

Omnia *xs^{touch}* Blueline
Pure and ultrapure water systems.
Space-saving. Flexible.
Intuitive. Resource-saving.

sustainable
pure water
solutions



**For demanding applications
in the smallest of spaces.**

In life sciences and labs.

H₂O – WATER IN ITS PUREST FORM

stakpure

H₂O pure. Pure and ultrapure water from the super slim Omnia xs compact system with intuitive *touch* dispenser.

Work space in laboratories must be used efficiently. The Omnia xs system frees up space on the lab bench and makes work more efficient.

Despite the extremely compact design in xs format, the system is exemplary in its resource-saving and completely autonomous operation. Accessories such as a leakage sensor, pressure reducer, and pre-treatment cartridges are already integrated in the compact housing. This saves space in the laboratory and also ensures exceptional operational and work safety.





Reliable. Reproducible. The quality of the ultrapure water is what counts. Consistently high water quality is crucial for the reproducibility of the analysis results. The permanent data storage of all quality parameters and the possibility of outputting USB interface make the analysis results traceable at any time.

Constant, highest quality standard. Our claim is to deliver consistently the highest water quality. Even in ultrapure water systems stagnant water can lead to the formation of biofilm. That is why our Omnia series has a recirculation function that prevents the growth of biofilm, so that we even exceed the highest quality standards according to ASTM.



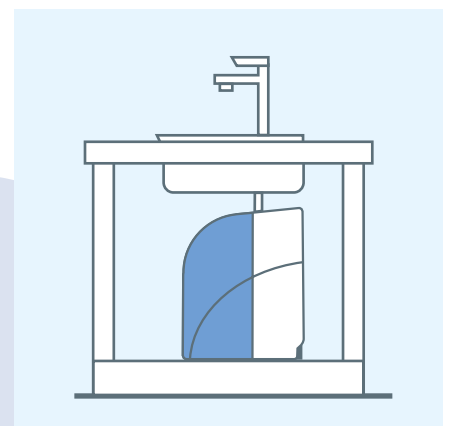
USB interface for data output



Autonomous specialist with integrated pre-treatment and ultrapure water cartridge. Simple cartridge change in seconds.



Surface-efficient – so narrow that it almost fits on an A4 sheet ...



... or under a laboratory sink.

The Omnia Optifill^{touch} dispenser

Intuitive.

Convenient. Flexible.

Scroll and swipe to the next function. There is no simpler and more intuitive way to operate a touch display. Even with laboratory gloves. This makes routine work steps fun but also faster and safer. Adjustable limit values for conductivity and TOC, as well as data output via USB increase process reliability.





The Omnia *xs^{touch}* series is extremely convenient to use. All devices are fitted with the OptiFill *touch* OneHandOperation-Dispenser with intuitive control- and monitoring unit. One-handed operation, removable, rotatable and swiveling with flexible connection for easy water dispensing into any type of container.



Separate from the production unit.

The external dispenser can be space sparingly wall-fitted or flexibly placed on the lab bench.

The ergonomic shaped dispenser is intuitive operable.

Place the production unit under the bench to save valuable space in your lab. Match the positioning to your lab environment with the external OptiFill *touch* stand/wall dispenser and monitoring unit. Either practical on a bench or space-saving on a wall.



Three background colors – black, gray or blue – the choice is yours!



Residual cartridge volume display



Ready for USB transfer

OmniaPure *xs^{touch}* BlueLine

The specialist.

For H₂O pure type I.

When your need is for highest quality pure water that fulfils the demands of analytical and life science laboratory requirements, then one of these OmniaPure systems will be the right choice for you. The incorporated pre-treatment constantly ensures the reliability of your experimental results and reduces running costs.

Features

- OptiFill *touch* dispenser is standard
- Spent filters are simply and quickly exchanged
- Leakage sensor is standard
- Integrated pressure reducer is standard
- Resource-saving filter volume
- Very space saving
- Ready-to-use, including filter cartridges



Dispenser only on the bench,
production unit under the table



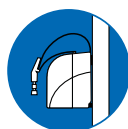
Dispenser only on the wall,
production unit under the table



One hand
operation



Easy water
dispensing



Fits neatly
on the wall



Space saving
under table

| Specifications | OmniaPure xs ^{touch} UV-TOC | OmniaPure xs ^{touch} UV-TOC/UF |
|--|---|---|
| Ultrapure water values type I | | |
| Conductivity at 25 °C [µS/cm] | 0.055 | 0.055 |
| Resistance at 25 °C [MΩ x cm] | 18.2 | 18.2 |
| TOC-value* [ppb] | < 2 | < 5 |
| TOC monitor | yes | yes |
| Dispensing performance [l/min.] | up to 2 | up to 2 |
| Individually adjustable dispensing volume [liters] | 0.05 up to 25 | 0.05 up to 25 |
| Particles** > 0.2 µm [1/ml] | < 1 | < 1 |
| Bacteria** [KBE/ml] | < 0.01 | < 0.01 |
| Pyrogens (Endotoxins)*** [EU/ml] | – | < 0.001 |
| RNase*** [pg/ml] | – | < 1 |
| DNase*** [pg/ml] | – | < 5 |
| Proteases*** [µg/ml] | – | < 0.15 |
| * The values given are typical and may vary depending on the quality of the feed water | ** With sterile filter capsule 0.2 µm or bio filter capsule | *** With ultrafilter/bio filter capsule |

Feedwater requirements

Water prepared by ion exchange, reverse osmosis, electrodeionisation or distillation

| | | |
|-------------------------------|-------------|-------------|
| Feedwater pressure [bar] | 0.5 up to 6 | 0.5 up to 6 |
| Feedwater temperature [°C] | +2 up to 35 | +2 up to 35 |
| Conductivity at 25 °C [µS/cm] | < 100 | < 100 |
| TOC-value [ppb] | < 50 | < 50 |

Technical data

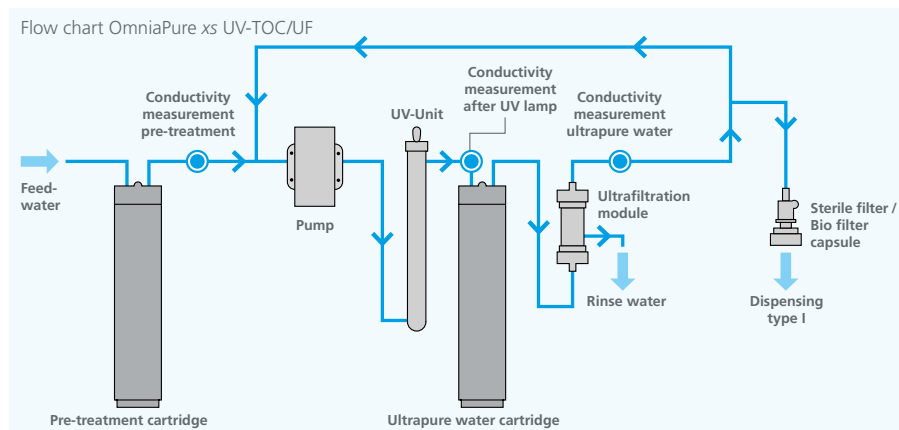
| | | |
|---|-----------------|-----------------|
| Feedwater connection | R3/4" | R3/4" |
| Electrical connection [Volt/Hz] | 90–240/50–60 | 90–240/50–60 |
| Connected load [W] | 120 | 120 |
| Ambient temperature [°C] | +2 up to 35 | +2 up to 35 |
| Printer port | RS232 | RS232 |
| Data port | USB-A | USB-A |
| Dimensions* [W x H x D mm] | 240 x 530 x 435 | 240 x 530 x 435 |
| Weight dry [kg]* | 14 | 14 |
| Dimensions production unit under table [W x H x D mm] | 240 x 415 x 310 | 240 x 415 x 310 |
| Weight production unit dry [kg] | 13 | 13 |
| Dimensions OptiFill ^{touch} wall dispenser [W x H x D mm] | 100 x 520 x 460 | 100 x 520 x 460 |
| Weight wall dispenser [kg] | 2.4 | 2.4 |
| Dimensions OptiFill ^{touch} bench dispenser [W x H x D mm] | 150 x 580 x 450 | 150 x 580 x 450 |
| Weight bench dispenser [kg] | 8 | 8 |

* With OptiFill^{touch} dispenser

| Article no. | System type* Standard | System type Article no. Production unit + wall dispenser*/** | System type Article no. Production unit + bench dispenser*/** | Typical applications |
|-------------|--------------------------|--|---|---|
| 18100004 | OmniaPure xs UV-TOC | 18100014 OmniaPure-W xs UV-TOC | 18100024 OmniaPure-T xs UV-TOC | Ultra-trace analysis, ICP-MS, HPLC, TOC-analysis |
| 18100005 | OmniaPure xs UV-TOC/UF | 18100015 OmniaPure-W xs UV-TOC/UF | 18100025 OmniaPure-T xs UV-TOC/UF | Life science and microbiology, cell culture media |

* Pre-treatment cartridge-, ultrapure water cartridge and sterile filter capsule 0,2 µm included

** The Omnia xs production unit can either be installed on a bench, on a wall or under the bench.



Accessories

| | |
|----------|------------------------------------|
| 19200305 | Wall mount Omnia xs |
| 19200090 | Disinfection cartridge Omnia xs |
| 19200057 | Disinfectant Omnia – 3 pcs./pack |
| 19200091 | Disinfection kit Omnia xs complete |
| 19102100 | Bio filter capsule |

OmniaTap *xs^{touch}* BlueLine

The Allrounder.

For H₂O pure types I + II.

OmniaTap *xs^{touch}* is the ideal system when both pure water and ultrapure water are required, but in relatively small amounts. The ability to provide both types from a single system results from the combination of ultramodern purification technologies. These also make it possible to connect the system directly to tap water. A press on the dispenser button activates dispensing of ultrapure water type I via the digital dispenser control. The recirculation of the pure water held in the installed 7 litre tank keeps it permanently at type II quality. The pure water tank provides a second outlet for feeding downstream end users.

Features

- OptiFill *touch* dispenser is standard
- Spent filters are simply and quickly exchanged
- Leakage sensor is standard
- Integrated pressure reducer is standard
- Precise volume control
- Ready-to-use, including filter cartridges



Dispenser only on the bench,
production unit under the table



Dispenser only on the wall,
production unit under the table



One hand
operation



Easy water
dispensing



Fits neatly
on the wall



Space saving
under table

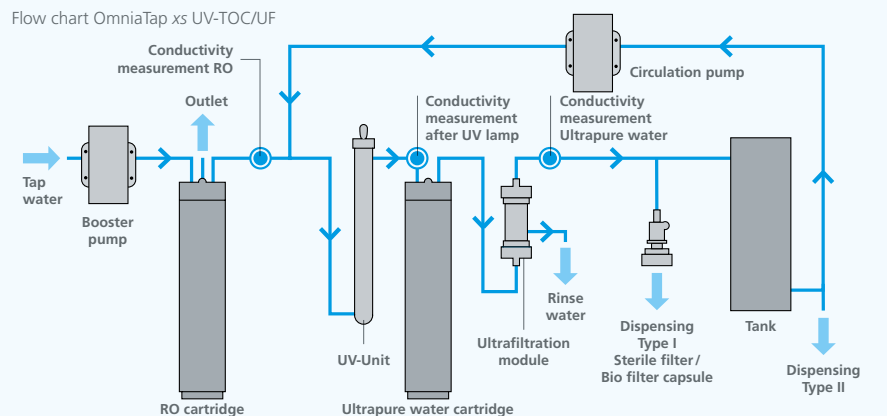
| Specifications | OmniaTap xs ^{touch} 8 UV-TOC | OmniaTap xs ^{touch} 8 UV-TOC/UF |
|--|---|--|
| Ultrapure water values type II | | |
| Pure water performance at 15 °C [l/h] | 8 | 8 |
| Conductivity at 25 °C [µS/cm] | 0.067 up to 0.1 | 0.067 up to 0.1 |
| Resistance at 25 °C [MΩ x cm] | 15 up to 10 | 15 up to 10 |
| Ultrapure water values type I | | |
| Conductivity at 25 °C [µS/cm] | 0.055 | 0.055 |
| Resistance at 25 °C [MΩ x cm] | 18.2 | 18.2 |
| TOC-value* [ppb] | < 5 | < 5 |
| TOC monitor | yes | yes |
| Dispensing performance [l/min.] | up to 2 | up to 2 |
| Individually adjustable dispensing volume [liters] | 0.05 up to 25 | 0.05 up to 25 |
| Particles** > 0.2 µm [1/ml] | < 1 | < 1 |
| Bacteria** [KBE/ml] | < 0.01 | < 0.01 |
| Pyrogens (Endotoxins)*** [EU/ml] | – | < 0.001 |
| RNase*** [pg/ml] | – | < 1 |
| DNase*** [pg/ml] | – | < 5 |
| Proteases*** [µg/ml] | – | < 0.15 |
| * The values given are typical and may vary depending on the quality of the feed water | ** With sterile filter capsule 0.2 µm or bio filter capsule | *** With ultrafilter/bio filter capsule |

| Feedwater requirements | | |
|---|-------------|-------------|
| Tap water according to DIN 2000 | | |
| Feedwater pressure [bar] | 0.5 up to 6 | 0.5 up to 6 |
| Feedwater temperature [°C] | +2 up to 35 | +2 up to 35 |
| Conductivity at 25 °C [µS/cm] | < 2000 | < 2000 |
| Colloid index SDI | < 10 | < 10 |
| Dissolved CO ₂ [ppm] | < 30 | < 30 |
| Free chlorine [ppm] | < 3 | < 3 |
| TOC [ppm] | < 1 | < 1 |
| Hardness [as CaCO ₃]* | < 300 | < 300 |
| Silica [ppm] | < 30 | < 30 |
| pH range | 4 up to 10 | 4 up to 10 |
| * For higher values, pre-treatment must be carried out upstream | | |

| Technical data | | |
|---|-----------------|-----------------|
| Feedwater connection | R3/4" | R3/4" |
| Electrical connection [Volt/Hz] | 90–240/50–60 | 90–240/50–60 |
| Connected load [W] | 120 | 120 |
| Ambient temperature [°C] | +2 up to 35 | +2 up to 35 |
| Printer port | RS232 | RS232 |
| Data port | USB-A | USB-A |
| Dimensions* [W x H x D mm] | 253 x 530 x 520 | 253 x 530 x 520 |
| Weight dry [kg]* | 19 | 19 |
| Dimensions production unit under table [W x H x D mm] | 253 x 420 x 435 | 253 x 420 x 435 |
| Weight production unit dry [kg] | 18 | 18 |
| Dimensions OptiFill ^{touch} wall dispenser [W x H x D mm] | 100 x 520 x 460 | 100 x 520 x 460 |
| Weight wall dispenser [kg] | 2.4 | 2.4 |
| Dimensions OptiFill ^{touch} bench dispenser [W x H x D mm] | 150 x 580 x 450 | 150 x 580 x 450 |
| Weight bench dispenser [kg] | 8 | 8 |
| * With OptiFill ^{touch} dispenser | | |

| Article no. | System type* Standard | Article no. | System type Production unit + wall dispenser**/** | Article no. | System type Production unit + bench dispenser**/** | Typical applications |
|-------------|--------------------------|-------------|---|-------------|--|---|
| 18110084 | OmniaTap xs 8 UV-TOC | 18111084 | OmniaTap-W xs 8 UV-TOC | 18112084 | OmniaTap-T xs 8 UV-TOC | Ultra-trace analysis, ICP-MS, HPLC, TOC-analysis |
| 18110085 | OmniaTap xs 8 UV-TOC/UF | 18111085 | OmniaTap-W xs 8 UV-TOC/UF | 18112085 | OmniaTap-T xs 8 UV-TOC/UF | Life science and microbiology, cell culture media |

Flow chart OmniaTap xs UV-TOC/UF



* RO cartridge, ultrapure water cartridge, sterile filter capsule 0.2 µm, sterile overflow and sterile vent filter included

** The Omnia xs production unit can either be installed on a bench, on a wall or under the bench.

Accessories

| | |
|----------|------------------------------------|
| 19200305 | Wall mount Omnia xs |
| 19200090 | Disinfection cartridge Omnia xs |
| 19200057 | Disinfectant Omnia – 3 pcs./pack |
| 19200091 | Disinfection kit Omnia xs complete |
| 19200021 | Pre-treatment unit OmniaTap – 10" |
| 19102100 | Bio filter capsule |

OmniaPure xs^{touch} Blueline Sustainability.

reduce, reuse, recycle.

stakpure Blueline stands for well thought-out sustainability. Blueline combines resource efficiency, durability, and recyclability with the highest quality standards. This significantly reduces greenhouse gas emissions throughout the life of the product and conserves the fossil resources of our blue planet.



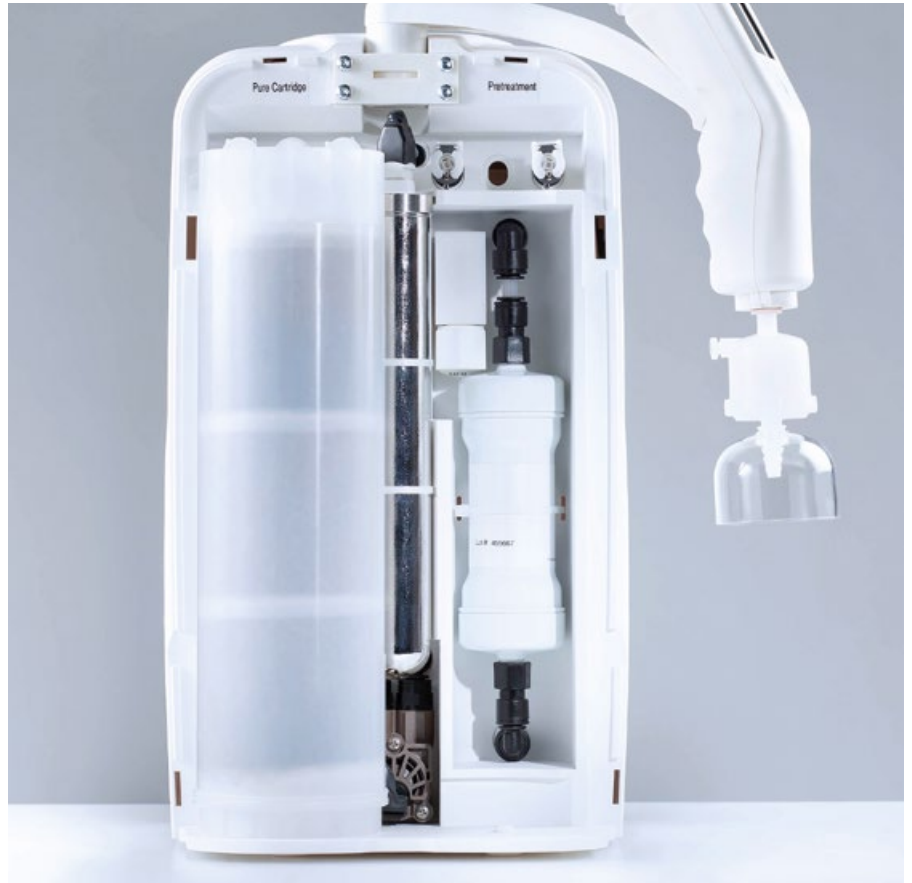
Cartridge volume with capacity display

Exceptionally large pre-treatment and ultrapure water cartridges, which fill every centimeter of the housing, paired with an intelligent remaining capacity display of the cartridges – offer exceptionally long service life and use-dependent replacement cycles. This saves time, resources and money.



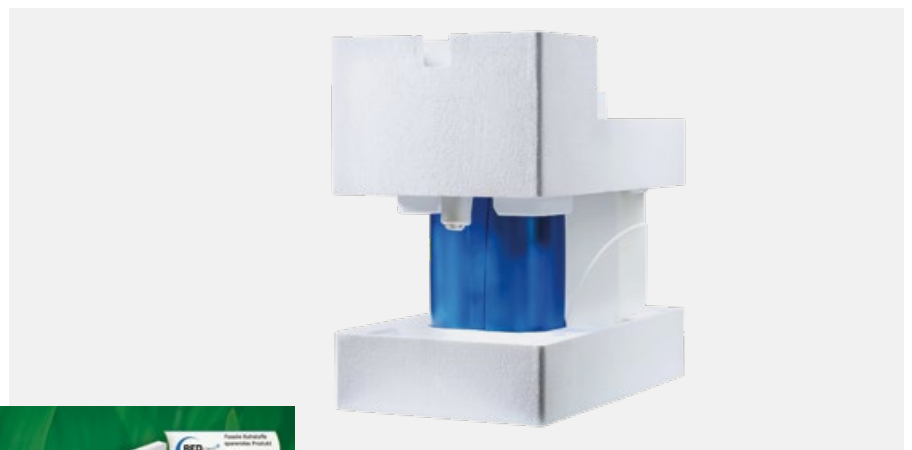
Backwashable, long-life ultrafilter

Also in the selection of the ultrafilter for microbiological and molecular biology applications (e.g. retention of RNases, DNases, ...), we focus on consistent sustainability. The stakpure Blueline is based on an integrated, backwashable and therefore very durable filter system with a service life of up to two years.



Packing

We use biomass balanced styrofoam for our packaging, which replaces natural gas by 100% with bio-oil and bio-gas. Compared to classic styropor 75% CO₂ are saved. Also a really strong stakpure blueline solution.



stakpure

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We are certified according to ISO 9001: 2015

Is reliable and economic preparation of pure and/or ultrapure water a topic for you? Just call us!

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www.stakpure.de

Retailer panel