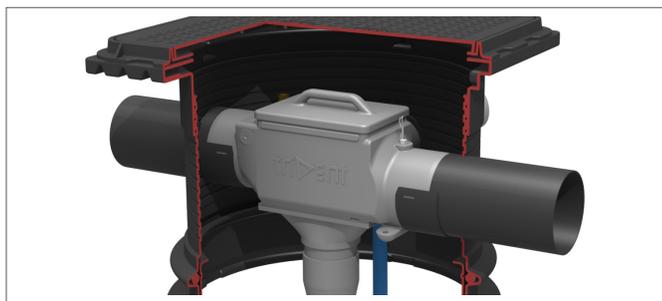


## APPLICATION AREA

The tank must be buried at a certain depth, depending on the level of the HWA pipes and ground level. The tanks must remain accessible for maintenance and / or clearance. The BlueLine tanks can be placed in the groundwater for 1/3 part, provided there is enough counterweight to prevent thawing. The BlueLine tank is traffic-able (class B-125 KN) provided there is a minimum ground cover on the BlueLine tank of 60 cm. Ground cover above the tanks is a maximum of 150 cm. The Varitank filter 450 is suitable for filtering rainwater from roofs of houses or buildings with a maximum roof surface of up to 450 m<sup>2</sup>. The filter shaft is placed on the PE ring of the tank and sealed with a rubber ring. The shaft can be rotated 360 degrees to facilitate the connection of the piping and can be shortened or raised at any desired Width by means of PE attachments. The decay between the supply and discharge of rainwater is 39 mm.

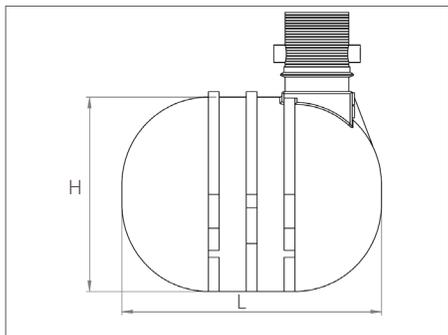
## TECHNICAL DATA BLUELINE VARITANK 450

Volume in liter	Weight in kg	Length L in cm	Height H in cm	Width B in cm
2.500	90	240	159	Ø 136
5.000	150	240	225	Ø 201
7.500	210	277	233	Ø 231
10.000	340	340	233	Ø 231

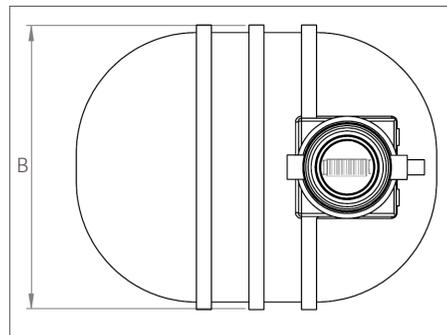


Detail: pre-assembled Trident 450 tank filter

## TECHNICAL DRAWINGS



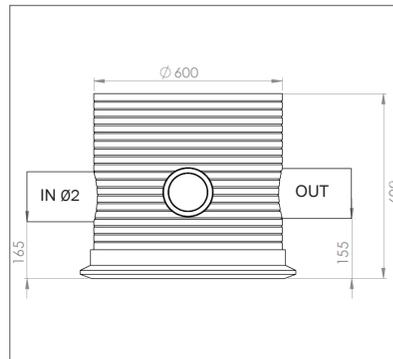
Detail: filter nozzle



## TECHNICAL DATA VARITANK FILTER 450

Height in mm:	600
Height IN mm:	165
Height UIT mm:	155
Weight in kg:	20
Connection in / out in mm:	160
Connection of casing pipe in mm:	110
Manhole Ø in mm:	600
Max. roof area in m <sup>2</sup> :	450
Height difference on the drain in mm:	39
Housing material:	PE
Material filter plate:	RVS
Connection of nozzle (optional):	1/2"

## TECHNICAL DRAWINGS



## PRINCIPESHEMA



## OPTIONS

### Nozzle set for 450 tank filter

The nozzle set ensures that the filter is periodically cleaned. The set consists of a filter sprayer.

### Automatic time-controlled filter cleaner 1/2 "

Time-controlled filter cleaner enables automatic filter cleaning. The nozzle will clean the filter surface at freely adjustable times.

### Fine filter bag

The fine filter can be placed under the Trident filter flate. This filter bag filters very finely to a mesh size of 150 µm. This fine filter can be used in places where high demands are placed on the water quality.

### Backflow alarm for Trident filters

The filter can be equipped with an alarm sensor that signals backflow from the overflow. This alarm sensor can be connected to an IRM rainwater system that switches to drinking water as soon as an alarm signal comes from the sensor. This will contaminate pump, sanitary pipes and appliances.

### Varitank inner shaft 60 cm

The shaft with the sealing ring supplied can be mounted on the filter shaft. The shaft can easily be shortened. Each type of Varitank lid can thus be equated to the ground level at any desired Width.

### Varitank lid set

For every Varitank filter a wide range of lids is available in traffic classes A, B and D. Check the special Varitank lid page to choose which lid is most suitable for your situation.

## SCOPE OF DELIVERY

Product consists of: Blueline Varitank, filter housing, filter cover and Trident filter flate with removal bracket, quiet supply, telescopic tube, rubber ring with lubricant and shaft. Tanks are delivered in the color black.

## ORDERING INFORMATION

Art nr	NAME	PG	Art nr	Options	PG
403207	Blueline Varitank 450 - 2.500 liter	3	401151	Nozzle set for 450 tank filter	2
403208	Blueline Varitank 450 - 5.000 liter	3	401155	Automatic time-controlled filter cleaner 1/2 "	2
403209	Blueline Varitank 450 - 7.500 liter	3	401157	Fine filter bag	2
403210	Blueline Varitank 450 - 10.000 liter	3	401158	Backflow alarm for Trident filters	2
Wide range of lids available, see Varitank lids from GEP.			403512	Varitank inner shaft 60 cm	2