



Pure water. For business & pleasure.

CONFIDENCE RO 400 FOR A PURE, EASY AND HEALTHY LIFE.

 **Confidence** RO 400



The water of life

Water is the most important nutrient. Unfortunately, water is affected by those thousands of substances, which are found in wells, aquifers and water pipes. Natural as well as highly unnatural substances contaminate water causing changes in character and taste, as well as producing toxic effects.

Fortunately, there is a safest, most effective and convenient solution to the problem – Confidence RO 400.

Confidence RO 400. Pure pleasure.



Water is health

Water is good for your body and soul. Of course you want to be sure that the water you drink is free from harmful substances. Confidence RO 400 effectively removes almost any substance, such as micro-organisms, heavy metals and toxins. What remains is what you want – cool, safe and truly pure water.



Pure miracle

Reverse osmosis is the most effective method of purification. Confidence RO 400 masters this technique to perfection. Thus, it is more capable than other compact systems, in relation to both capacity and ability to handle contaminated water. Advantages that make a difference.

For home & business

Truly pure water. For achieving the best taste of food and drink. For rinsing, washing and bathing. But most of all, for your health. And for your loved ones. Furthermore, we provide special models which are adapted to demanding commercial and small industrial applications, in which the best combination of compact size and high capacity is required.



Simply superior

Confidence RO 400 uniquely combines large capacity and high efficiency, with an attractive and compact design to fit all modern homes. As there's no need for any bulky tank, it's easily installed under your kitchen sink. And unlike other reverse osmosis-systems, Confidence RO 400 makes efficient use of inlet water.



The most demanding users

We are committed to providing the very best water purification systems. Thus, we adhere to the most demanding users, which always look for great convenience, reliability, high performance and attractive design. We are proud to say that we have succeeded. In addition, we have managed to come up with products that can handle very tough conditions, thanks to innovative technical solutions. The Confidence RO 400 range includes models that handle very difficult water from private wells, even brackish water. Other models are specially adapted for requirements of commercial users. Finally, our most recently launched product is our very smart reverse osmosis system that supplies pure water for any purpose, regardless of flow rate requirements: Confidence Fullhouse. For your home or business.

Life will be easier

Water bottles and containers are heavy and bulky. The easiest solution to do without these, is to install an efficient water purifier. Then you have pure and healthy water in your own home. Less costly – and much more convenient! Welcome to an easier and healthier way of living ...



The world's best water purifier.

Pure water. It sustains life. If you tap water from your own private well, it is not at all to be taken for granted that your water quality is as good as it could or should be. Did you know that you can produce in your own home, a water of higher quality than a water works can provide?

A contaminated water can be of many types; discolouration due to sediment, iron or manganese, or much more serious problems such as bacteria, nitrates and pesticides. These are common problems, but still only very few among the enormous variety of substances that may occur in water.

Stop worrying about the effects of bad water. For the sake of your appliances and other goods.

Appearance and taste. Convenience. Stop lugging bulky and heavy bottles. But most important of all, caring about your health and the health of your loved ones. Simply, do not put up with bad water anymore.

The water purifier, Confidence RO 400 makes you rest assured that your water is safe and sound. On tap you receive a rich and continuous flow of nothing but the purest water. That is what you crave.

Without a doubt, the best, healthiest and most intelligent solution for the one who demands truly pure water. Always available when you need it. The way you want it to be, whether in the city or in the country.

Confidence RO 400



A water purifier intended for installation under a kitchen sink. It includes a tap/faucet for purified water. Confidence RO 400 will handle almost any type of well water, except for water that contains a very high salt content. For such water, brackish water, choose our model Confidence RO 400B.

- The best purification method – reverse osmosis.
- Direct flow from the mains water supply to the tap/faucet.
- No bulky water tank with stagnant water.
- Modern and compact design – fits easily under a kitchen sink.
- High flow rate: 4 litres/minute, 1 US gallons/minute.
- Display for safe and easy control.
- Continuous monitoring and control of water quality.
- Easy and low cost maintenance.
- Superior efficiency, capacity and life length, due to unique innovations such as the patented loop circulation system.
- State-of-the-art technology – made in Sweden.

TECHNICAL SPECIFICATION

Purification technology

Reverse osmosis

Pre-filters

Activated carbon filter
Sediment particle filter

Membrane

Spiral-wound
Thin Film Composite (TFC)

Flow rate

3.5 ±0.5 litres/minute at 15 °C
0.9 ±0.1 gpm at 59 °F

Water efficiency / recovery rate

80% during operation*

Power consumption

530 W

Dimensions

460 mm x 255 mm x 466 mm

Weight

29 kg

REQUIREMENTS OF INLET WATER

Pressure

1.5 – 10 bar
150 – 1000 kPa
22 – 145 psi

Inlet flow

>8 litres/minute

Temperature

2 – 40 °C (36 – 104 °F)

Maximum salt content (TDS)

1500 mg/l (1500 ppm)

Maximum conductivity

200 mS/m (2000 µS/cm)

Maximum hardness **

<20 °d

Maximum iron content (Fe²⁺) **

5 mg/l (ppm)

Maximum iron content (Fe³⁺) **

0.3 mg/l (ppm)

Maximum manganese content **

0.8 mg/l (ppm)

REQUIREMENTS OF INSTALLATION

Power supply versions

230 V, 50 Hz,
10 A, grounded
110-120 V, 60 Hz,
20 A, grounded

Connection to drainage

Ø20 mm

Connection to inlet water

1/2" or 3/4" external thread,
with shut-off valve.

REDUCTION PERFORMANCE

– for examples of substances which
may be found in water:

Turbidity (cloudiness) >99%
Colour >99%

Inorganic substances

Cations/Metals

Sodium >96%
Potassium >97%
Calcium/magnesium (hardness) >99%
Aluminium >99%
Iron >99%
Manganese >99%
Cesium >99%
Strontium >99%

Cations/Heavy metals

Copper >99%
Lead >99%
Zinc >99%

Mercury >99%
Cadmium >99%
Chromium >98%
Nickel >99%
Anions
Fluoride >99%
Chloride >98%
Nitrate/nitrite >97%
Sulphate >97%

Organic substances

Hydrocarbons

Heptane, octane, decane, etc >98%
Benzene, toluene, xylene,
ethyl benzene, etc >99%
Diesel oil >99%

Polycyclic aromatic hydrocarbons

PAH >99%

Chlorinated hydrocarbons

Haloethanes, haloethenes >99%

Trihalomethanes (THMs)

Trichloromethane >60%
Bromodichloromethane,
dibromochloromethane,
tribromomethane >99%

Pesticides and insecticides

PCB, DDT, atrazine, lindane >99%

Micro-organisms

Heterotrophic bacteria >99%
Colliform bacteria,
Enterococcus faecalis, E.coli >99%
Cryptosporidium, Giardia lamblia >99%
Cholerae, Legionella,
Hepatitis A, Polio >99%
Salmonella, Shigella dysenteriae >99%
Endotoxins: LPS from algae >99%

* Meaning that 80% of inlet water comes out
as pure water.

** If values exceed maximum requirements,
relevant pre-treatment is required.



Brackish water?

Brackish water is what we call a type of water that contains a very considerable proportion of salts, often caused by penetration of sea water. On a large scale this is what describes water of the Baltic Sea. But most often, brackish water is found in private wells and aquifers in coastal regions. It is very difficult to purify.

For long it was only convenient to use large and very costly industrial type systems to purify brackish water. Small systems do not satisfy. With one exception.

Confidence RO 400B is a compact, convenient and effective water purifier that turns brackish water into

pure and fresh water. On demand. When intended for kitchen use and drinking water, there is no need for any storage tank, because all our water purifiers can deliver, directly and continuously, pure water on demand. Storing drinking water is never a good thing, because bacteria thrive in stagnant water. Tankless is more. More compact. More reliable. More purity.

By method of reverse osmosis, Confidence RO 400B rejects salts and all other types of contaminants. A quick and easy installation is all what it takes, and hence you are ready to enjoy pure and fresh water. Endlessly.

Confidence RO 400 B



This water purifier takes care of brackish water, from the Baltic Sea, private wells or salty aquifers, purifying water that contain up to 7,500 mg/l (ppm). Adapted to fit and install under a kitchen sink. Ideal for your sea side villa.

The best purification method – reverse osmosis.

Direct flow from the mains water supply to the tap/faucet.

No bulky water tank with stagnant water.

Modern and compact design – fits easily under a kitchen sink.

High flow rate: 3 litres/minute, 0.8 US gallons/minute.

Display for safe and easy control.

Continuous monitoring and control of water quality.

Easy and low cost maintenance.

Superior efficiency, capacity and life length, due to unique innovations such as the patented loop circulation system.

State-of-the-art technology – made in Sweden.

TECHNICAL SPECIFICATION

Purification technology

Reverse osmosis

Pre-filters

Activated carbon filter
Sediment particle filter

Membrane

Spiral-wound
Thin Film Composite (TFC)

Flow rate

2.5 ±0.5 litres/minute at 15 °C
0.7 ±0.1 gpm at 59 °F

Water efficiency / recovery rate

60% during operation*

Power consumption

530 W

Dimensions

460 mm x 255 mm x 466 mm

Weight

29 kg

REQUIREMENTS OF INLET WATER

Pressure

1.5 – 10 bar
150 – 1000 kPa
22 – 145 psi

Inlet flow

>8 litres/minute

Temperature

2 – 30 °C (36 – 104 °F)

Maximum salt content (TDS)

7500 mg/l (1500 ppm)

Maximum conductivity

1300 mS/m (13000 µS/cm)

Maximum hardness **

<20 °d

Maximum iron content (Fe²⁺) **

5 mg/l (ppm)

Maximum iron content (Fe³⁺) **

0.3 mg/l (ppm)

Maximum manganese content **

0.8 mg/l (ppm)

REQUIREMENTS OF INSTALLATION

Power supply versions

230 V, 50 Hz,
10 A, grounded
110-120 V, 60 Hz,
20 A, grounded

Connection to drainage

Ø20 mm

Connection to inlet water

1/2" or 3/4" external thread,
with shut-off valve.

REDUCTION PERFORMANCE

– for examples of substances which may be found in water:

Inorganic substances

Cations/Metals

Sodium	>92%
Chloride	>95%

For the performance rate of other substances, please check Confidence RO 400.

* Meaning that 60% of inlet water comes out as pure water.

** If values exceed maximum requirements, relevant pre-treatment is required.



Clean water cleans.

Confidence RO 400 is also available in models which are specifically adapted for commercial and small industrial applications, which require connection with other equipment as well as continuous operation, perhaps for a whole working day.

There are two models known as Confidence RO 400C and RO 400CV, suitable for such operations as dishwashing, coffee-making, car washing, printing, humidification and laboratories. The model RO 400CV is equipped with a special diverting valve, which assures that the purified water to be used, is always of the highest purity.

The most unique feature and great advantage of our range, is the ability to combine a very considerable production of pure water with such a compact format. This means that you are able to save space, which may even be your unconditional requirement. For many, Confidence RO 400 has been the obvious choice for this reason.

It is due to some unique, patented technical solutions, which allow us to take better advantage of the reverse osmosis membrane in terms of capacity.

Squeezing the most out of it. Details are what separate professionals from amateurs.

Confidence RO 400 C/CV



Confidence RO 400C

The model suitable for a great variety of applications, in which one requires a continuous operation for many hours per day. It is adapted for connection with a pressurised deposit tank for storage of purified water and flow adjustment. If brackish water is to be purified, read about model RO 400BC under heading Confidence Fullhouse.

Confidence RO 400CV

Reverse osmosis, or rather the natural process of osmosis, will create diffusion across the membrane when standing still. This means that impurities will move to the pure water side of the membrane, and thus a less than perfectly pure water will come out when operated. This first amount of permeate (purified water) is diverted by a special valve in the model RO 400CV. Only the highest level of purity will be for consumption. With this and all other RO 400 models, the purity level is constantly monitored and displayed.

The best purification method – reverse osmosis.

Modern and compact design – fits easily under a kitchen sink.

High flow rate: 3 litres/minute, 0.8 US gallons/minute.

Display for safe and easy control.

Continuous monitoring and control of water quality.

Easy and low cost maintenance.

Superior efficiency, capacity and life length, due to unique innovations such as the patented loop circulation system.

State-of-the-art technology – made in Sweden.

TECHNICAL SPECIFICATION

Purification technology

Reverse osmosis

Pre-filters

Activated carbon filter

Sediment particle filter

Membrane

Spiral-wound

Thin Film Composite (TFC)

Flow rate

2.5 ±0.5 litres/minute at 15 °C

0.7 ±0.1 gpm at 59 °F

Maximum daily capacity

3 000 litres at 15 °C

Water efficiency / recovery rate

60% during operation*

Power consumption

530 W

Dimensions

RO 400C

460 mm x 225 mm x 466 mm

RO 400CV

460 mm x 265 mm x 466 mm

Weight

RO 400C

29 kg

RO 400C

31 kg

REQUIREMENTS OF INLET WATER

See Confidence RO 400

REQUIREMENTS OF INSTALLATION

Power supply versions

230 V, 50 Hz,

10 A, grounded

110-120 V, 60 Hz,

20 A, grounded

Connection to drainage

Ø20 mm

For RO 400 CV, also 3/8" hose via

air-gap

Connection to inlet water

1/2" or 3/4" external thread,

with shut-off valve.

REDUCTION PERFORMANCE

– for examples of substances which may be found in water:

See Confidence RO 400

* Meaning that 60% of inlet water comes out as pure water.



For any purpose. Home or at work.

If you require, for any purpose, a much higher flow rate and quantity than Confidence RO 400 can produce instantly, then we can provide the very smartest solution: Confidence Fullhouse. For home as well as professional use. It can provide pure water for any purpose in your home; for showering, washing and any other purpose.

Unlike conventional reverse osmosis systems for the whole house, Confidence Fullhouse occupies very little space. It is easier to maintain. It is an attractive household appliance, and not an industrial plant.

Confidence Fullhouse is comprised of a water puri-

fier model RO 400BC, one or more 100 litres open tank, booster pump, alkaline treatment dosage and other supporting equipment which are essential for a perfect operation. Confidence Fullhouse desalinates and purifies brackish water of a high salinity, up to 7500 mg/l (ppm).

As is always the case with reverse osmosis, Confidence Fullhouse does not require any additives or chemicals for treatment of water.

This makes Confidence Fullhouse very easy to maintain, much easier than other types of systems at the point of entry to your house.

Confidence Fullhouse



A whole house system, providing desalinated and purified water for any purpose in your home, or for your business. In its normal set up, Confidence Fullhouse is equipped with water purifier model RO 400BC and one open tank that carries 100 litres of pure water. Additional tanks can be added on request. Model RO 400BC is a water purifier that handles brackish water of a salt content (TDS level) of up to 7500 mg/l (ppm).

The best purification method – reverse osmosis.

Takes up very little space compared to competing products.

Modern and compact design – fits easily under a kitchen sink.

Display for safe and easy control.

Continuous monitoring and control of water quality.

Easy and low cost maintenance.

Superior efficiency, capacity and life length, due to unique innovations such as the patented loop circulation system.

Easily adapted to varying volume requirements.

No corrosion thanks to a patented alkaline treatment device.

State-of-the-art technology – made in Sweden.

TECHNICAL SPECIFICATION

Purification technology

Reverse osmosis

Pre-filters

Activated carbon filter
Sediment particle filter

Membrane

Spiral-wound
Thin Film Composite (TFC)

Flow rate

2.5 ±0.5 litres/minute at 15 °C
0.7 ±0.1 gpm at 59 °F

Tank volume

100 litres in normal set up
(additional 100 litres tanks are optional)

Maximum daily capacity

3000 litres at 15 °C

Fill up flow rate of water purifier

2.5 ±0.5 litres/minute at 15 °C

Water efficiency / recovery rate

60% during operation*

Power consumption

Water purifier 530 W
Distribution pump 750 W

Dimensions of tank/module

600 mm x 275 mm x 870 mm

Normal dimensions in total

600 mm x 550 mm x 870 mm

Weight

100 kg

REQUIREMENTS OF INLET WATER

See Confidence RO 400B

REQUIREMENTS OF INSTALLATION

Power supply versions

230 V, 50 Hz,
10 A, grounded
110-120 V, 60 Hz,
20 A, grounded

Connection to drainage

Ø32 mm

Connection to inlet water

1/2" or 3/4" external thread

Connection to outlet

1" external thread (at distribution pump)

Includes pure water tap/faucet for direct connection to the water purifier. For the purest and safest drinking water, we recommend tapping from the pure water tap.

REDUCTION PERFORMANCE

– for examples of substances which may be found in water:

See Confidence RO 400B

DOSAGE UNIT

Flow-through apparatus that increases pH-level and buffer capacity

TANK WITH LEVEL CONTROL

Volume

100 litres

Water levels

Fill up when water level drops below 80% of tank volume.
Alarm stop for pump at 10% of tank volume.

DISTRIBUTION PUMP

Type

Centrifugal pump, self-evacuating

Power consumption

750 W

Capacity

60 litres/minute at 3 bar

* Meaning that 60% of inlet water comes out as pure water.



Confidence RO 400 has been developed in Sweden by Electrolux and Dometic. To find out more about having easy access to pure and healthy water in your home, please contact your local Confidence RO 400 dealer, call Dometic AB at +46 8 501 025 00 and ask for water purifiers, or visit our web site ...

www.dometic.com/water



Dometic was created in a bold move to reinforce our worldwide leadership and to claim a substantial share of new markets. Our mission is to continually strive for excellence in product development, manufacturing and customer service across all of our product lines.

We are committed to exploring new technologies, increasing the variety of our products and seeking new fields of business. Since 1925, Dometic has built an invaluable heritage comprising Electrolux' famous

absorption technology and an impressive range of convenience products catering for the caravan, recreational vehicle, hotel, medical and other industries.

Dometic shall be identified internationally as a flexible, innovative and customer-oriented company which is well ahead of the competition - simply because our products offer outstanding convenience and performance; a standard which has already created a legend of its own.

Dometic is the world's largest producer of absorption refrigerators, rooftop airconditioning systems, windows, awnings and other vital convenience products for caravans/motorhomes, recreational vehicles, hotel rooms, hospitals, and other areas of use. Dometic has production facilities in Germany, Hungary, Italy, Luxembourg, Mexico, Slovakia, South Africa, Sweden, the US and Canada. Dometic has its own sales and marketing operations in 35 countries plus approximately 65 distributors. In 2001 approximately 3,600 people were employed.