

# Best energized potable water from your own water source!

# Jungbrunnen 66-10 and 66-11 Application and advantages

# Now even more applications!

# Best investment in healthy future

## NEW REVOLUTIONARY POTABLE WATER PREPARATION METHOD

BestWater has for many decades been a leading manufacturer of water treatment systems which use reverse osmosis solutions. BestWater's Jungbrunnen 66-10 is groundbreaking potable water preparation equipment. The long experience of our design team and countless hours of design works allowed us to develop new generation of portable water treatment systems for your home.

Jungbrunnen 66-10 and 66-11 filters allow you to obtain the cleanest and freshest potable water you have ever seen!

No matter what meals you prepare, BestWater water will help you to bring out the best taste allowing you to enjoy the best flavour ever. Your family and friends will be delighted with the richness of taste of your meals and drinks!

Both systems use Direct-Flow solution which means that water is produced without the use of a storage tank. The system has a compact structure and its size corresponds to that of a bottle crate. It is capable of producing up to 120 litres of clean energized potable water per one hour.

## PERFECT IN EVERY DETAIL!

## FILTRATION

### 1. WATER PRE-CLEANING WITH INITIAL FILTRATION

Tap water supplied to the machine is prepared within the initial filtration system prior to actual cleaning. The active carbon filter composed of coconut shells, zeolite, coral sand and silicon granulate traps gases dissolved in water such as chlorine, hydrocarbon or ammonia compounds. Both sedimentation filters remove larger contaminants and volatile substances preventing the clogging of the fine membrane pores.

### 2. WATER PURIFICATION USING REVERSE OSMOSIS

Next, water is supplied to the particle filter and is cleaned from all contaminants using the reverse osmosis process.

Reverses osmosis uses natural osmotic properties of water but in a reverse way: pressurised water is pumped through a multi-layer membrane with microscopic pores which allow only water particles to pass.

99% of all other particles are stopped and drained.

### 3. WATER ENERGIZATION

Following reverse osmosis, water is already clean from chemical contaminants but it has lost some of its energy potential as a result of the treatment. Therefore, it is first subjected to energization in two energizing modules.

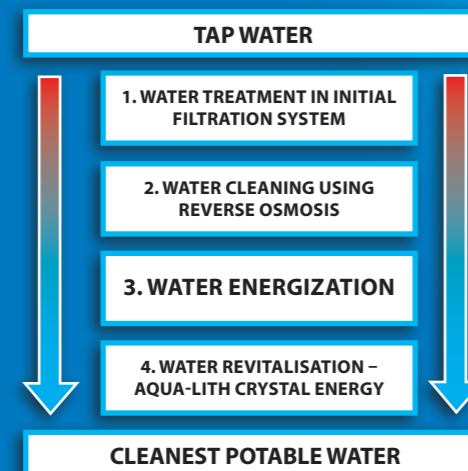
## HIGH-EFFICIENCY ENERGIZING MODULE

1. Zeolite minerals
2. Mountain crystal
3. Coral sand from the Caribbean
4. Granulate containing silicon dioxide, energized with biophotons
5. Granulate containing silicon dioxide, energized with seven colours of sunlight
6. eClypsi energization – 90.000 Bovis units
7. Glass generator with water from Lourdes, Fatima and Mecca which has medicinal properties due to the unique water particle vibrations
8. Spiral from high-grade steel for clockwise motion of water
9. Amethyst crystals
10. Glass generator for „removing radioactivity“

## 4. WATER REVITALISATION USING AQUA-LITH-CRYSTAL-ENERGY MODULES

In the last module, osmotic water flows through one layer of silicon microcrystals. Here, water is subjected to the programmed high-frequency biophotonic energizing vibrations. In addition, energized water is pumped through the zeolite applying vortex movement. That volcanic mineral contains millions-years-old crystal clear water. The health-giving properties of the mineral are released into treated water.

## OPERATING DIAGRAM:



## DIRECT-FLOW

"Direct-Flow" means that the device produces from 1.7 to even 2 litres of the cleanest potable water within one minute. Thus, water, following treatment, is supplied to the tap so fast that there is no need for an additional storage tank to be fitted. The membrane of the molecular filtration system is briefly washed in an automatic cycle after producing 150 litres of perfectly clean water. Optimized subassemblies ensure a clean water output of 1 litre out of only 2.2 litres of raw water.

## HIGH QUALITY ALUMINIUM HOUSING

All components of Jungbrunnen 66-10/11 filter are enclosed within a high quality housing made of high-gloss varnished aluminium. The system is offered in two colour versions: white and blue.

All housing elements were cut and drilled by an industrial robot with the use of laser technology ensuring highest accuracy.

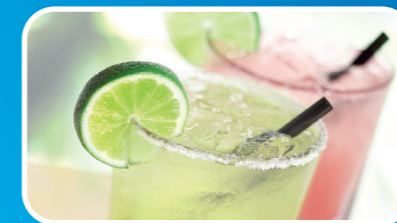


## UNDISTURBED PLEASURE OF TASTE

Are you professionals? If yes, you should use only potable water treated using BestWater system. Your herbs will taste as never before. Your family will be delighted with the taste and flavour of your meals.

## PREPARING MEALS

Tap water with chemical additives, salts and organic impurities often destroys natural flavour of vegetables, soups and other meals prepared in boiled water. Owing to potable water obtained from our system, all meals retain their natural flavour.



## JUNGBRUNNEN 66-11

Jungbrunnen 66-11 is an extended version of Jungbrunnen 66-10. This water treatment system not only produces potable water but provides clean and scale-free water for your washing machines and dishwashers.

To ensure sufficient amount of water at any time, Jungbrunnen 66-11 is delivered with a 12 l pressure storage tank. If you intend to use several water receivers at the same time, we recommend that you choose a larger tank.



No other domestic molecular filtration system offers the same possibilities as Jungbrunnen 66-11!

## BEST SIZE-TO-CAPACITY RATIO

The system's size corresponds to that of a bottle crate positioned upright. With potable water capacity of 2,500 litres per day, the device offers the best size-to-capacity ratio. Competitive products need to be 4 to 7 times larger to reach the same capacity.



## LESS WASHING POWDER AND NO NEED TO USE SOFTENER\*

Soft water obtained from BestWater filtration system allows you to save up to 70% of washing powder. Washed clothes are soft and fluffy, making redundant the use of harmful softeners. This will allow you to save money and contribute to environment protection.

## CLEAN AND SHINING GLASSES\*

Your cutlery and glasses will shine as new even without water softening salts and polishing agents! This will allow you not only to save money and help to preserve the environment but will protect you against harmful surfactants, solvents and preserving agents on your dishes.



## AROMATIC BREAD

Bread prepared with the use of water from BestWater system has invariably good taste and remains fresh for long regardless of the properties of your tap water. This crystal clear water allows you to have a full control of flavour and decide on the final product.



## BEST COFFEE FLAVOUR

Coffee and tea flavour has never been better. Why? Now with Best-Water solution it is only coffee or tea taste and not that of salt or tap water impurities that you can feel. Coffee or tea lovers will quickly notice the difference. Also, squashes taste great when prepared using clean water.

\*Washing machine and dishwasher supplied from Jungbrunnen 66-11 only!

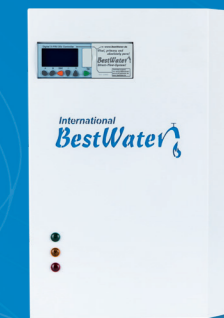
## INSTALLATION AND OPERATION

Now installation is easier than ever before. All inlets and outlets are permanently connected with the housing and arranged so that no single component protrudes. The housing has a simple shape, making it very practical.

The control system is accessible from the front side. It is used for control and adjustment of all water production processes.

The control system informs about filtration inserts replacement time and the necessity of washing operation to be carried out, as well as indicating actual device status.

The cutting edge technology employed in the system enables improvements and optimisations to be made at any time by updating the software. This will allow you to add new functionalities to your system and ensure its compliance with the latest technology.



## TECHNICAL DATA

### JUNGBRUNNEN 66-10/11

|                                  |                          |
|----------------------------------|--------------------------|
| Height x width x depth           | 421 mm x 295 mm x 430 mm |
| Weight without water             | approx. 19 kg            |
| Power supply                     | 230 V ~ 50 Hz            |
| Power consumption at operation   | 170 W                    |
| Power consumption at standby     | < 1 W                    |
| Water connection                 | 3/4" outlet hose         |
| Connection to sewage             | 3/4" outlet hose         |
| Water output per 24h             | 2,500 l                  |
| Water output per min.            | 1.7 l                    |
| Fresh water to drain water ratio | 1 : 1.2                  |
| Raw water demand per min.        | approx. 4 l              |

### STAINLESS STEEL TANK (ONLY JUNGBRUNNEN 66-11)

|                        |                           |
|------------------------|---------------------------|
| Height x width x depth | 385 mm x 280 mm x 280 mm  |
| Capacity               | approx. 12 l              |
| Outlet pressure        | 0.4 - 3.2 bar             |
| Connection             | 3/8" quick-fit connection |

### TAP WATER REQUIREMENTS

|                         |              |
|-------------------------|--------------|
| Minimum system pressure | 1.5 bar      |
| Maximum system pressure | 4.5 bar      |
| Water temperature       | 5°C - 40.5°C |
| pH value                | 6.5 bis 9.5  |
| Iron content            | < 0.2 mg/l   |
| Salt content            | < 2000 ppm   |

## SCOPE OF DELIVERY FOR JUNGBRUNNEN 66-10

1. Jungbrunnen 66-10 (primary device)
2. 3/8" connecting hose with 3/4" connector
3. Stainless steel battery
4. Connecting hose for connection to receiver (ca. 5 m)
5. Connector for accessories

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6. 12 l pressure buffer tank (for connection to a washing machine or/and dishwasher)

## CLEANING LEVELS / ENERGIZATION

- 1 x Filter with active carbon
- 2 x Initial cleaning sedimentation filter
- 4 x Filmtec TFC membrane
- 1 High-efficiency energizing module
- 1 Aqua-Lith Crystal Energy energizing module

## 30 YEARS GUARANTEE\*\*

Guarantee validity is subject to regular replacement of filtration inserts.

If you require further information, please contact us on the telephone or via e-mail!

\*\*Detailed guarantee conditions are contained in our General Sales Conditions

# Why choose BestWater filters? There are 12 reasons why!

# Location: Germany We create jobs

# Jungbrunnen 66-10/66-11

# How reverse osmosis works? Mother Nature shows the way

## THERE ARE A NUMBER OF REASONS TO GO FOR BESTWATER SYSTEM

Advantages over competition are plain to see. Below are several examples:

No alloys used frequently by many competing manufacturers containing and releasing e.g. copper, lead, chromium or brass into water. This helps to avoid chronic intoxication.

Best Water filters use only certified pressure storage tanks for osmotic water with natural rubber membranes. In the case of filtration systems offered by some manufacturers, the most important element – membrane – must be purchased and replaced every 2-3 years or even more frequently. The Best Water membrane life is ca. 10 years and if necessary is replaced as part of the 30 years guarantee.

Best Water filters are enclosed in solid aluminium frame casings. The casing protects structural elements against external damage.

Best Water filters capacity is certified by the accredited BEWAG test laboratory. In addition, Best Water received an expert opinion confirming that Best Water systems are the only globally known systems capable of removing radioactive substances from water.



Water system are free of Bisphenol A.

BestWater is a recognised company present on the market for 20 years. For all this time we have built water filters and we know what areas to focus on to obtain high quality water treatment systems. We do not have to combat problems faced by competing companies entering the market.

Many manufacturers of water filtration systems offer products which do not have necessary permissions to be sold on the German market. If such devices are connected to water systems in Germany and damage from water occurs, insurance coverage does not apply and the costs must be covered out of one's own funds. Best Water filters meet all requirements of relevant EC directives. In this way you are protected against flooding and damage from water because you retain insurance coverage.



Generally, the bulk of funds spent in sales business is on advertisements, storage and transport of goods. Best Water company decided to choose direct sale channel. In this way, the product does not get in the hands of sales agents which needlessly increases its price and your costs but is handed directly over from BestWater to you via only one distributor. Each distributor is entrusted with the responsibility of maintaining their expert knowledge on filtration to the extent reflecting the latest technological advancements and allocated the task of providing expert information. We value more expert advice than unnecessary and costly promotion. This enables us to deliver first-class customer service.

## RESPONSIBILITY FOR THE FUTURE



We are a medium size enterprise achieving successes on a global scale. Established as a family owned company, we manufacture and sell high quality water treatment systems for households, companies and catering industry. We all say YES to location in Germany.

## WE CREATE JOBS IN GERMANY

Our employees are irreplaceable. As a Germany-based company we can use the high level of education that Germany offers. However, education itself is not a key to success. A company's success depends on personal commitment of each employee. That is why we create jobs in Germany.

## ADDITIONAL COMPONENTS ARE ORDERED FROM GERMAN SUPPLIERS

Not all elements are manufactured in our facility so we use competence of other companies. We order our additional subassemblies only from German companies.

## WE INVEST IN GERMANY

Central location in Germany—in the heart of Europe—enables every one who invests here to have an access to the entire EU market and the markets of the Central and Eastern Europe with 853 million of potential customers. However, these are just numbers. We are willing to invest in Germany as it is our home.

## WE PAY TAXES IN GERMANY

Nobody likes paying taxes but have you ever thought what happens with taxes paid in Germany? By paying taxes we help to maintain educational system and thus invest in the future. Kindergartens, modern schools and new roads are all built out of our tax contributions. We all have to make sure that our taxes stay in Germany!

## WE CREATE GERMAN QUALITY

Those who support our initiative support Germany and invest in the future!

## Short list of the biggest advantages:

- BEST AND CLEANEST POTABLE WATER FOR YOUR FAMILY
- CLEAN POTABLE WATER AT ANY GIVEN TIME
- YOUR OWN SOURCE OF WATER IN YOUR RESTAURANT
- NO NEED TO LUG HEAVY CRATES
- NO NEED TO ORDER POTABLE WATER
- NO RETURNABLE BOTTLES AND TROUBLE WITH THEIR RETURN

## RETURN

- UP TO 30% SAVING ON COFFEE AND TEA
- NO TEA OR COFFEE SEDIMENTS ON YOUR DISHES
- GLASSES FREE OF SCALE SEDIMENTS
- SUBSTANTIAL REDUCTION IN USE OF WASHING UP LIQUID

## If you find our innovative technology convincing enough, place an order with our distributor!

This brochure was brought to you by:



Water filter and health protection systems [www.BestWater.de](http://www.BestWater.de)



Highest quality and accuracy

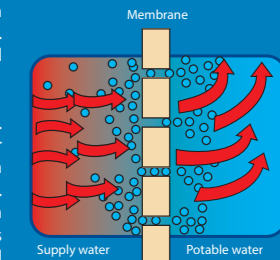


## REVERSE OSMOSIS

Osmosis occurs in the natural environment and in all living organisms. It is the process of obtaining balance between concentrations of two liquids using a semipermeable membrane. As a result of this process, different amounts of water are obtained on both sides of the membrane.

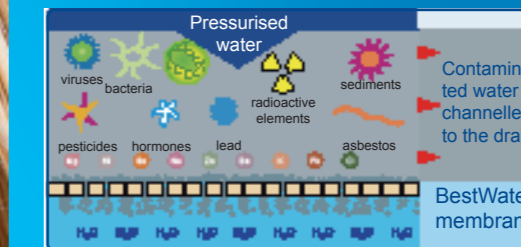
The reverse of this phenomenon can be used in water treatment. This is possible owing to the fact that the direction of water flow may be controlled by high pressure, not in order to obtain dispersion and equalisation but to eliminate harmful components. This means in practice that when a salt solution is pressed through the membrane we receive water particles only. Harmful substances dissolved in water are stopped on one side of the membrane and we obtain clean water on the other side.

the film roll) as a permeate (cleaned water) to the inside of a perforated tube. The other enters across the entire tube leaving it on the other side.



## MOLECULE FILTER MEMBRANE

The multi-layer molecule filter membrane is so thin that it lets out water molecules only. Larger molecules are stopped and drained (see step B).



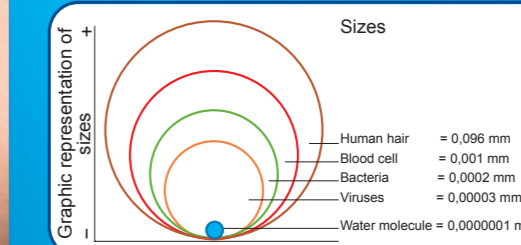
As the pore size diameter of 0.1 nanometre (one millionth of millimetre) is within the size of the smallest molecules, reverse osmosis is also termed molecule filtration. Only water molecules are small enough to get through the pores. The heart of each filtration device is a multi-layer membrane made of organic polymers. The process which has successfully occurred for million of years within the natural environment and which is being destroyed by humans can be reversed in the case of water using laser technology.

The most common are CTA and TFC polymer film membranes. CTA means "cellulose triacetate" and TFC stands for "thin film composite". Both types of membranes differ in the American and European markets in terms of quality and price. In Europe, CTA membranes are frequently offered at a higher price approximating that of TFC membranes. If used constantly, the life of CTA membranes is maximum 12 months whereas that of TFC is many years. Best Water devices use only TFC Filmtec membranes. Only these membranes ensure that the quality of water remains invariably high.

In terms of quantity, the process has no influence on potential adverse or positive effect that a given substance has. It means that both harmful substances and minerals dissolved in water are removed. From the point of view of nutrition, the second aspect is negligible as the sole consumption of water does not satisfy the body's daily demand for minerals, even if we suppose they are assimilable.

Tests and numerous expert reports show that water, if free of all foreign substances, has a relieving effect on the human organism.

A number of experiments conducted worldwide confirm advantages of reverse osmosis used both on a industrial scale and in products intended for individual users. One of the examples is an American publication dated October 2007 describing good results of use of reverse osmosis in the area contaminated by arsenic.



## MEMBRANE STRUCTURE AND MATERIALS

Membranes are made of various materials. The main materials are films. Highly pressurised water (ca 3-6 bar) flows (perpendicularly to the film roll) through the empty spaces between the rolls and is divided into two streams. One stream flows through the membrane's fine pores and is sent (this time flowing towards