

TRIDENT FILTER UNDERGROUND

Trident 325 rainwater filter for underground installation



PRODUCT DESCRIPTION

Trident filters are a highly efficient dynamic rainwater filter, ensuring that a maximum volume of water passes through the filter and into the tank. The filter acts as the first step in the rainwater treatment process and has the capability to reduce the overall lifetime cost of the entire rainwater harvesting system.

With a range of pre-tank filters and tank filters with skimmers, Trident filters are flexible to suit in almost any tank; improving tank life, reducing maintenance and capable of handling high volume harvesting needs.

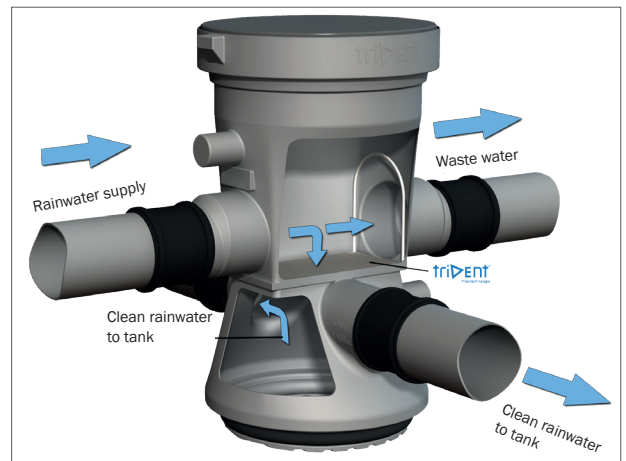
- +90% Efficiency 700µm
- Rapid separation of waste and clean water
- Dirt resistant and large effective filter grid
- Automatic cleaning reduces maintenance required
- Ideal for rainwater harvesting

APPLICATION AREA

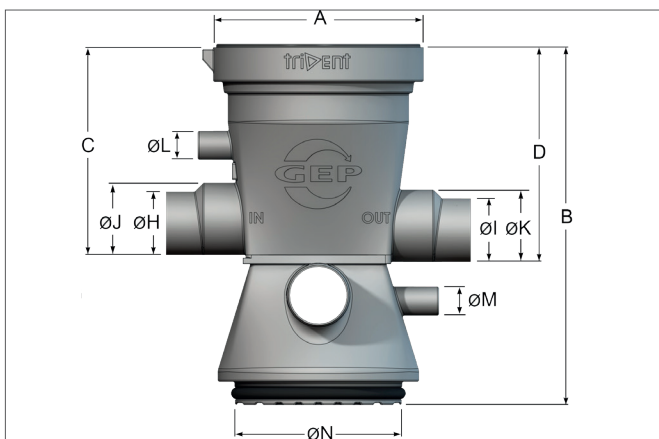
The Trident rain water filters are suitable for filtering rain water from roofs of homes or buildings with a roof surface up to 325 m² (based on 300 litres/sec/ha). The filter must be placed in front of a rain borehole and is resistant to soil pressure (traffic class A). Between the supply of rain water and the discharge of the filtered rain water, there is a decline of 12 cm. With the optional decline reductive part this will be reduced to a mere 6 cm.

TECHNICAL DATA

Diameter cover A in mm:	365
Height B in mm:	620
Height C in mm:	360
Height D in mm:	371
Height E in mm:	485
Diameter OUT F/G in mm:	110
Diameter 1 IN H in mm:	110
Diameter 2 OUT I in mm:	110
Diameter 1 IN J in mm:	125
Diameter 2 OUT K in mm:	125
Height difference of the supply in mm:	11
Sleeve tube L in mm:	150
Suppletiebus M in mm:	50
Diameter bodem N in mm:	290
Material housing:	PE
Material filter grid:	RVS
Connection filter cleaner (optional):	1/2"



TECHNICAL DRAWING



OPTIONS

Extension segment 75 cm for Trident 325 filter
 Special extension shaft of 75 cm that can be mounted on the Trident 325 filter by use of a provided ring. The shaft can be shortened easily to equate the walkable cover with the ground, including pike pole. (see 1)

Nozzle set for Trident 150, 325 and 450 tank filter
 Allows easy and automatic cleaning of the filter. The nozzle cleans the filter surface by means of water pressure via a special powerful brass cone nozzle (see 2).

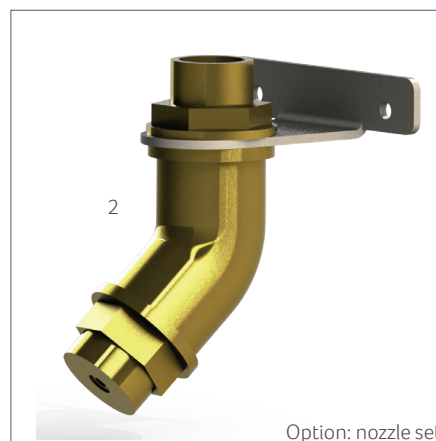
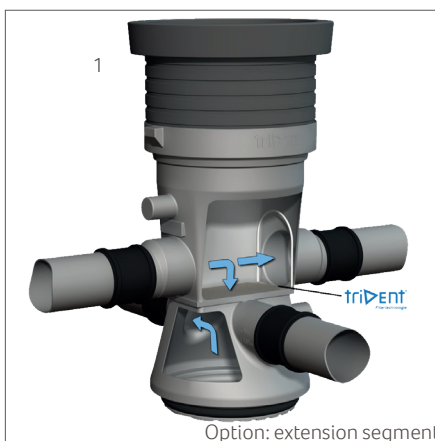
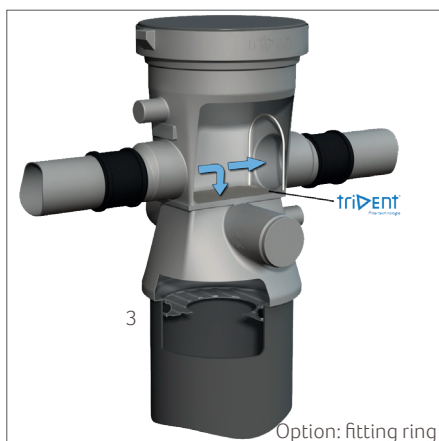
Automatic time-controlled filter cleaner 1/2 ''
 Time-controlled filter cleaner makes automatic filter cleaning possible. The nozzle sprays the filter surface at freely adjustable times clean.

Decline reductive part DN 110
 Decline reductive part reduces the height difference between supply and discharge filtered water from 12 cm to a mere 6 cm. (see 4)

Adapter ring to place Trident 325 filter onto a shaft
 With a 315 mm adapter ring the filter will fit onto a vertical tube of 315 mm for, for instance a water bag or infiltration facility. (see 3)

Trident tank adapter shaft to DN 600
 This shaft already has a height of 60 cm and can be shortened easily. As such, all covers of the trident tank will fit onto this filter.

TECHNICAL OVERVIEW



DELIVERY

Product consist of: filter housing, Trident filter grill with removal bracket, walkable cover and installation instructions.

ORDER DETAILS

Art nr	NAME	PG
401101	Trident 325 filter underground	2
401159	Extension shaft 75 cm for Trident 325 filter	2
401153	Nozzle for trident 325 rainwater filter	2
401155	Automatic time-controlled filter cleaner 1/2''	2
401160	Reducing connector DN 110	2
401161	Fitting ring to place Trident 325 filter on a shaft	2
403525	Varitank gradient shaft to DN600	2

Wide range of covers available, see Varitank covers from GEP.

