Omnia
Pure and ultrapure water systems.

For demanding applications in life sciences and labs.

For analyser supply, autoclaves and glassware washers.

stakpure

H_2O – WATER IN ITS PUREST FORM

Omnia
Pure and ultrapure water systems
Convenient. Compact. Adaptable.

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.

Pivotable up to 170 degrees and 80 cm diameter

Color touch display* with intuitive menu navigation (* 3 background colors adjustable)

- Real time display of all operating and performance parameters
- Real time TOC monitoring (for OmniaTap I + II & OmniaLab ED+)
- Switchable temperature compensation
- Setting possibilities for conductivity in MΩ x cm or µS/cm
- Limit value setting for all measuring parameters
- High precision measure-ment and display
- Withdrawal volume individually adjustable
- Innovative monitoring and display of cartridge capacity
- Secure password access and error memory
- Language selection DE, EN, FR

Well connected

- USB interface for data transmission / output
- RS232 interface

Removable & ergonomic shaped (can be operated with laboratory gloves)

Press button withdrawal

OneHandOperation -Dispenser

Leakage sensor is standard

Automatic voltage adjustment

The Omnia 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.

The ergonomic shaped dispenser is intuitive operable.

The easily accessible control and service cover ensures that consumables can be replaced in seconds.

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

Residual cartridge volume display

Ready for USB transfer

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

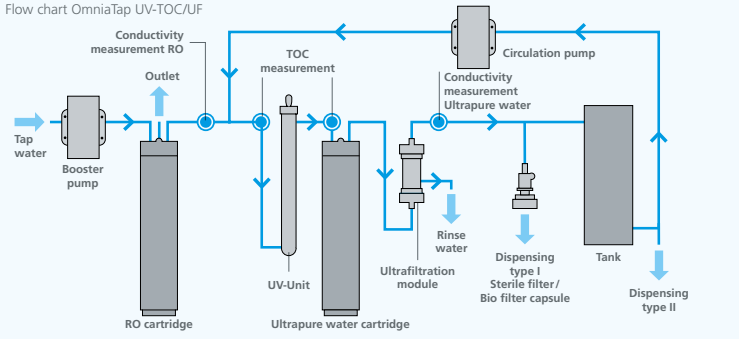
Article no**	Volume	Material	Dimensions (W x H x D mm)	Weight dry (kg)
16500010	10 l	PE	Docking tank	2,7
16500031	30 l	PE	338 x 568 x 402	6,5
16500061	60 l	PE	338 x 778 x 402	8

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



OmniaLab^{ED+}

The big one.
For H_2O pure types I + II.

OmniaLab^{ED+} is the system of choice when both pure water and ultrapure water are needed for the entire laboratory. The system complies with international water standards such as ASTM, ISO 3696 and CLSI. The economy of it is maximized by the inclusion of a continuously self-regenerating electrodeionizer, without having to give any demanding analytical applications a pass. Further to this, the OmniLab^{ED+}-system holds 100 liters of pure water type II ready for withdrawal in a storage tank with quality recirculation. It is so predestined for supplying autoclaves or lab washing machines and the dispensing of type I ultra pure water for analytical and bioscience applications.

Features

- OptiFill^{touch} dispenser is standard
- Continuous residual salts removal by electro-deionization
- 100 liter storage tank with recirculation and pressure outlet
- Tank volume display in percent
- Tank volume can be modularly increased
- Simple, cost-effective filter replacement
- Leakage sensor is standard

One hand operation

Easy water dispensing

Flexible on a work surface

Tank fits space-savingly under the bench-top

Specifications	OmniaLab^{ED+}20	OmniaLab^{ED+}20 UV-TOC	OmniaLab^{ED+}40	OmniaLab^{ED+}40 UV-TOC
Pure water values type II				
Pure water performance l/h at 15 °C	20	20	40	40
Conductivity [µS/cm]	0.1 up to 1	0.1 up to 1	0.1 up to 1	0.1 up to 1
Resistance [MΩ x cm]	10 up to 1	10 up to 1	10 up to 1	10 up to 1
Silicate removal* [%]	99.9	99.9	99.9	99.9
Pure water tank pressurized outlet	100 l/h - 2 bar	100 l/h - 2 bar	100 l/h - 2 bar	100 l/h - 2 bar
Ultrapure water values type I				
Conductivity [µS/cm]	0.055	0.055	0.055	0.055
Resistance [MΩ x cm]	18.2	18.2	18.2	18.2
TOC-value* [ppb]	< 10	< 5	< 10	< 5
TOC monitor	no	yes	no	yes
Dispensing performance dispenser [l/min.]	up to 2	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	0.05 up to 25
Particles** [1/ml]	< 1	< 1	< 1	< 1
Bacteria** [CFU/ml]	< 0.01	< 0.01	< 0.01	< 0.01
* Depending on the quality of the feed water	** With sterile filter capsule 0.2 µm			
Feedwater requirements				
Tap water according to DIN 2000				
Feedwater pressure [bar]	1 up to 6	1 up to 6	1 up to 6	1 up to 6
Conductivity at 25 °C [µS/cm]	< 2000*	< 2000*	< 2000*	< 2000*
Colloid index SDI	< 5**	< 5**	< 5**	< 5**
Dissolved CO_2 [ppm]	< 30	< 30	< 30	< 30
Free chlorine [ppm]	< 0.1	< 0.1	< 0.1	< 0.1
TOC-value [ppm]	< 2	< 2	< 2	< 2
Hardness [as $CaCO_3$] [ppm]	< 1	< 1	< 1	< 1
Free chlorine [ppm]	< 0.1	< 0.1	< 0.1	< 0.1
Iron/manganese [mg/l]	< 0.05	< 0.05	< 0.05	< 0.05
Silica [ppm]	< 30	< 30	< 30	< 30
pH range	4 up to 10	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.			** 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"	R 3/4"
Electrical connection [Volt/Hz]	90–240/50–60	90–240/50–60	90–240/50–60	90–240/50–60
Connected load [kW]	0.25	0.25	0.25	0.25
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]	4 up to 40 [Recommendation: 10 up to 25]
Dimensions Tower* [W x H x D mm]	511 x 1520 x 575	511 x 1520 x 575	511 x 1520 x 575	511 x 1520 x 575
Dimensions Base cabinet tank [W x H x D mm]	511 x 800 x 575	511 x 800 x 575	511 x 800 x 575	511 x 800 x 575
Weight [kg]	43	43	43	43

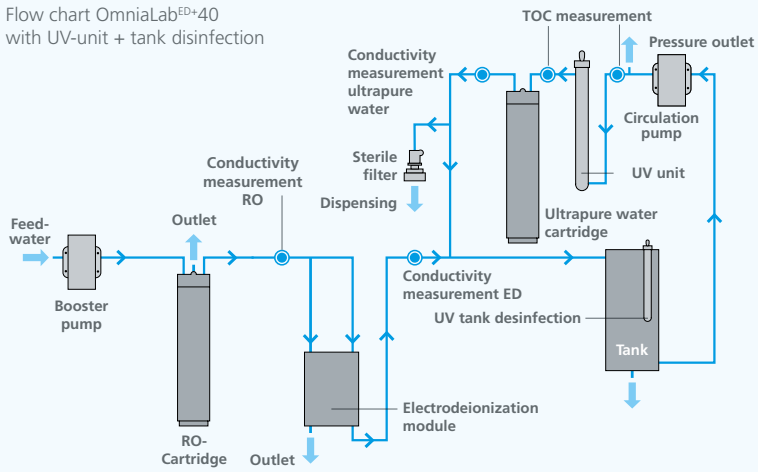
* With OptiFill^{touch} Dispenser

Article no.	System type*	Typical applications
18710020	OmniaLab^{ED+}20	Feedwater for autoclaves and laboratory washers, analytical and life science applications
18710025	OmniaLab^{ED+}20 UV-TOC	Feedwater for autoclaves and laboratory washers, analytical and life science applications
18710040	OmniaLab^{ED+}40	Feedwater for autoclaves and laboratory washers, analytical and life science applications
18710045	OmniaLab^{ED+}40 UV-TOC	Feedwater for autoclaves and laboratory washers, analytical and life science applications

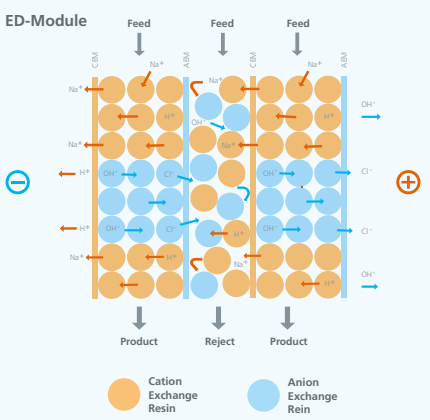
* RO cartridge, ultrapure water cartridge, sterile filter capsule 0.2 µm, sterile overflow and sterile vent filter + CO_2 absorber included

Accessoires	
25015000	System separator ST 20 FK4 Compact
16127200	Single softener WEA 32 Compact
19200022	Pre-treatment unit 5 µm + activated carbon
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19200050	UV tank disinfection unit Omnia 254 – 16 watts
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m³/h - 3.5 bar
19200062	Data printer

Flow chart OmniaLab^{ED+}40
with UV-unit + tank disinfection



ED-Module



OmniaTap II
The allrounder.
For H_2O pure type ASTM II.

The OmniaTap II is the ideal system when pure water is required in small amounts. The system combines compact dimensions with great flexibility and is suitable for direct connection to the drinking water pipe. The OptiFill*touch* dispenser integrated as standard is an all-rounder. The ergonomic shape allows all quality parameters to be operated and monitored with one hand. With the flexible dispenser & monitoring unit, laboratory vessels can be filled conveniently and precisely. Decide for yourself how much valuable space you want in the laboratory, whether mounted on the wall to save space or on the laboratory bench. With the flexible dispenser, 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 II laboratory water for other applications.

Features

- Safe pure water quality ASTM II
- TapWater-Set – direct tap water connection
- OptiFill*touch* Dispenser is standard
- Simple and economical filter change
- Leakage sensor is standard

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 II 6 / 6 UV	OmniaTap II 12 / 12 UV	OmniaTap II 20 / 20 UV
Pure water values type II			
Pure water performance at 15 °C [l/h]	6	12	20
Conductivity* [µS/cm]	0.1 up to 1	0.1 up to 1	0.1 up to 1
Resistance* [MΩ x cm]	10 up to 1	10 up to 1	10 up to 1
TOC value* [ppb]	< 30	< 30	< 30
Silicate removal* [%]	> 99	> 99	> 99
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
Pressure outlet pure water tank	100 l/h - 2 bar	100 l/h - 2 bar	100 l/h - 2 bar
UV desinfection 254 nm	– / yes	– / yes	– / yes
* The values given are typical and may vary depending on the quality of the feed water	** With sterile filter capsule 0.2 µm		
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-value [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 Tower without tank* [W x H x D mm]	390 x 720 x 525	390 x 720 x 525	390 x 720 x 525
Dimensions Tower with 10-liter 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-liter tank [kg]	17	18	18
Weight with 10-liter tank [kg]	20	21	22

* With OptiFill^{touch} Dispenser

Article no.	System type*	Typical applications
18200214	OmniaTap II 6	Buffer and media preparation
18200217	OmniaTap II 12	Buffer and media preparation
18200220	OmniaTap II 20	Buffer and media preparation
18200215	OmniaTap II 6 UV	Buffer and media preparation
18200218	OmniaTap II 12 UV	Buffer and media preparation
18200221	OmniaTap II 20 UV	Buffer and media preparation

* An external tank is required to operate the OmniaTap II. 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.
19200091	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
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

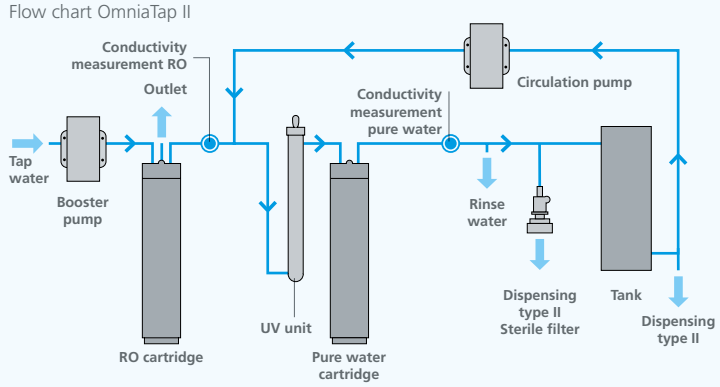
Article no.**	Volume	Material	Dimensions* (W x H x D mm)	Weight dry (kg)
16500010	10 l	PE	Docking tank	2.7
16500031	30 l	PE	338 x 568 x 402	6.5
16500061	60 l	PE	338 x 778 x 402	8

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 II



OmniaLab^{ED}

The efficient one. For H_2O pure type II.

OmniaLab^{ED} is the efficient solution when high quality pure water type II is required for the complete lab supply. It is compliant with international water standards, such as ASTM, ISO 3696, CLRW (CLSI), and the combination with continual self-regenerating electro-deionization brings maximized economy. Further to this, the OmniaLab^{ED} system holds 100 liters of pure water in a storage tank with quality recirculation, ready to supply lab equipment. OmniaLab^{ED} is the efficient one for supplying autoclaves, lab machines and ultra-pure water systems.

Features

- OptiFill^{touch} dispenser is standard
- Continuous residual salts removal by electro-deionization
- 100 litre storage tank with recirculation and pressure outlet
- Tank volume display in percent
- Tank volume can be modularly increased
- Simple, cost-effective filter replacement
- Leakage sensor is standard


One hand operation


Easy water dispensing


Flexible on a work surface


Tank fits space-savingly under the bench-top

Specifications	OmniaLab^{ED}20	OmniaLab^{ED}40
Pure water values type II		
Pure water performance l/h at 15 °C	20	40
Conductivity [µS/cm]	0.1 up to 1	0.1 up to 1
Resistance [MΩ x cm]	10 up to 1	10 up to 1
TOC value* [ppb]	< 30	< 30
Silicate removal* [%]	> 99	> 99
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** [CFU/ml]	< 0.01	< 0.01
Pressure outlet pure water tank	100 l/h - 2 bar	100 l/h - 2 bar

* Depending on the quality of the feed water ** With sterile filter capsule 0.2 µm

Feedwater requirements		
Tap water according to DIN 2000		
Feedwater pressure [bar]	1 up to 6	1 up to 6
Conductivity at 25 °C [µS/cm]	< 2000*	< 2000*
Colloid index SDI	< 5**	< 5**
Dissolved CO_2 [ppm]	< 30	< 30
Free chlorine [ppm]	< 0.1	< 0.1
TOC-value [ppm]	< 2	< 2
Hardness [as $CaCO_3$] [ppm]	< 1	< 1
Iron/manganese [mg/l]	< 0.05	< 0.05
Silica [ppm]	< 30	< 30
pH range	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.

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

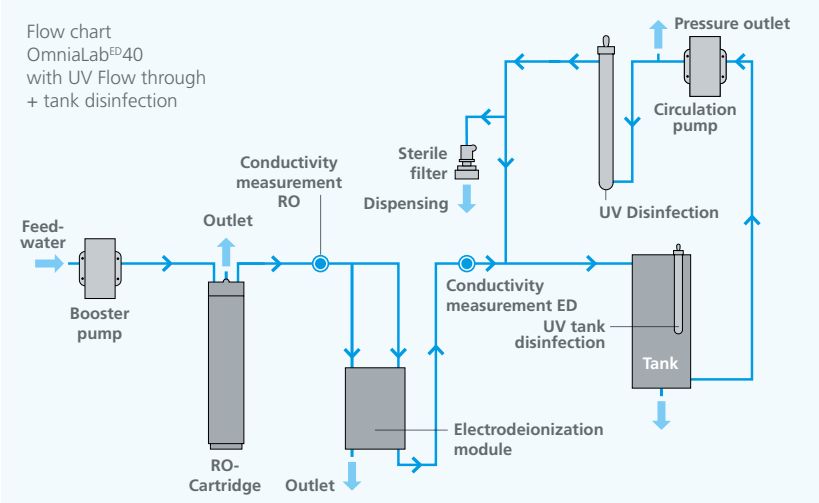
Technical data		
Feedwater connection	R 3/4"	R 3/4"
Electrical connection [Volt/Hz]	90–240/50–60	90–240/50–60
Connected load [kW]	0.25	0.25
Ambient temperature [°C]	4 up to 40 [Recommendation: 10 up to 25]	4 up to 40 [Recommendation: 10 up to 25]
Dimensions Tower* [W x H x D mm]	511 x 1520 x 575	511 x 1520 x 575
Dimensions Base cabinet tank [W x H x D mm]	511 x 800 x 575	511 x 800 x 575
Weight [kg]	41	41

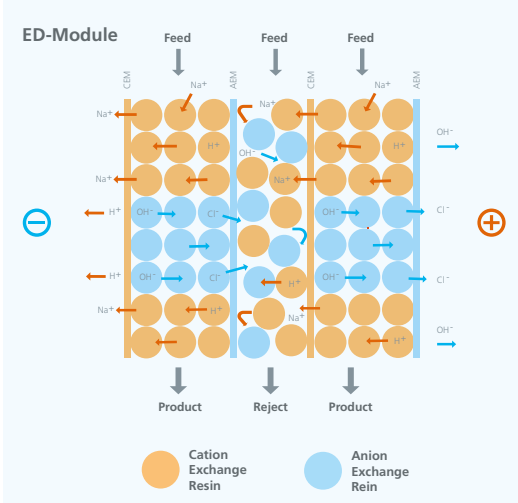
* With OptiFill^{touch} Dispenser

Article no.	System type*	Typical applications
18710021	OmniaLab^{ED}20	Feedwater for autoclaves, laboratory washers and ultrapure water systems
18710041	OmniaLab^{ED}40	Feedwater for autoclaves, laboratory washers and ultrapure water systems

* RO cartridge, stainless steel polishing cartridge, sterile filter capsule 0.2 µm, sterile overflow and sterile vent filter + CO_2 absorber included

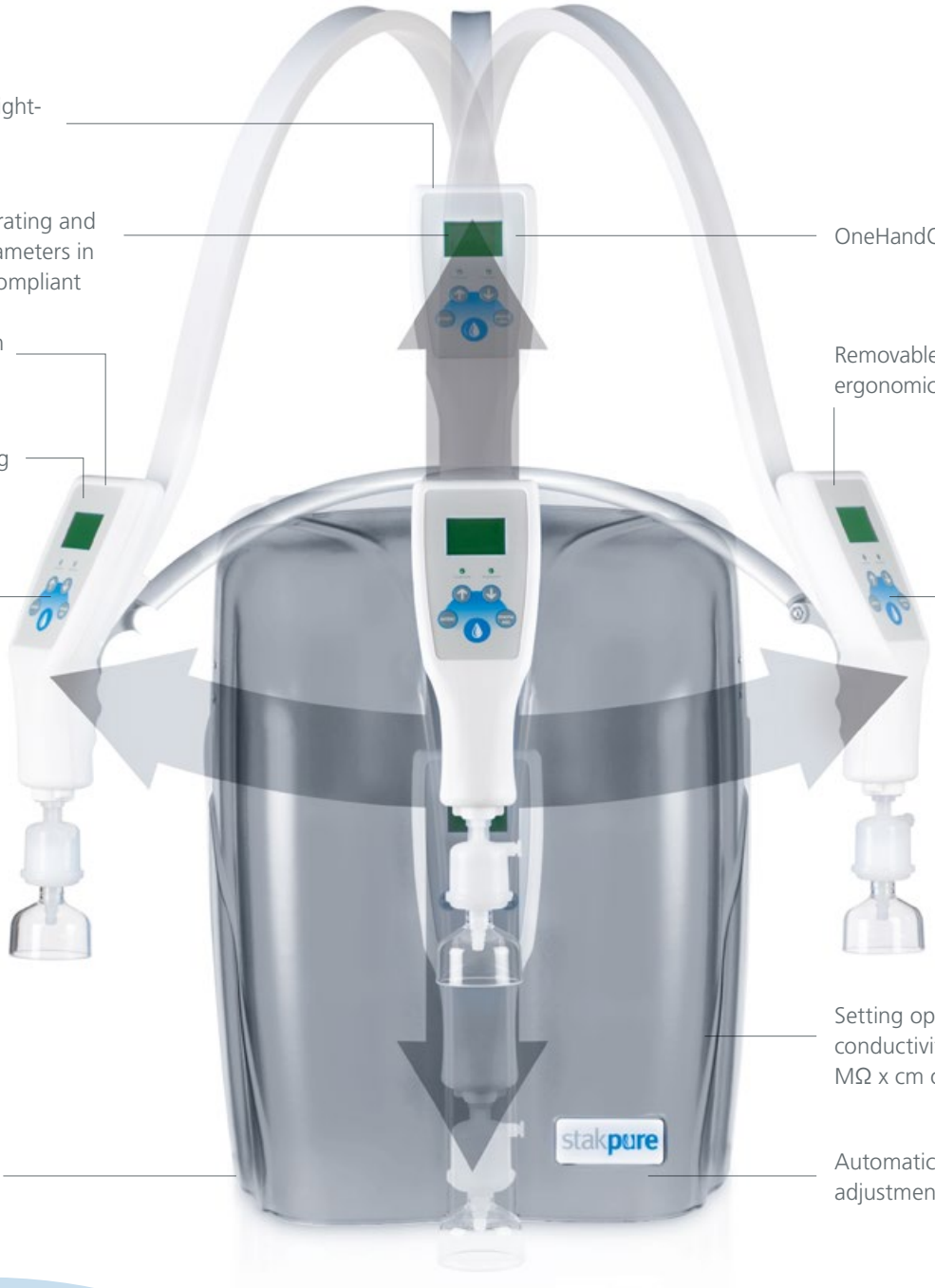
Accessoires	
25015000	System separator ST 20 FK4 Compact
16127200	Single softener WEA 32 Compact
19200022	Pre-treatment unit 5 µm + activated carbon
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19200050	UV tank disinfection unit Omnia 254 – 16 watts
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m³/h - 3.5 bar
19200062	Data printer





Omnia
Pure and ultrapure water
Comfortable. Compact. Flexible.

OptiFill Dispenser is standard



Rotatable and height-adjustable

Display of all operating and performance parameters in real time – USP-compliant

Clear control with graphic display

Secure password access – according to GLP

Removal at the touch of a button

Leakage sensor is standard

OneHandOperation-Dispenser

Removable and ergonomically shaped

Language switching German / English

Setting options for conductivity display in MΩ x cm or µS/cm

Automatic voltage adjustment

The Omnia series is extremely easy to handle. All appliances are equipped with the OptiFill OneHandOperation dispenser with integrated operating and monitoring unit. It can be operated with one hand, is removable, rotatable and height-adjustable and has a flexible connection for convenient water dispensing, regardless of the container.

The ergonomically shaped dispenser is very easy to use.

The easily accessible operating and service cover enables consumables to be changed in seconds.

OmniaLab^{UP}

The constant one. For H_2O pure type II.

OmniaLab^{UP} is the system of choice when you need a constant supply of high-quality water in laboratories. For this, OmniaLab^{UP} holds 100 liters of type II pure water in reserve in a storage tank with quality recirculation. It is an optimal supplier to autoclaves, lab rinsing machines and ultrapure water systems. The water produced conforms to international medical technology water standards such as ASTM, ISO 3696 and CLRW (CLSI).

Features

- OptiFill Dispenser is standard
- 100 l tank with quality recirculation and pressure outlet
- Tank volume display in percent
- Tank volume can be modularly increased
- Simple, cost-effective filter replacement
- Leakage sensor is standard


One hand operation


Easy water dispensing


Flexible on a work surface

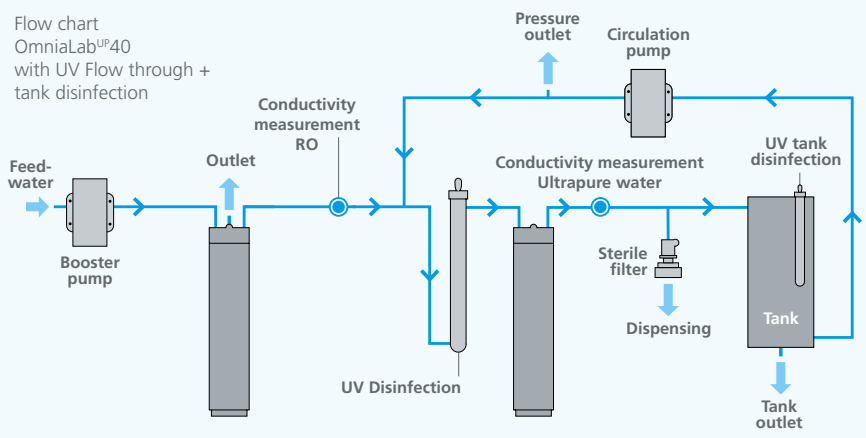

Tank fits space-savingly under the bench top

Specifications	OmniaLab^{UP}20	OmniaLab^{UP}40
Pure water values type II		
Pure water performance l/h at 15 °C	20	40
Conductivity [µS/cm]	0.067 up to 0.1	0.067 up to 0.1
Resistance [MΩ x cm]	15 up to 10	15 up to 10
Dispensing performance [l/min.]	up to 2	up to 2
Particles** > 0.2 µm [1/ml]	< 1	< 1
Bacteria** [CFU/ml]	< 0.01	< 0.01
Pressure outlet pure water tank	100 l/h - 2 bar	100 l/h - 2 bar
** With sterile filter capsule 0.2 µm		
Feedwater requirements		
Tap water according to DIN 2000		
Feedwater pressure [bar]	1 up to 6	1 up to 6
Conductivity at 25 °C [µS/cm]	< 2000*	< 2000*
Colloid index SDI	< 5**	< 5**
Dissolved CO_2 [ppm]	< 30	< 30
Free chlorine [ppm]	< 0.1	< 0.1
TOC-value [ppm]	< 2	< 2
Hardness [as $CaCO_3$] [ppm]	< 300	< 300
Iron/manganese [mg/l]	< 0.05	< 0.05
Silica [ppm]	< 30	< 30
pH range	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"
Electrical connection [Volt/Hz]	90–240/50–60	90–240/50–60
Connected load [kW]	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]
Dimensions Tower* [W x H x D mm]	511 x 1520 x 575	511 x 1520 x 575
Dimensions Base cabinet tank [W x H x D mm]	511 x 800 x 575	511 x 800 x 575
Weight [kg]	40	40
* With OptiFill Dispenser		

Article no.	System type*	Typical applications
18600020	OmniaLab^{UP}20	Feedwater for autoclaves, laboratory washers and ultrapure water systems
18600040	OmniaLab^{UP}40	Feedwater for autoclaves, laboratory washers and ultrapure water systems

* RO cartridge, stainless steel polishing cartridge, sterile filter capsule 0.2 µm, sterile overflow and sterile vent filter + CO_2 absorber included

Flow chart
OmniaLab^{UP}40
with UV Flow through +
tank disinfection



Accessoires	
19200020	Pre-treatment unit 5 µm + hardness stabilization
19200022	Pre-treatment unit 5 µm + activated carbon
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19200050	UV tank disinfection unit Omnia 254 – 16 watts
19200054	UV Flow-through disinfection 254
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m³/h – 3.5 bar
19200500	Volume dosing Omnia

OmniaLab^{DS}

The reliable one.

For H_2O pure type II + CLRW (CLSI) + DIN EN 285 + EN ISO 15883

When safety is first priority and the quality of the purification decides the quality of results, then the OmniaLab^{DS} system is the perfect solution. Even for large pure water quantities of up to 60 l/h, OmniaLab^{DS} guarantees international water standards compliance. The combination of regenerative polishing cartridge and an optional emergency supply makes this system extremely reliable for supplying clinical analytical systems, as well as for feeding water to steam sterilizers and washer-disinfectors.

Features

- OptiFill Dispenser is standard
- 100 l tank with quality recirculation and pressure outlet
- Tank volume display in percent
- Tank volume can be modularly increased
- Simple, cost-effective filter replacement
- Leakage sensor is standard
- Emergency supply (optional)
- Degassing unit (optional)


One hand operation


Easy water dispensing


Flexible on a work surface


Tank fits space-savingly under the bench top

Specifications	OmniLab^{DS}20	OmniLab^{DS}40	OmniLab^{DS}60
Pure water value type II + CLRW (CLSI) DIN EN 285 + ISO EN 15883			
Pure water performance l/h at 15 °C	20	40	60
Conductivity [µS/cm]	0.1 up to 1.0	0.1 up to 1.0	0.1 up to 1.0
Resistance [MΩ x cm]	10 up to 1	10 up to 1	10 up to 1
Dispensing performance dispenser [l/min.]	up to 2	up to 2	up to 2
Particles* [1/ml]	< 1	< 1	< 1
Bacteria* [CFU/ml]	< 0.01	< 0.01	< 0.01
Pure water tank pressurized outlet	100 l/h - 2 bar	100 l/h - 2 bar	100 l/h - 2 bar
** With sterile filter capsule 0.2 µm			
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-value [ppm]	< 2	< 2	< 2
Hardness [as $CaCO_3$] [ppm]	< 300	< 300	< 300
Iron/manganese [mg/l]	< 0.05	< 0.05	< 0.05
pH range	4 up to 10	4 up to 10	4 up to 10
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 Tower* [W x H x D mm]	511 x 1520 x 575	511 x 1520 x 575	511 x 1520 x 575
Dimensions Base cabinet tank [W x H x D mm]	511 x 800 x 575	511 x 800 x 575	511 x 800 x 575
Weight (without polisher cartridge) [kg]	39	38	40

* 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

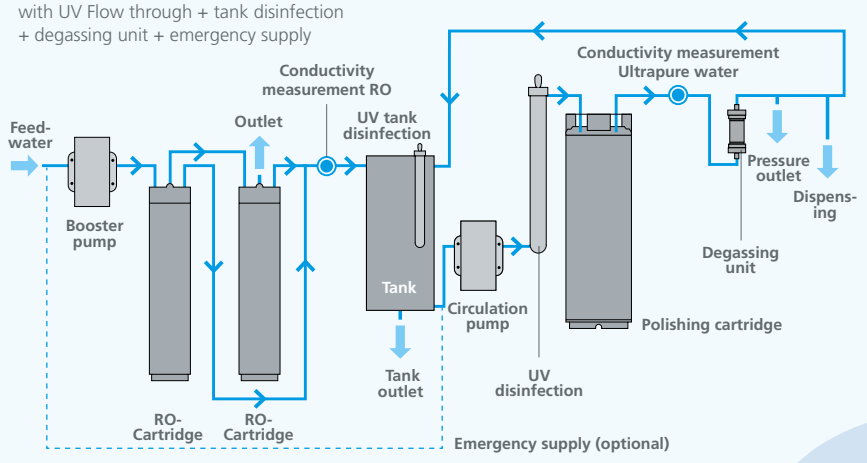
* With OptiFill Dispenser

Article no.	System type*	Typical applications
18800020	OmniLab^{DS}20	Feedwater for clinical analyzers, cleaning and disinfection devices, sterilizers
18800040	OmniLab^{DS}40	Feedwater for clinical analyzers, cleaning and disinfection devices, sterilizers
18800060	OmniLab^{DS}60	Feedwater for clinical analyzers, cleaning and disinfection devices, sterilizers

* RO cartridge, stainless steel polishing cartridge, sterile filter capsule 0.2 µm, sterile overflow and sterile vent filter + CO_2 absorber included

Accessoires	
19200020	Pre-treatment unit 5 µm + hardness stabilization
19200022	Pre-treatment unit 5 µm + activated carbon
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19200050	UV tank disinfection unit Omnia 254
19200054	UV flow-through disinfection 254
12280050	Spare/second cartridge type DS 2800 RV
19200040	Emergency supply
19200041	Degassing unit
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m³/h – 3.5 bar
19200500	Volume dosing Omnia

Flow chart OmniLab^{DS}60
with UV Flow through + tank disinfection
+ degassing unit + emergency supply



OmniaLab^{RO}

The big one.
For H_2O pure type III.

The OmniaLab^{RO} is used when there is a need for constant large quantities of reverse osmosis water in the laboratory. The system meets international water standards such as type III. In addition, the OmniaLab^{RO} system holds 100 liters of reverse osmosis water in a storage tank ready for withdrawal. This system is used to supply autoclaves, laboratory dishwashers, humidifiers and ultrapure water systems.

Features

- OptiFill Dispenser is standard
- With 100 l pure water tank
- Tank volume display in percent
- Tank volume can be modularly increased
- Leakage sensor is standard


One hand operation


Easy water dispensing


Flexible on a work surface


Tank fits space-savingly under the bench top

Spezifikationen	OmniaLab^{RO}20	OmniaLab^{RO}40	OmniaLab^{RO}60
Reverse osmosis water type III			
Pure water performance l/h at 15 °C	20	40	60
RO membrane retention rate in % (ions. germs and bacteria)	> 98	> 98	> 98

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-value [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

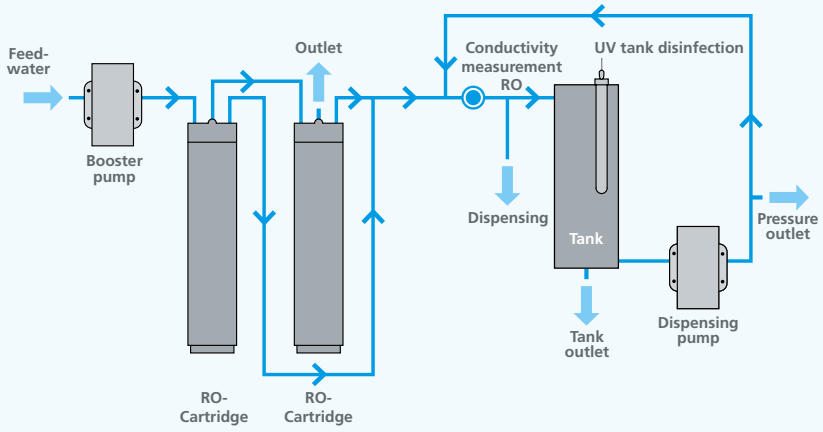
** With an SDI/FI between 3 and 5, pre-treatment must be used

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 Tower* [W x H x D mm]	511 x 1520 x 575	511 x 1520 x 575	511 x 1520 x 575
Dimensions Base cabinet tank [W x H x D mm]	511 x 800 x 575	511 x 800 x 575	511 x 800 x 575
Weight [kg]	38	36	39

* With OptiFill Dispenser

Article no.	System type	Typical applications
18500020	OmniaLab^{RO}20	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers
18500040	OmniaLab^{RO}40	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers
18500060	OmniaLab^{RO}60	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers

Flow chart OmniaLab^{RO}60 with tank disinfection



Accessoires	
19200020	Pre-treatment unit 5 µm + hardness stabilization
19200022	Pre-treatment unit 5 µm + activated carbon
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19200050	UV tank disinfection unit Omnia 254
19200054	UV flow-through disinfection 254
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m³/h – 3.5 bar
19200500	Volume dosing Omnia

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