Jungbrunnen 88-00
Operating Principles

STAGE 1:
WATER TREATMENT IN THE PRIMARY FILTRATION SYSTEM

Initially running water is prepared in a 20" primary sedimentation water cleaning filter.
Sedimentation filter separates volatile molecules and larger impurities. They can by no means get in the high pressure pump.

STAGE 2:
HIGH PRESSURE PUMP AND MOTOR

Tap water pressure is increased up to 22-25 bar by the high pressure pump.
All pump constituents are made of stainless steel and offer the highest quality. The 1 kW electric motor ensures constant pressure while using 60% of its power. This makes operation safer and minimises risk of failure.

STAGE 3:
HIGH PRESSURE PIPING

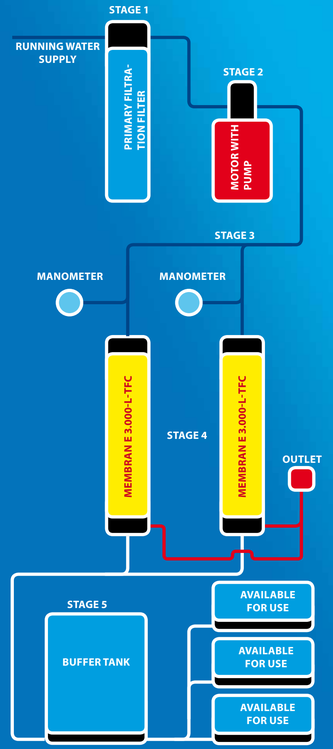
All internal high pressure piping is suitable for contact with food and can operate at a pressure of 150 bar.
All pipe connectors and distributors are made of stainless steel and can be also used with food.

STAGE 4:
40" HIGH PRESSURE FILMTEC MEMBRANES

Two 40" high pressure TFC Filmtec membranes with a total capacity of 6,000 litres a day are capable of removing 97%-99% of all water impurities. Each high pressure membrane is enclosed in the casing made of coiled glass fibre designed for a pressure of 35 bar. Pressure exerted on the membrane is indicated by two high pressure manometers made of stainless steel and filled with glycerine to ensure better operation.

STAGE 5:
WATER STORAGE

Clean potable water is stored in the buffer tank with a capacity of around 20-25 litres and is available at a pressure of 2-5 bar. It is also possible to connect a non-pressure storage tank.



Best results
in every application

APPLICATION IN RESTAURANT KITCHENS
Jungbrunnen 88-80 is designed for catering industry and for use in restaurant kitchens and canteens. Its small dimensions make the system perfectly suitable for installation in standard kitchens. The structure offers possibility of simultaneous use of 2 Jungbrunnen 88-80 systems in standard kitchen furniture with a depth of 60 cm.

BEST COFFEE FLAVOUR

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

PREPARING MEALS

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

AROMATIC BREAD

Bread prepared with the use of water from Best-Water system has invariably good taste. This crystal clear water allows you to have a full control of flavour and decide on the final product.

GENUINE PLEASURE WITHOUT UNPLEASANT AFTERTASTE

Are you professionals? If yes, you should from now on use water from Best-Water system. Your herbs and spices have never had such fine flavour. Your customers will be delighted with the flavour of your meals.

Best components
for the most demanding

JUNGBRUNNEN 88-00

Jungbrunnen 88-00 is designed for catering industry and for use in restaurant kitchens and canteens. Its small dimensions make the system perfectly suitable for installation in standard kitchens.

Very light aluminium casing covered with white RAL paint has removable shields on all sides ensuring easy filter replacement.

CLEAN AND SHINING GLASSES

Your washing liquid is diluted in large amounts of water. Newly washed surfaces have visible streaks and patches on them which can be only removed by washing them again. Mix your washing liquid with Best-Water water and see the shining results!

PERFECT ICE CUBES

Our water stands out in this field as well. Salt contained in water softens ice and causes milky inclusions to form. Water from Best-Water system enables you to obtain harder and clearer ice which melts slower. Your drinks will retain good flavour and taste and ice will not cause flocculent sediments to form in your drinks.

MANOMETERS

Front panel is equipped with an ON/OFF safety switch and two high pressure manometers indicating water pressure for two membranes (in bar). The inside has perfect acoustic insulation fitted in it making Jungbrunnen 88-00 system almost noiseless.

HIGH PRESSURE PUMP

The entire pump is made of stainless steel. The pressure is increased to a maximum value of 60 bar by means of the plunger movement making unnecessary use of high power electric motors. The pump is maintenance-free. The pump is cooled by water that flows through it.

INTERNAL CONNECTIONS

All internal braided tubes used in Jungbrunnen 88-00 are special products suitable for use in contact with food. They are equipped with stainless steel connectors and capable of withstanding a pressure up to 150 bar owing to the thick braiding.

NUMERIC CONTROL

Jungbrunnen 88-00 is a numerically controlled device. The numeric control system controls pump operation, pressure in tubes and water level in the buffer tank. The system may be individually configured on request.

BEST SIZE-TO-CAPACITY RATIO

The casing of Jungbrunnen 88-00 system is only 30 cm wide, 75 cm high and 52 cm deep. Owing to capacity of 6000 litres per day, the device is characterised by the best size-to-capacity ratio. Competitive products must be larger from 7 to 12 times to achieve the same output.

See it for yourself!
Technical Data

TECHNICAL INFORMATION ON JUNGBRUNNEN 88-00
If the data below fails to provide you with all required information, do not hesitate to contact our company.

SYSTEM DATA PART 1

Height, width, depth	750 mm - 810 mm, 300 mm, 520 mm
Weight (without water)	around 60 kg
Power supply	230 V ~ 50 Hz
Power	1.1 kW
Standby	< 30 W
Water connection	3/4"
Outlet connection	Outlet pipe
Water output per 24 hours	6000 l
Water output per minute	4.1 l
Clean water to outlet water ratio	1 : 0.7 to 1 : 1

REQUIREMENTS FOR TAP WATER

System pressure	1.5 bar
Water temperature	4.4 °C – 40.5 °C
pH rate	6.5 to 9.5
Iron content	< 0.2 mg/l
Salt content	< 2000 ppm

SCOPE OF DELIVERY

1 Jungbrunnen 88-00
1 3/4" connection tube
1 pressure buffer tank – around 25 l capacity
1 stainless steel battery
Connection tube to receiver – 10 m
1 connector pipe for connection of accessories

CLEANING LEVELS / ENERGETIZATION

1 20" primary sedimentation filter, 5 µm nominal
2 Filmtec TFC- 800 GPD membranes
1 Aqualith CE (optional)
1 HE module (optional)

GUARANTEE

The condition necessary for guarantee to remain valid is regular replacement of filter elements. Failure to regularly replace filter elements results in expiry of guarantee .

You need more best quality water?
No problem. All you need to do is expand your system!

6.000 l in 24 h

12.000 l in 24 h

18.000 l in 24 h

Why choose Best Water filters? There are 12 reasons why!

THERE ARE MANY REASONS TO CHOOSE BEST WATER 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 10 years.

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

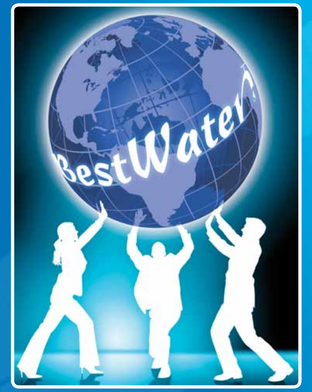
Best Water filters capacity is certified by the accredited BEWAG test laboratory. In addition, Best Water received an expert opinion confirming that Best Water systems are the only globally known systems capable of removing radioactive substances from water.

Some producers manufacture their products in the Far East where it is common practice to use Bisphenol, softeners and monomers in the manufacture of such systems, putting their customers at risk. Theses substances are released to water and disturb the biological balance in a human body. Best Water uses only materials suitable for contact with food and permitted to be used with osmotic water supplied by reputable producers.

In order to avoid using health-threatening adhesives, Best Water connects respective plastic elements of the system using rotational welding techniques developed specially for this purpose. All plastic elements of Best Water system are free of Bisphenol A.

Best Water 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 Best Water 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.

Location: Germany We create jobs

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.

Short list of the biggest advantages:

- BEST AND CLEANEST POTABLE WATER FOR YOUR CUSTOMERS
- 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
- UP TO 30% SAVING ON COFFEE AND TEA
- NO TEA OR COFFEE SEDIMENTS ON YOUR CHINA
- GLASSES FREE OF SCALE SEDIMENTS
- SUBSTANTIAL REDUCTION IN USE OF WASHING UP LIQUID

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 offering 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!

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

This brochure was brought to you by:

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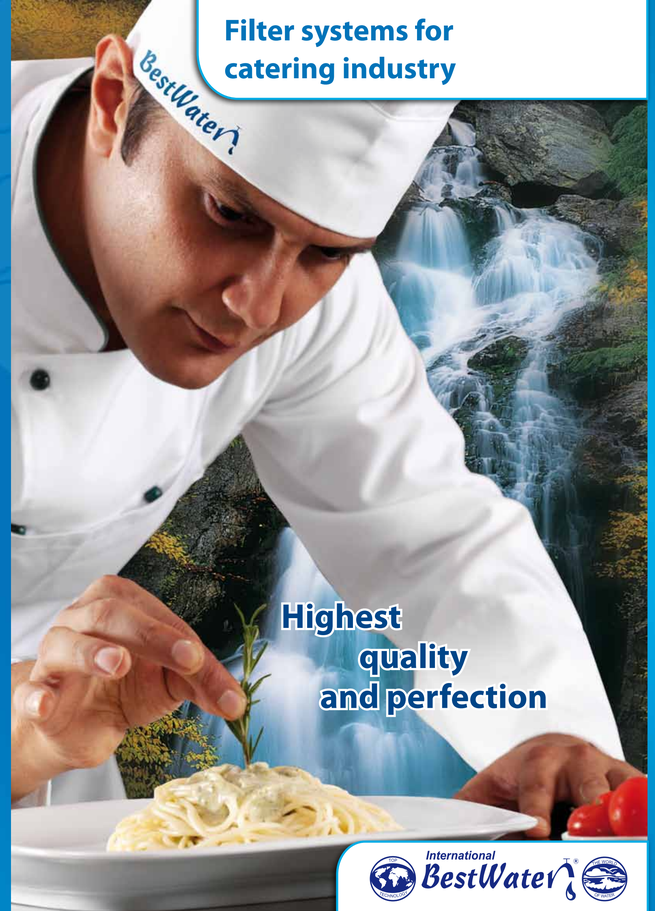
International BestWater

Water filter and health protection systems www.BestWater.de

Filter systems for catering industry



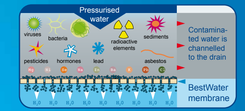
International BestWater

How reverse osmosis works Mother Nature shows the way

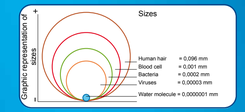
REVERSE OSMOSIS

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.

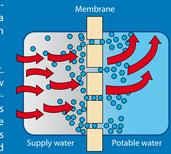


As the pore size diameter of 0.1 nanometre (one millionth of millimetre) is within the size of the smallest molecules, reverse osmosis is also termed molecule filtration. Only water molecules are small enough to get through the pores. The heart of each filtration device is a multi-layer membrane made 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.



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 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).

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 yeas. Best Water devices use only TFC Filmtec membranes. Only these membranes ensure that the quality of water remains invariably high.

QUALITY – examination of water obtained in the reverse osmosis process. Reverse osmosis enables liquid and solid substances to be removed from water almost in their entirety.

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.