

Drop2Drink Unit



From Rainwater to On-Demand **Drinking Water**

Water scarcity is one of the worlds' leading challenges. It's effects are felt more and more every day. The cause for this scarcity is largely caused by water wastage, climate change and water pollution. Global population growth increases the latter, intensifying water stress as time goes by. We have developed a circular and water-neutral solution to protect against the ever increasing scarcity: The **Drop2Drink** Unit.



100% Microbiologically safe drinking water

The Drop2Drink unit filters all bacteria from the water, guaranteeing a 100% bacteria-free water quality.



Self-cleaning filter

Contains a self-cleaning Ultra Filter which is checked for integrity on a daily basis.



WHO-Certified

The unit has been tested and certified by the World Health Organisation.



Off-grid solution

The entire household can be served by the Drop2Drink unit.



Plug & play

The unit is easy to install, maintain and operate.



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How do we use our valuable drinking water?

Many people in Europe have easy access to quality drinking water, causing us to take it for granted. We use approximately 1% of our valuable drinking water for consumption and about 5% for food production. This means that we use 94% of our drinking water for another purpose, for example: flushing the toilet, showering, washing the car and to water the garden. Everyone agrees that this must change, don't you?



Drop2Drink unit

Using the Drop2Drink Unit, rainwater can be entirely utilized as drinking water. It is a fully functioning off-grid solution enabling the user to no longer depend on the local drinking water network. Instead, the user is circular and self-sufficient. 100% Microbiological safe drinking water is guaranteed through the use of a smart filtration system and monitoring.

Rainwater filtration

The microfilter and activated carbon filter remove most dirt particles, odors and tastes. Then all bacteria are removed from the water as it is purified by the self-cleaning UF Filter. Lastly the UV lamp ensures that the water quality is pure and constant. The smart filtration and monitoring has been efficiently fitted as the practical plug and play Drop2Drink Unit.

Options

The Drop2Drink Unit is available in two sizes, allowing either a flow of 20l/min or 30l/min. All water-based utilities can be connected to the Drop2Drink Unit.

Monitoring

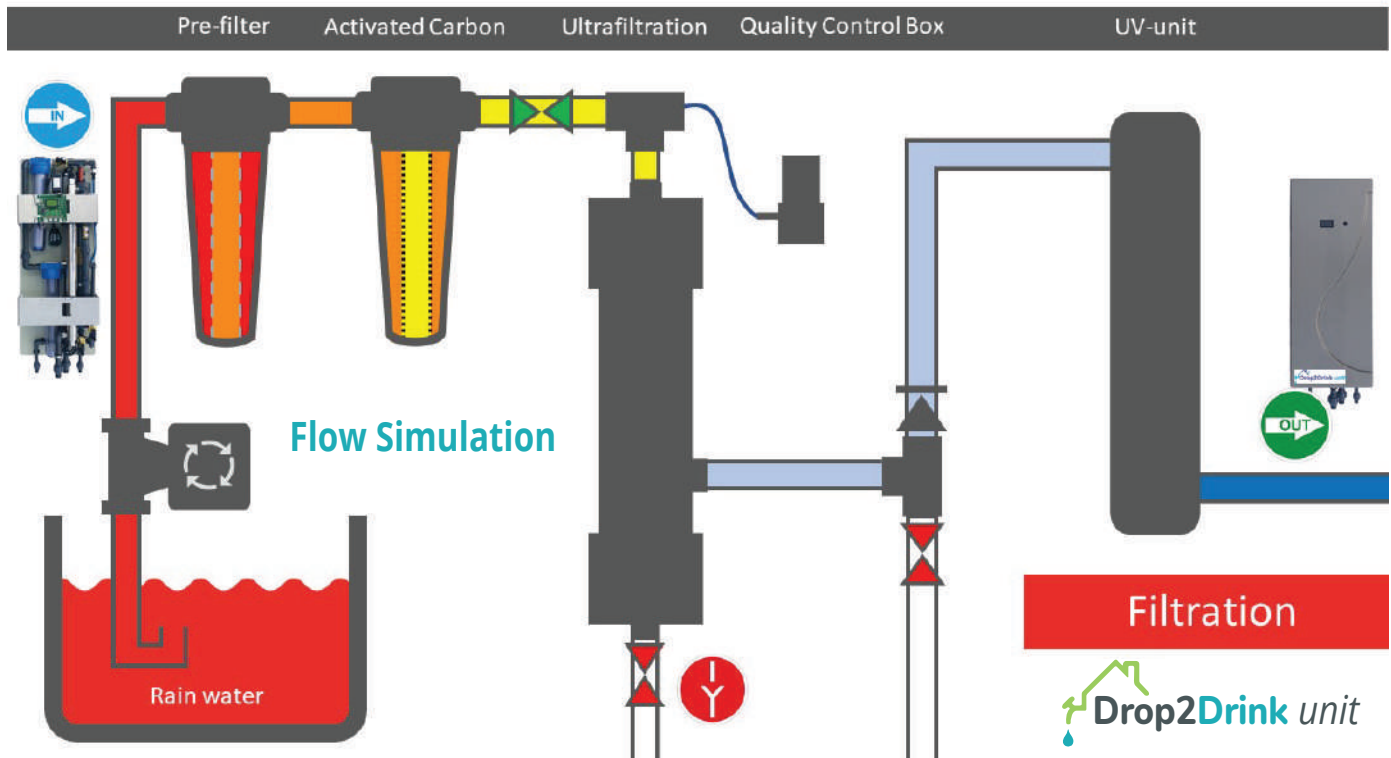
The Drop2Drink unit can be monitored from a distance. The user can review their usage, savings and potential maintenance requirements via the Drop2Drink app.



Innovation Award

Maintenance and Warranty

The Drop2Drink Unit is easy to assemble and maintain. The micro- and activated carbon filters should be cleaned on a yearly basis. We guarantee 100% microbiologically safe drinking water. Finally, the user receives a five-year-warranty against membrane breakage of the ultrafilter.



Technical specifications Drop2Drink unit

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| <ul style="list-style-type: none"> Applications <ul style="list-style-type: none"> ○ Unsafe tap water ○ Rainwater ■ Multistage filtration <ul style="list-style-type: none"> ○ Microfiltration 10μ ○ Active carbon ○ Ultrafiltration 0,01μ ○ UV - unit 30W ■ Safety controls <ul style="list-style-type: none"> ○ Automatic forward andbackward flush ○ Integrity check on membrane breakage ■ Flow rate (depending on local water quality) <ul style="list-style-type: none"> ○ 20 l/min (1,2 m³/h) ○ 30 l/min (1,8 m³/h) ■ Off-site system monitoring: <ul style="list-style-type: none"> ○ Incoming and outgoing water pressure ○ Water usage ○ performance | <ul style="list-style-type: none"> ■ Pressure <ul style="list-style-type: none"> ○ Minimum pressure 2,5 bar ○ Maximum pressure 6 bar ○ Pressure loss 1,5 bar ■ Power supply <ul style="list-style-type: none"> ○ 230 V AC / 50 - 60 Hz ○ Consumption 40W ■ Dimensions <ul style="list-style-type: none"> ○ 1,2 x 0,55 x 0,45m ○ 1,5 x 0,79 x 0,45m ■ Connections <ul style="list-style-type: none"> ○ In- and outlet: 1" ○ Flush water connections: ½" ■ Empty weight: <ul style="list-style-type: none"> ○ 29kg ■ Control device <ul style="list-style-type: none"> ○ Settings and monitoring ○ Internet connection possible ○ USB port possible |
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D2D WATER SOLUTIONS

D2D Water Solutions is a Dutch organisation that uses more than 25 years of experience in water management and filtration to produce quality products which protect and serve their users. We develop, produce and deliver smart water purification systems. These systems are especially suitable for (off-grid) homes, apartment complexes, offices, organisation in agricultural- & food sectors and manufacturing.

Mission

D2D Water Solutions aims to offer everyone the possibility to have direct access to clean drinking water and to become self-sufficient in their own purified water supply. Furthermore, D2D Water Solutions wants to reduce the enormous water waste by facilitating in decentralised water reuse. By applying this we can achieve water-neutral or even water-positive homes.

Vision

D2D Water Solutions aims to be the global provider of quality rainwater filtration and circular water filtration solutions. We strive to create durable economical, social and eco-friendly value and relieve water stress worldwide.



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