

AQUATUM 300



The Newest Generation of Rainwater Cleaning



- Crystal-clear rainwater
- Clean tanks
- Automatic filter cleaning



AQUATUM[®]
Hb



Tanks

Rainwater

Collecting rainwater from the roof into tanks and using it as process water in the house and garden, is a really good idea, for economic and environmental reasons.

You not only conserve nature, but also noticeably reduce your mains water consumption by using rainwater for your washing machine, lavatory flushing and watering the garden.

However, the joy lasts only as long as the used rainwater is clean, and the operation of the rainwater system does not lead to the on-going, tiresome effort of servicing and cleaning.

Many users of rainwater are disappointed and angry after some time: The water quality is not up to their expectations - washing machines and lavatroy are re-connected to the mains water system for aesthetic reasons.



- Dirty rainwater
- Tiresome filter cleaning
- Silted up tanks

The problem

Why must rainwater really be clean?

Dirt, insects, overhanging branches on the roof and in the gutters contaminate the rainwater. Conventional filters and screening systems do help to keep the gutters clean, but they do need regular maintenance and cleaning.

Smaller particles, such as dust and soot from chimneys, pass through these conventional filters and get into the tank, causing silt and odour problems.

The consequence

The effort of regularly cleaning the filters and silted cisterns is time-consuming and annoying.

The use of rainwater will be limited, sometimes even given up.

What is an Aquatum 300?

The Aquatum 300 is a filter system for the purification of rainwater in tanks. Our basic principle is that rainwater must be clean before it enters the tank where it will be stored.

- Unique quality.
- Aquatum 300 is a patented new innovation in the market. Its performance is clearly superior to all current market offerings.
- Maintenance-free and long-lasting.
- Once installed neither the filter nor the tank need to be cleaned manually.
- Suitable for the new installation and retrofitting in existing installations.
- Almost any tanks between 3 and 12 m³ can be fitted/retrofitted with an Aquatum.



The solution

How does Aquatum 300 work?

The polluted rainwater runs directly - without prior and intermediate components - in Aquatum 300 filter. Here the water runs through a layer of coal and sand where all soot and particulates up to 1 µm will be filtered out. The purified water now enters the tank where it will be stored.



Crystal clear domestic water and automatic filter cleaning

Once a week the filter cleans itself. The pump turns on, sucks the clean water in the opposite direction and rinses it through the filter layers, washing away any dirt particles.

This rinsing procedure is fully automated and uses about 90 liters of rainwater.



No Silting

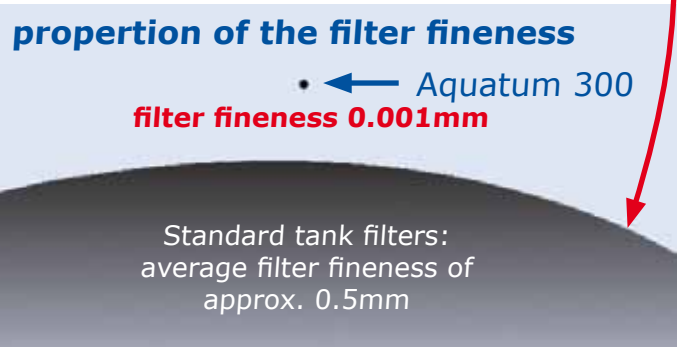
Standard tank filters:
average filter fineness of approx. 0.5mm

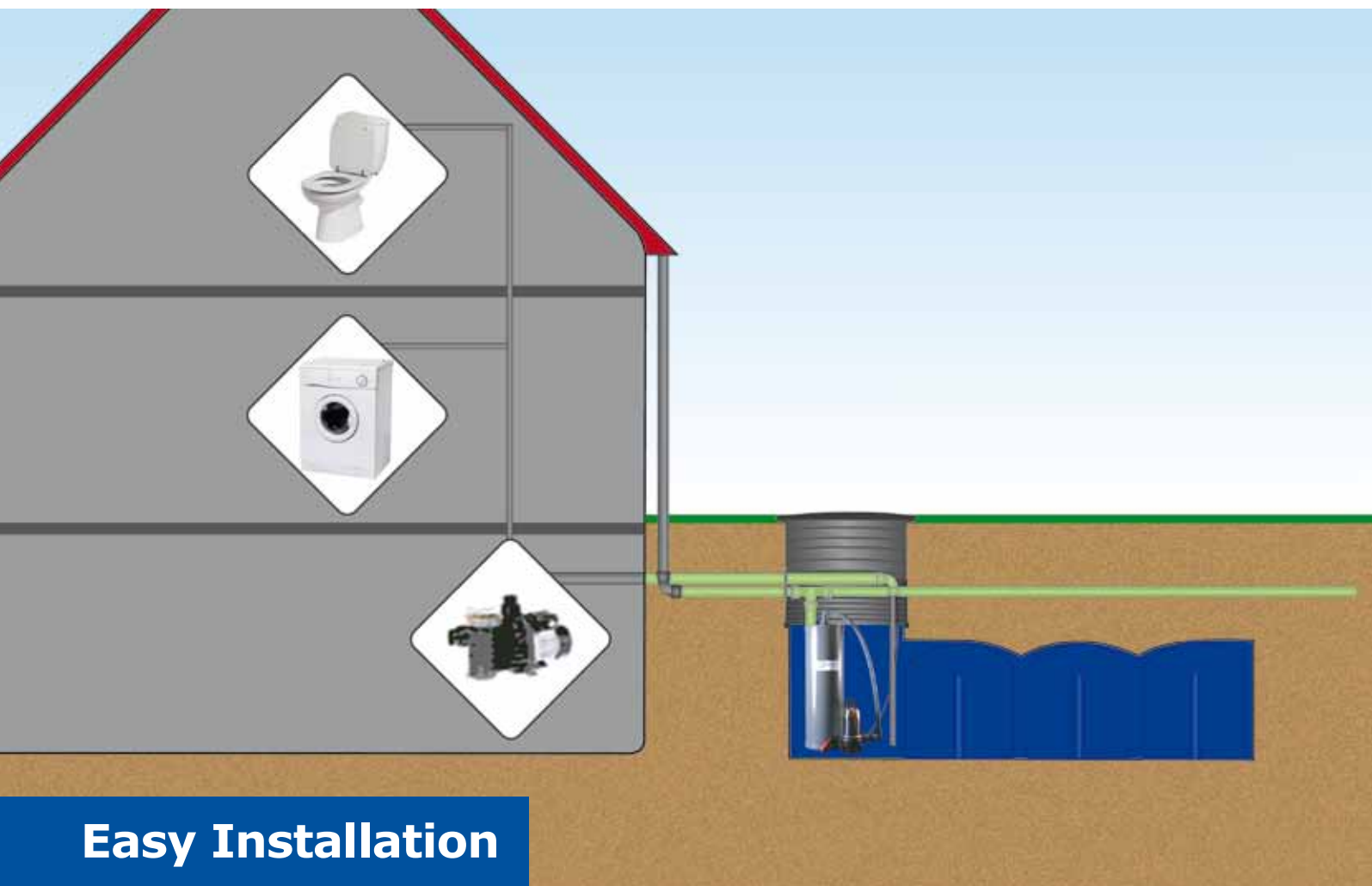
Avoid a dirty tank with Aquatum 300!

Today's tank filters have an average filter fineness of approx. 500 μm , (0.5mm).

The Aquatum 300 filters soot and particles up to a size of 1 μm (0.001mm) in the rainwater.

As a result the tank only contains clean, clear water - no silt or dirt - and therefore does not need to be cleaned.





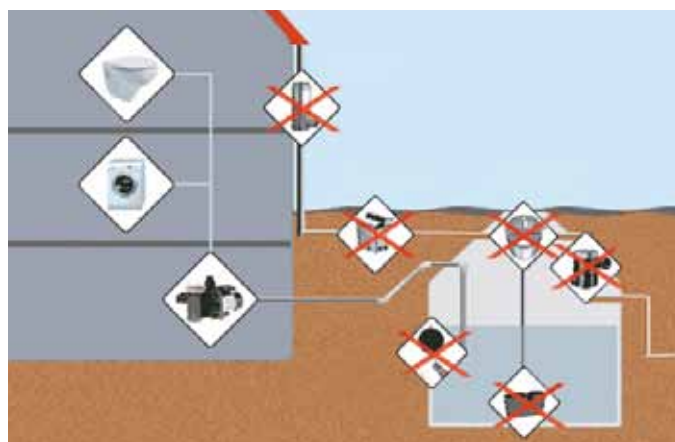
Is the installation of the Aquatum 300 complicated?

The installation and retrofitting of Aquatum 300 is quite simple.

The Aquatum 300 system is placed into the tank - the power cable for the pump runs through a service pipe to an electrical connection in the house.

The Aquatum 300 now replaces most of the current standard components, downpipe filter, leaf catcher, primary clarifier, filter bowl, sieve filter, vortex filter, emergency overflow, intake and floating removal unit.

All you need for a rainwater harvesting system is the tank, building components and the Aquatum 300.





Clear rainwater

Join the latest generation of rainwater utilisation.

With Aquatum 300 you finally get the quality of water and comfort you can expect from a modern rainwater harvesting system.

With the Aquatum 300 every rain shower is a delivery of free water in a unique quality.



AQUATUM 300



Technical Data Aquatum 300

Application:	rainwater filtration
Installation:	wet, in the cistern
Inlet height:	min. 50 cm - max. 200 cm (top of filter- drain of cistern)
Troughput:	average 1.500 Liter/h
Flushing:	automatic, once a week, 1 minute
Rinse water:	90 liters per flush
Connecting hose	

Irrigation pump

Diameter:	d32
Filter connections:	d32
Pump Connections:	d32 x 1¼" IG

Irrigation pump

motor:	600-watt
Max. flow:	14.500 l/h
Max.height:	8 m
Solids up to	25 mm
Pump casing:	stainless steel
Max. temp:	35 ° C fluid
Max. immersion depth:	5 m
Pressure connection:	Ø 1¼" AG
Connection cable:	10 m
Package Size (cm):	35 x 22 x 19

Filter unit

outlet	DN 100
Filter connections:	d32
External dimensions (cm):	Ø 32 x 89
Max. immersion depth:	5 m

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