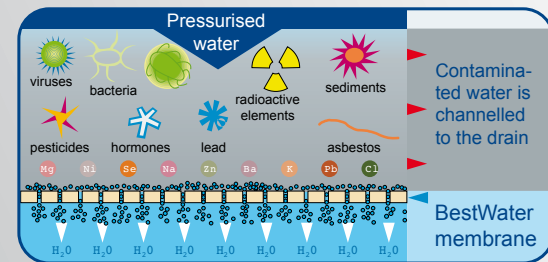


# The Principle of Reverse Osmosis: Shown By Nature

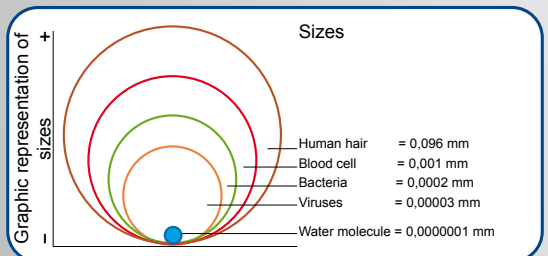
## REVERSE OSMOSIS

With osmosis, as it occurs all over in nature and in every living thing, you understand the concentration balance between two fluids through a semi-permeable membrane. This leads to an uneven amount of water on both sides of the membrane.

By copying nature, this technology also discovers, in a reverse manner, your water purification usage. Because the direction of the current of water can be influenced through the use of a sufficiently high pressure, in order to not achieve the effect of dilution and compensation, but rather the effect of the almost complete separation of incriminating ingredients. That means, a saline solution is pressed onto the membrane, which is, however, only permeable for water molecules. While the inconsistent substances dissolved in the water are restrained and are washed out via the drain in the system, the membrane on that side collects almost completely clean water.



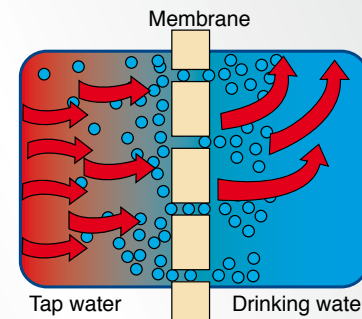
Because the pore size, with a diameter of 0.1 nanometers (one tenth of a millionth of a millimeter), is in a size range of small molecules, the reverse osmosis will also be referred to as molecular filtering. Only water molecules are small enough to pass through these pores. The core of every molecular filtering system is a multi-layer membrane, that consists of organic polymer materials. What the model of nature for millions of years has turned into and what man has destroyed through polluting the environment, can be undone in the water with laser-based technology.



## CONSTRUCTING MEMBRANES AND MATERIALS USED

For membranes, generally a very different quality of material is used. Mainly, poultrice films are used. The water flows through, with high pressure (approx. 3-6 bar), across the winding direction through the poultrice spaces and is divided into two streams:

One permeates the fine pores of the membrane and arrives, now flowing in the winding direction, as permeate in the interior of the perforated winding tube, while the other flows across the entire roll and comes to the other side and back out again.



**Membrane of the Molecular Filter**  
The multi-layer membrane of the molecular filter is so fine that only water molecules can pass through. Larger molecules are rejected and flushed into the drain (see step B).

Die gebräuchlichen Membranen bestehen aus Kunststoff. The common membranes are made from plastic polymer films, which are identified with the abbreviations CTA or TFC. CTA means Cellulose Triacetate and TFC is an abbreviation that means Thin Film Composite. Both membrane types differ tremendously in both performance and price, in the US and European market.

In Europe, they are more commercially orientated, at a much higher price of the TFC membranes. The CTA membranes only have a continuous durability of a maximum of 12 months, while the TFC membranes can work for many years. For the BestWater systems, we exclusively use TFC membranes from the company Filmtec. Only these membranes permanently guarantee a first-class water quality.

The reverse osmosis is capable, with a high efficiency, of filtering all liquid and solid substances from the water.

This happens quantitatively, without consideration of the potential harmfulness of the alleged use of the respective substances. That means that both harmful substances as well as the dissolved minerals are removed from the water. Nutritionally, the last aspect is not only negligible, since the body could be fed with the consumption of water, but is also not anywhere near the daily amount of minerals needed, even assuming that this would be bio-available to humans.

Experience shows, and numerous expert reports confirm, however, that water which has been freed from all impurities has an especially relieving effect on the body. Numerous studies, worldwide, have proven the benefit of reverse osmosis both for large-scale systems and also for private users. So in the USA, in October 2007, tremendous study results on the usage of reverse osmosis were published in areas, especially dealing with arsenic.

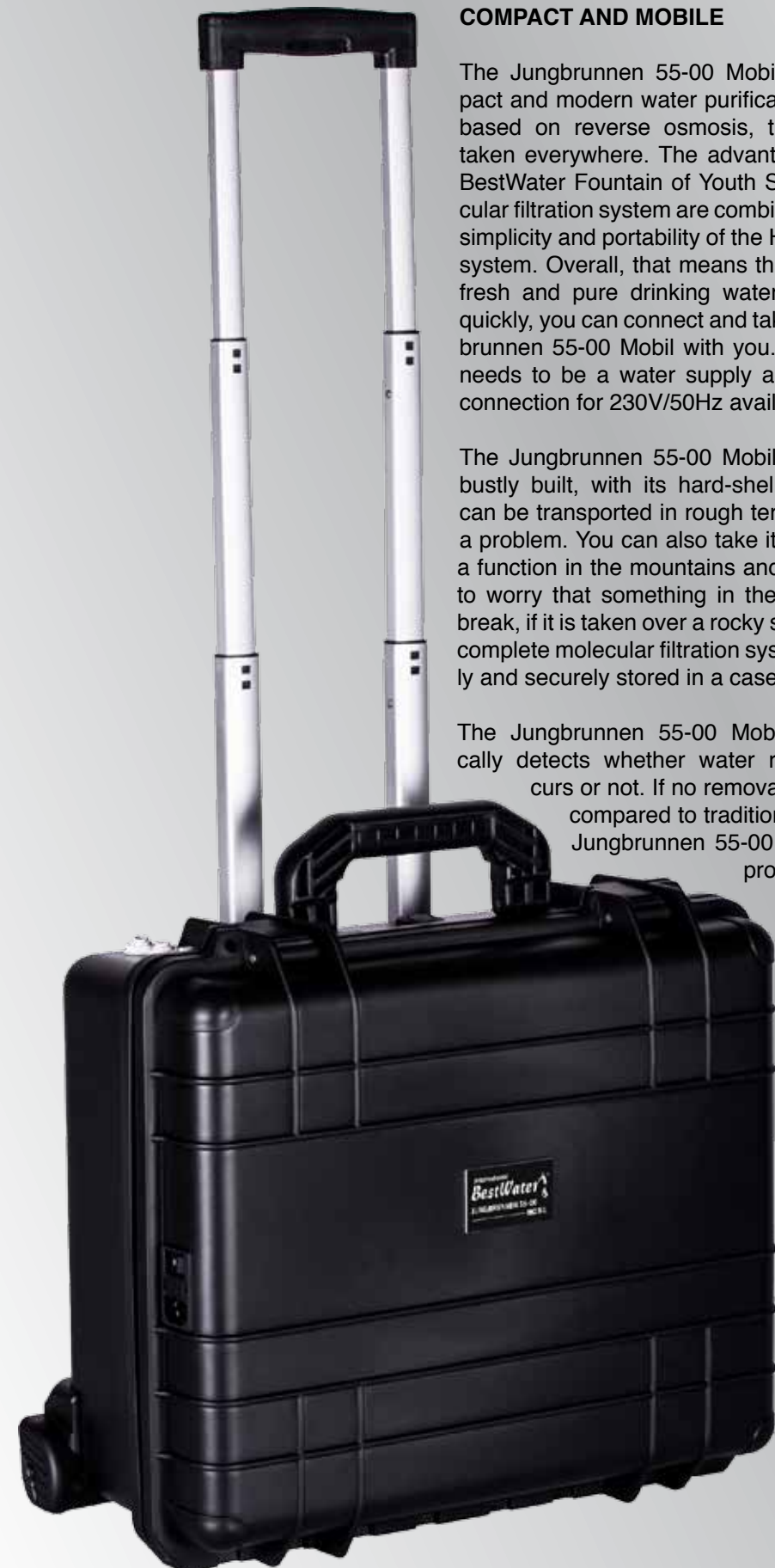
# Everything in one compact case system

## COMPACT AND MOBILE

The Jungbrunnen 55-00 Mobil is a compact and modern water purification system based on reverse osmosis, that can be taken everywhere. The advantages of the BestWater Fountain of Youth Series molecular filtration system are combined with the simplicity and portability of the H&T-2 travel system. Overall, that means that wherever fresh and pure drinking water is needed quickly, you can connect and take the Jungbrunnen 55-00 Mobil with you. There only needs to be a water supply and a power connection for 230V/50Hz available.

The Jungbrunnen 55-00 Mobil is very robustly built, with its hard-shell case, and can be transported in rough terrain without a problem. You can also take it with you to a function in the mountains and don't have to worry that something in the device will break, if it is taken over a rocky surface. The complete molecular filtration system is safely and securely stored in a case.

The Jungbrunnen 55-00 Mobil automatically detects whether water removal occurs or not. If no removal occurs, there is also no power. The main advantage compared to traditional water purification systems is that you can take the Jungbrunnen 55-00 Mobil with you, without having to deny yourself the proven BestWater water.



There are many areas of use for the Jungbrunnen 55-00 Mobil. Whether it's traveling, all kinds of meetings, like sporting events, seminars or schooling. The system can be connected in hotels, hostels, boarding houses, summer homes, mobile homes or sailboats. But on sailboats, the additional pre-filter and a suction pump for the water must be installed, in order to ensure the smooth operation of the molecular filtering system.

Optional for standard use with a tap, a 5 liter pressure tank can be attached to the Jungbrunnen 55-00 Mobil, to store the water and then use it later.

# High energy water

## WATER PURIFICATION OF THE JUNGBRUNNEN 55-00 MOBIL

### 1. Water pre-purification in the pre-filter system

The tap water flowing into the system will be prepared in the pre-filter system for the actual water purification. The two-parallel continuous active carbon filter, consists of coconut charcoal, zeolite mineral, coral sand and silicon granules that filter out the dissolved gases like chlorine, hydrocarbon and ammonium attached to the water. The two-parallel continuous active sediment filter, removes large particles and suspended sediment, so that the fine pores of the membrane remain free.

### 2. Water purification through reverse osmosis

In the next step, the treated water arrives at the molecular filter and is freed of all impurities through reverse osmosis. Reverse osmosis uses the natural osmotic power of water, only in reverse: Under pressure, the water will be pressed through a multi-layer, fine pore membrane, whose pores are so small that only water molecules can pass through. All larger molecules are retained, with a rejection rate of up to about 99% of the membrane, and are then led to the drain.

### 3. Water Energization

After purification, the water is, indeed, in a chemically pure state, due to the reverse osmosis, but it still carries the information from the contaminants it came in contact with earlier. Therefore, before the removal, it flows through the „High-performance Energizing Module“ and the „Aqua-Lith Crystal Energy“ Module.

The High-performance Energizing Module:

01. Pure quartz
02. Coral sand from the Caribbean
03. Silicon dioxide granulate, charged with the frequency of the seven-color spectrum of sunlight
04. eClypsi energizing with 90,000 Bovis units
05. Glass generator with the original healing vibrations of the healing waters from Lourdes, Fatima and Mekka
06. Stainless steel coil for water turbulence
07. Amethyst gemstones
08. Glass generator „Discharge of radioactivity“

### 4. Water revitalization with Aqua-Lith Crystal Energy

In the last module, the osmosis water now first flows through a layer of micro silicon crystals. Here, the water will move up to be programmed with the biophoton energy in a high frequency vibration. Additionally, the energized water is swirled through zeolite mineral. In this volcanic rock that is millions of years old, pure crystalline water is stored. Meanwhile, valuable information is also transferred to the water. So it gets back to its basic force and vigor and tastes like fresh spring water.



# Install, plug in and enjoy

The Jungbrunnen 55-00 Mobil was designed for mobile use. For athletes, groups and small events. Wherever clean drinking water is needed for a short time or the location is frequently changed, the system can be used. Because the Jungbrunnen 55-00 Mobil works without a reservoir pressure tank, it is operational in less time and provides you with clean drinking water in the usual BestWater quality. But a 5-liter reservoir pressure tank can optionally be connected to the water storage with the system. The entire molecular filter system comes with the booster pump in a single, solid, hard-shell case. So you always have everything on hand.

## TECHNICAL INFORMATION:

Measurements  
 Height x Width x Depth: 410 mm x 340 mm x 140 mm  
 Weight: approx. 11.7 kg  
 Water output: up to approx. 800 l. / day  
 (With approx. 6 bar water pressure)  
 Minimum pressure: 22 Psi (approx. 1.5 bar)  
 Type of connection: Quick release  
 Connection: M 22 / M 24 Mixing battery

## REQUIREMENTS FOR TAP WATER:

Water temperature: 4.4 °C - 40.5 °C  
 Water pressure: 1.5 bar - 4.5 bar  
 pH value: 6.5 to 9.5  
 Iron content: < 0.2 mg/l  
 Salt content: < 2000 mg/l

## BOX CONTENTS:

Connector coupling M22 / M24  
 Plastic hose, diameter 1/4", length approx. 5 m  
 Power cable  
 User manual



# We create jobs in Germany

## RESPONSIBILITY FOR THE FUTURE



The BestWater GmbH is a medium-sized, well-managed, and internationally successful company. From the beginning, as a family business, we have produced and distributed high-quality water purification systems for private households, businesses and food service industries. Together, we said „YES“ to Germany as a business location.

## WE CREATE JOBS IN GERMANY

Our employees are irreplaceable. As a company that is located in Germany, we benefit from a high local level of education. But education is not the only factor of success. The personal engagement of every individual makes the success of a company. For that reason, we create jobs in Germany.

## ADDITIONAL COMPONENTS OF GERMAN SUPPLIERS

We cannot produce everything at our premises. And that

is also good in our world. In order to benefit from the high level of education of other companies, we only purchase our additional components from such companies that are also local in Germany.

## WE INVEST IN GERMANY

With the location of Germany in the heart of Europe, open to anyone who invests in Germany, the entire European Union market, as well as, the Central and Eastern Europe markets have a total potential of 853 million people. But those are just the numbers. We are also happy to invest in Germany, because it is our home.

## WE PAY TAXES IN GERMANY

Who is happy to pay taxes? But with our taxes, we support our education system and invest in the future. Kindergartens, modern schools and new streets come from our tax dollars. We are in the fast lane, so give us gas and we will keep our tax dollars in Germany!

## WE PRODUCE A QUALITY GERMAN BRAND!

Whoever supports this initiative, supports Germany and invests in the future!

## Benefits at a glance - Put together for you:

- ALWAYS PURE DRINKING WATER, THAT MEANS AT ANY TIME OF THE DAY
- ITS OWN WATER SOURCE IS ALWAYS THERE
- HAULING WATER TANKS ARE A THING OF THE PAST
- A DELIVERY SERVICE FOR DRINKING WATER IS NO LONGER NECESSARY
- NO BOTTLE DEPOSITS AND NO MORE BURDENS
- NO RETURNING DEPOSITS
- TEA AND COFFEE SAVINGS OF UP TO 30%
- NO MORE TEA AND COFFEE STAINS ON YOUR DISHES
- NO LIME ON YOUR GLASSES
- MUCH LOWER CONSUMPTION OF CLEANING AGENTS



Water filter and Health Systems [www.BestWater.de](http://www.BestWater.de)

The best water in the world is always at hand

Jungbrunnen  
**55-00**  
 Mobil



This brochure was presented by:

