OmniaTap
The allrounder.
For H_2O pure types I + II.

OmniaTap 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. With the flexible dispenser, type I ultrapure water can be dispensed at the touch of a button. The adaptable pure water tanks with a volume of 10, 30 or 60 liters enable the continuous withdrawal of type I and type II laboratory water for other applications.

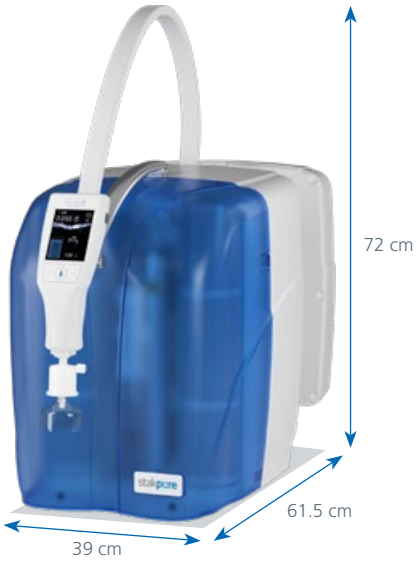
Features

- OptiFill*touch* dispenser is standard
- TapWater-Set – direct tap water connection
- Tank volume display in percent
- Simple and economical filter replacement
- Leakage sensor is standard
- Ready-to-use, including filter cartridges

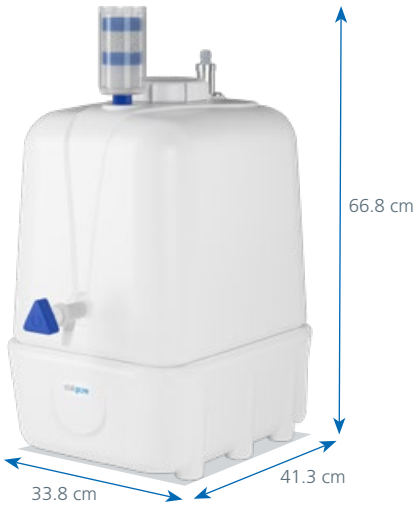
One hand operation

Easy water dispensing

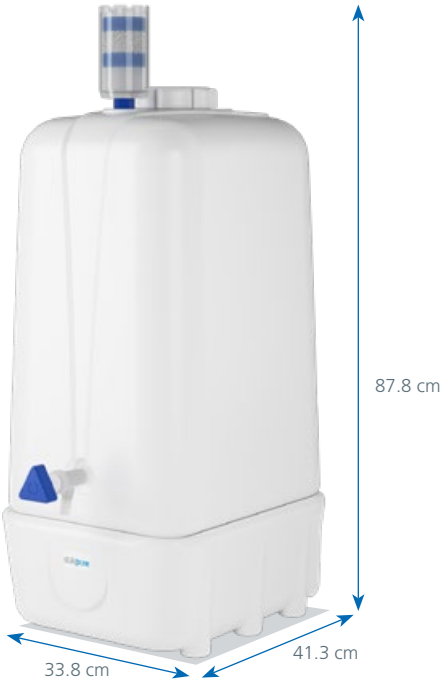
Flexible on a work surface



10-liter docking tank
Can be mounted directly on the appliance, space-saving and efficient.



30-liter tank
Flexible installation – on the laboratory bench or under-bench in the laboratory cabinet, with or without base.



60-liter tank
Ideal for larger quantities of water – also suitable for under table installation* without a base.

* Installation height with tank ventilation filter 80 cm

Specifications	OmniaTap	OmniaTap UV-TOC	OmniaTap UV-TOC/UF
Pure water values type II			
Pure water performance l/h at 15 °C	12 or 20	12 or 20	12 or 20
Conductivity [µS/cm]	0.067 up to 0.1	0.067 up to 0.1	0.067 up to 0.1
Resistance [MΩ x cm]	15 up to 10	15 up to 10	15 up to 10
Ultrapure water values type I			
Conductivity at 25 °C [µS/cm]	0.055	0.055	0.055
Resistance at 25 °C [MΩ x cm]	18.2	18.2	18.2
TOC-value* [ppb]	< 10	< 5	< 5
TOC monitor	no	yes	yes
Dispensing performance [l/min.]	up to 2	up to 2	up to 2
Individually adjustable dispensing volume [liters]	0.05 up to 25	0.05 up to 25	0.05 up to 25
Particles** > 0.2 µm [1/ml]	< 1	< 1	< 1
Bacteria** [CFU/ml]	< 0.01	< 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]	1 up to 6	1 up to 6	1 up to 6
Conductivity at 25 °C [µS/cm]	< 2000*	< 2000*	< 2000*
Colloid index SDI	< 5**	< 5**	< 5**
Dissolved CO_2 [ppm]	< 30	< 30	< 30
Free chlorine [ppm]	< 0.1	< 0.1	< 0.1
TOC [ppm]	< 2	< 2	< 2
Hardness [as $CaCO_3$] [ppm]	< 300	< 300	< 300
Iron/manganese [mg/l]	< 0.05	< 0.05	< 0.05
Silica [ppm]	< 30	< 30	< 30
pH range	4 up to 10	4 up to 10	4 up to 10

* Feed water with high conductivity can reduce the service life of the cartridges and increase the conductivity of type III water. If the conductivity is between 800 and 2000 µS/cm, we recommend using a water softener

** With an SDI/FI between 3 and 5, pre-treatment must be used

Technical data			
Feedwater connection	R 3/4"	R 3/4"	R 3/4"
Electrical connection [Volt/Hz]	90–240/50–60	90–240/50–60	90–240/50–60
Connected load [kW]	0.1	0.1	0.1
Ambient temperature [°C]	4 up to 40 (Recommendation: 10 up to 25)	4 up to 40 (Recommendation: 10 up to 25)	4 up to 40 (Recommendation: 10 up to 25)
Dimensions without tank* [W x H x D mm]	390 x 720 x 525	390 x 720 x 525	390 x 720 x 525
Dimensions with 10-l docking tank* [W x H x D mm]	390 x 720 x 615	390 x 720 x 615	390 x 720 x 615
Weight without 10-l docking tank [kg]	17	18	18
Weight with 10-l docking tank [kg]	20	21	21

* With OptiFill^{touch} Dispenser

Article no.	System type*	Typical applications
18210101	OmniaTap 12	AAS, IC, ICP, buffers and media preparation
18210201	OmniaTap 20	AAS, IC, ICP, buffers and media preparation
18210104	OmniaTap 12 UV-TOC	Ultra-trace analysis, ICP-MS, HPLC, TOC-analysis
18210202	OmniaTap 20 UV-TOC	Ultra-trace analysis, ICP-MS, HPLC, TOC-analysis
18210103	OmniaTap 12 UV-TOC/UF	Life science and microbiology, cell culture media
18210203	OmniaTap 20 UV-TOC/UF	Life science and microbiology, cell culture media

* An external tank is required to operate the OmniaTap. Already contains RO cartridge, ultrapure water cartridge, sterile filter capsule 0.2 µm, sterile overflow and aeration filter

** The Omnia production unit can either be installed on a bench or on a wall.

Accessoires	
19200020	Pre-treatment unit 5 µm + hardness stabilization
19200022	Pre-treatment unit 5 µm + activated carbon
19200300	Wall mount Omnia
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19102100	Bio filter capsule
19200062	Data printer

Pure water tank with integrated booster pump

Article no.**	Volume (l)	Pump capacity (l/h-bar)	Weight dry (kg)
16500032	30	100-2	10
16500062	60	100-2	11

Pure water tanks for OmniaTap devices

Article no**	Volume	Material	Dimensions (W x H x D mm)	Weight dry (kg)
16500010	10 l	PE	Docking tank	2,7
16500031	30 l	PE	338 x 568 x 402	6,5
16500061	60 l	PE	338 x 778 x 402	8

Accessoires	
19200050	UV tank disinfection unit Omnia 254 – 16 watts
28000084	Tank removal set for OmniaTap 10-liter docking tank
19501500	Wall mount for pure water tank 30/60 l
16580000	External pump station 100 l/h - 2 bar
16561201	External pump station 2000 l/h - 3.5 bar

* Without aeration filter

** With level sensor, sterile overflow, ventilation filter + CO_2 absorber

Flow chart OmniaTap UV-TOC/UF