

Japanese technology origin

TOCLAS DNA HISTORY



For over 40 years, we have been manufacturing and selling kitchens, bathrooms, and bathroom vanities in Japan.

The accumulated experience and technology cultivated during this time has helped us win the trust of many customers, and currently our products are used by a number of large homebuilders and other companies.

(As of 2012, TOCLAS water purifiers were used in approximately 10,000 general households according to a company investigation.)

- 2014 - August/Sales of water purifiers started in Indonesia
- 2013 - October/TOCLAS Corporation is established.
- 2013 - Capital and business alliance with Sumitomo Forestry Co., Ltd.
- 2011 - Product-integration brand "TOCLAS" is launched.
- 2010 - Water purifier business is transferred from Yamaha Motor Co., Ltd.
- 1991 - Yamaha Livingtec Corporation is established.
- 1987 - Corporate name is changed to Yamaha Corporation.
- 1967 - Household products division is launched, and modular kitchens are developed based on the concept of modular furniture.
- 1897 - Nippon Gakki Co., Ltd. is established. Starts manufacturing organs and later manufactures pianos and high-grade wooden furniture.



SUMITOMO FORESTRY(SINGAPORE)LTD.

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#420 4TH FLOOR YUZANA HOTEL, 130 SHWE GON TAING ROAD,
BAHAN TOWNSHIP, YANGON, MYANMAR
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Manufacturer _____

TOCLAS CORPORATION

1370 Nishiyama-cho, Nishi Ward, Hamamatsu City, Japan
<http://id.toclas.co.jp>

- The colors of the products shown in the photographs may appear to be different from the colors of the actual products due to the printing ink.
- The product specifications are subject to change without notice.



Water Purifier

Japanese technology origin



Making every day pleasant, with clean water.

"My shower water has a bad odor."

"I don't buy white shirts or sheets because they will become discolored when I wash them."

"We don't eat fresh vegetables or noodles because it is so much trouble to wash them."

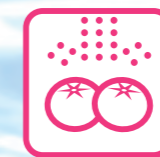
Has this lifestyle become common for you?

"Water" is essential for your body and in daily life.

By changing your "water," you will have even richer life.

Before giving up, please try our water purifier.

A life filled with smiles is surely waiting for you.



Convenience

Cooking & Washing Vegetables

For plenty of clean water



Refreshing

Laundry

For white shirts and sheets that are always white

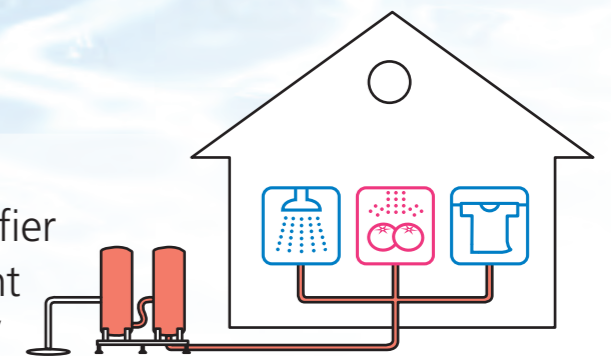


Peace of Mind

Showers & Face Washing

For bathing infants and small children

The TOCLAS central water purifier can make your house a pleasant living space with "clean water."



* For cooking and for washing vegetables and dishes, a water purifier for drinking water is also required.

Providing customers with a pleasant life every day

Make Your Life Tasteful

TOCLAS has inherited the technology and know-how cultivated over many years by Yamaha Motor Co., Ltd. in the development of household water purifiers. We provide our customers with high-quality products and support.

Pleasant Life

Peace of Mind

Complete customer support, from the initial examination to after-sales service

High Quality

Originally developed products, born from our proven technology and wealth of experience

History

Water purifier know-how and water quality data accumulated for over 20 years

Japanese technology origin by TOCLAS.

"Peace of Mind" Total Customer Support

We can provide complete customer support, from testing of the water quality at a customer's house to proposals and estimates for the appropriate water purifiers, installation, and periodic filter replacement.

Water Quality Testing

- If you have problems with your current water or would like to improve your water quality, please contact us.
- We will test the water quality at your house and report the results to you.

Proposals & Quotations

- Based on the configuration of your residence and the water quality testing data, we can propose the appropriate water-purifying method and combination of equipment.
- We provide proposals that include the initial costs (product and installation costs) and a plan for filter replacement.

Contract & Installation

- The appropriate installation work is carried out by professional contractors.
- The proper function of the system is confirmed using a test run, adjustments, and water quality testing after installation and use.

After-Sales Service

- After installation, customer information is recorded and managed to carry out periodic filter replacement.



Water quality testing laboratory

High-Quality Originally Developed Products

In order to effectively remove the causes of discoloration and odors from water, TOCLAS has developed its own high-quality filter based on technology and know-how accumulated over many years. The cartridge filters are manufactured uniformly at a factory. The filters provide a stable water-purifying performance that can be maintained at the level of new filters through periodic replacement.

Comparison of typical water purifiers and TOCLAS

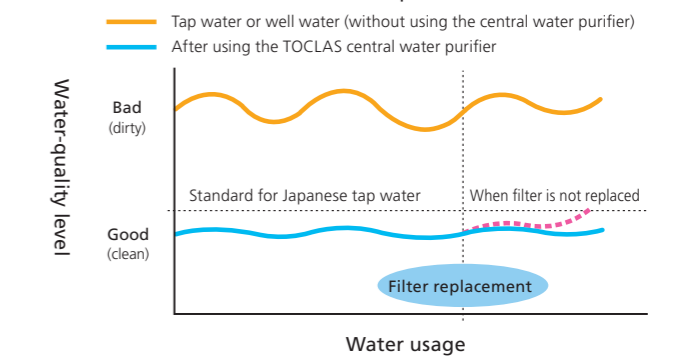
Typical water purifier

- The water-purifying performance is largely dependent on the quality of the activated carbon.
- Because the replacement of the activated carbon is often not considered, it is difficult to maintain the performance.

TOCLAS water purifier

- Cartridge filter
- Stable water-purifying performance
- Easy filter replacement

Performance of TOCLAS central water purifier (based on company data)



Know-How and Data Cultivated through Our "History"

Through the water purifier know-how and water quality data accumulated for over 20 years in Indonesia and Japan, we are able to provide high-quality products and customer support.

TOCLAS water purifier history

Year	Japan	Year	Indonesia	
1989	- Water purifier business launched as IIC, a subsidiary of Yamaha Motor.	1991	- Water purifier business launched as Yamaha Motor.	
2010	- Water purifier business transferred to Livingtec (Currently TOCLAS) from Yamaha Motor.	- Water quality testing laboratory established.	2011	- Yamaha Motor Co., Ltd. announced its withdrawal the water purifier business.
		- Water purifier systems have been installed in the factories of 32 Japanese companies and many restaurants. Cumulative sales are over 40,000 units, and approximately 7,000 units are still being serviced regularly.	2014	- In August 2014, the water purifier business was launched by TOCLAS + Sumitomo Forestry.
2014	- Under-sink-type water purifier Sales of 10,000 units/year Sales of 70,000 replacement cartridges/year 17 patents currently held in Japan (12 patents pending)			



Central Water Purifier

Two water purifier models to suit your living environment, water quality, and water usage. For laundry, showers, and face washing. Clean water in your house whenever you want it.



For small households who live in new apartment buildings, but are slightly concerned about water contaminants. (TW200)



For large households who live in single-family houses and have very dirty water. (TW300)

Materials that can be removed by the central water purifier

- Cloudiness (sand, and so on)
- Pigments (organic matter, rust, and so on)
- Odors
- Free residual chlorine

TW200 **TW300**

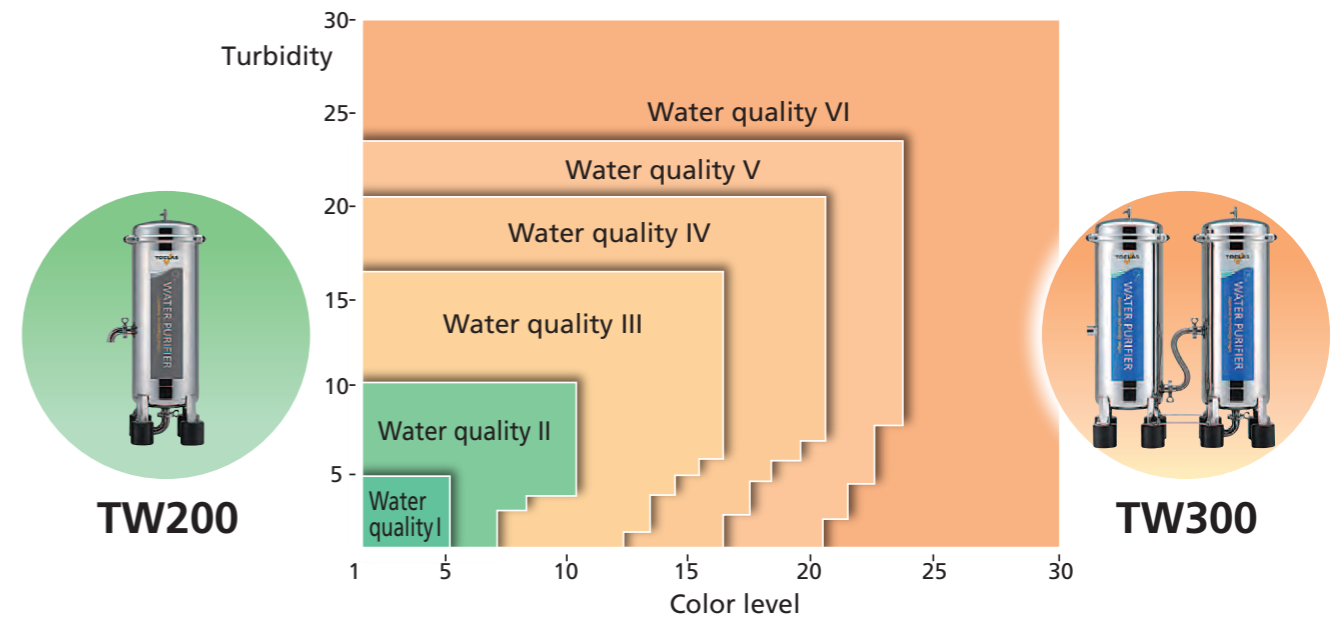
By testing your water quality, we can propose the optimum model !!

What is a central water purifier?

This water purifier can be installed to the water supply pipes of a residence (including apartments) to provide "clean water" for the entire household.

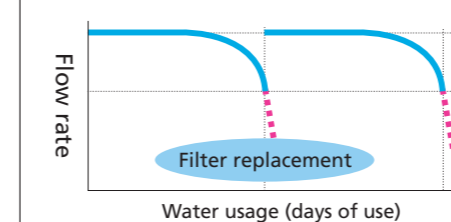
* To create drinking water, a water purifier for drinking water is also required.

Models and estimated maintenance intervals



Average monthly water volume (m ³)		8	16	21	25	30	35	
Maintenance interval	Water quality I	TW200	24 months	15 months	12 months	9 months		6 months
	Water quality II		18 months	12 months	9 months	6 months		6 months or less
	Water quality III	TW300	18 months		15 months	12 months	9 months	9 months or less
	Water quality IV		24 months	15 months	12 months	9 months		
	Water quality V		12 months		9 months	6 months		6 months or less
	Water quality VI		18 months	9 months or less	9 months or less	6 months or less	6 months or less	6 months or less

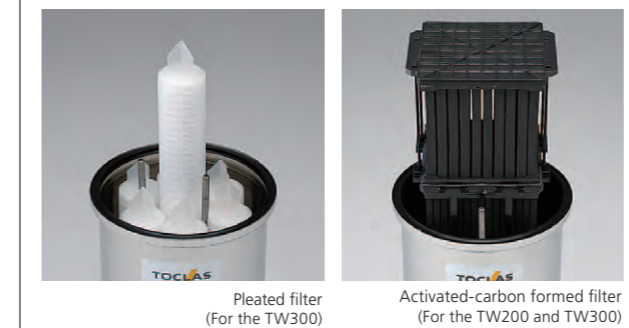
TOCLAS water quality testing & maintenance service, for clean water that you never have to worry about



When the water purifier is used for a long time, the filter will gradually become clogged and the flow rate (water force) will decrease. Although the filter life becomes shorter as the amount of contaminants in the water increases, this is proof that the filter is thoroughly removing contaminants. At TOCLAS, we are confident in the water-purifying performance of our products. We test the water quality of the purified water and report the results to you. In addition, in order for our customers to comfortably enjoy using our water purifiers, we notify each household of the optimum filter replacement period based on the water quality and water usage at the time of purchase and during maintenance so that our customers can save money without worries.

Cartridge replacement filter

The replacement filter uses a cartridge type that has been manufactured uniformly at a factory. Each time the filter is replaced, the performance is maintained at the level of a new filter. The filter can be replaced in a short amount of time without making the surrounding area dirty.



Compact space & high durability

In addition to the compact size designed for installation in all locations, the case, pipes, and small components such as screws are made from high-grade stainless steel (SUS304) to remain clean and prevent rust even after prolonged use. While maintaining a beautiful appearance, this material also has excellent strength and can withstand high pressure.





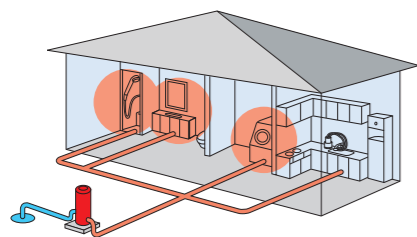
Central Water Purifier



Designed for a compact space with an affordable price. A high-performance, activated-carbon formed filter for clean water in your house whenever you want it.

Main features

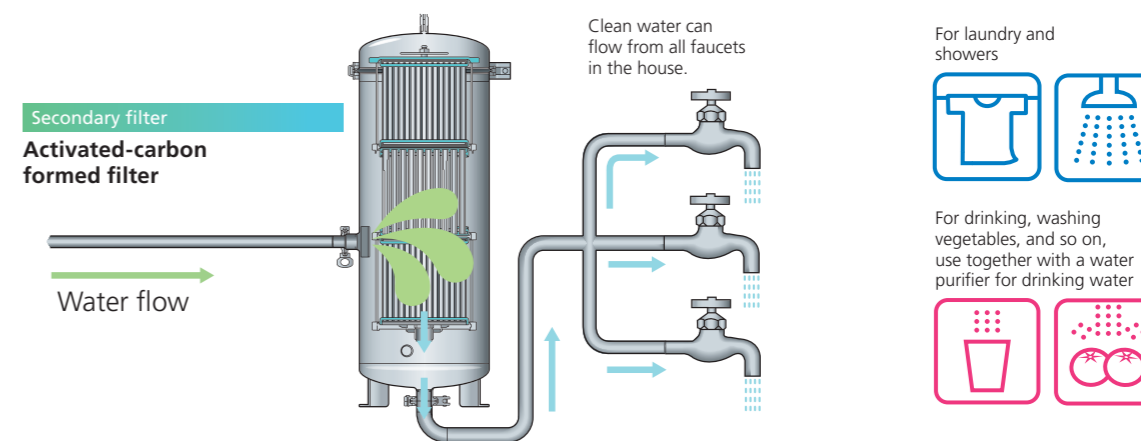
- 1 Activated-carbon formed filter removes pigments, odors, and residual chlorine to create a sufficient amount of clean water for household use.
- 2 Cartridge-type replacement filters are used. Maintains performance at the level of new filters.
- 3 Customers are notified of the cartridge replacement period based on the water quality and water usage.



Central Water Purifier
TW200

“A single unit that purifies all of the water for a household” using an activated-carbon formed filter that thoroughly removes contaminants without interrupting the water flow. The TW200 Central Water Purifier.

High-performance, activated-carbon formed filter for creating clean water



TOCLAS formed activated-carbon filter



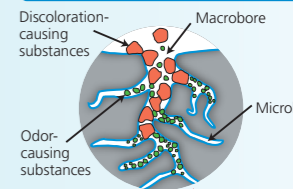
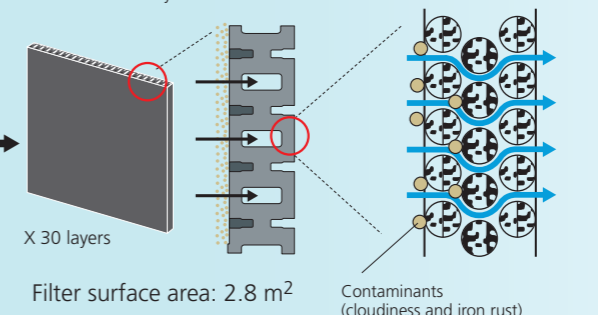
Point 1
Large water volume
→ Remarkably large filter area

Because the contaminants do not accumulate in a thick layer, the water flow continues. 30 layers

Point 2
Contaminants do not escape
→ Formed with uniform gaps

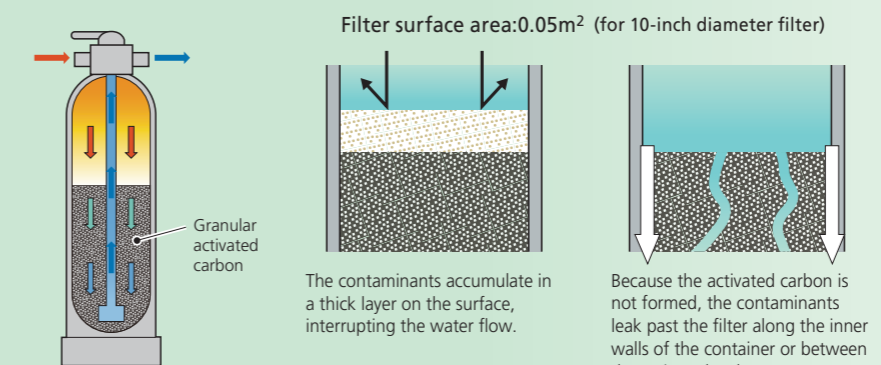
The ideally formed uniform gaps thoroughly trap contaminants.

Point 3
Thoroughly removes substances that cause discoloration and odors
→ Carefully selected high-performance, activated carbon



TOCLAS has conducted research on activated carbon for many years and uses carefully selected safe activated carbon that has high performance.

Typical activated carbon filter



Coarse activated carbon...
Fine activated-carbon powder and harmful substances may dissolve into the water.



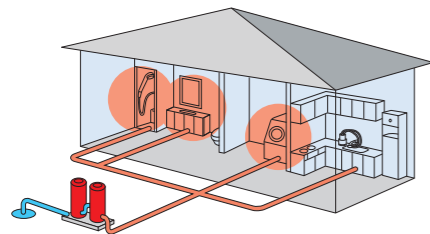
Central Water Purifier



Plenty of water for household use in daily life.
A two-stage filter for clean water in your house
whenever you want it.

Main features

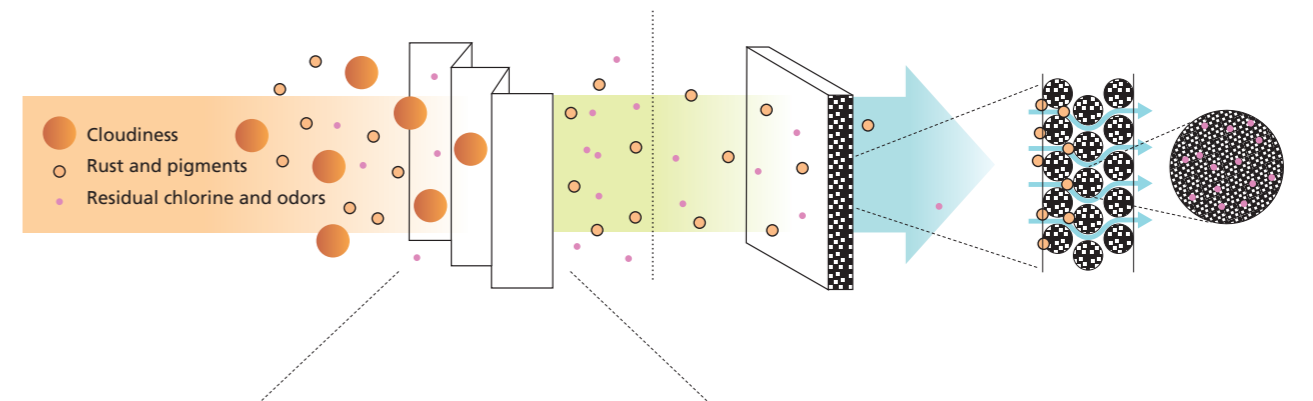
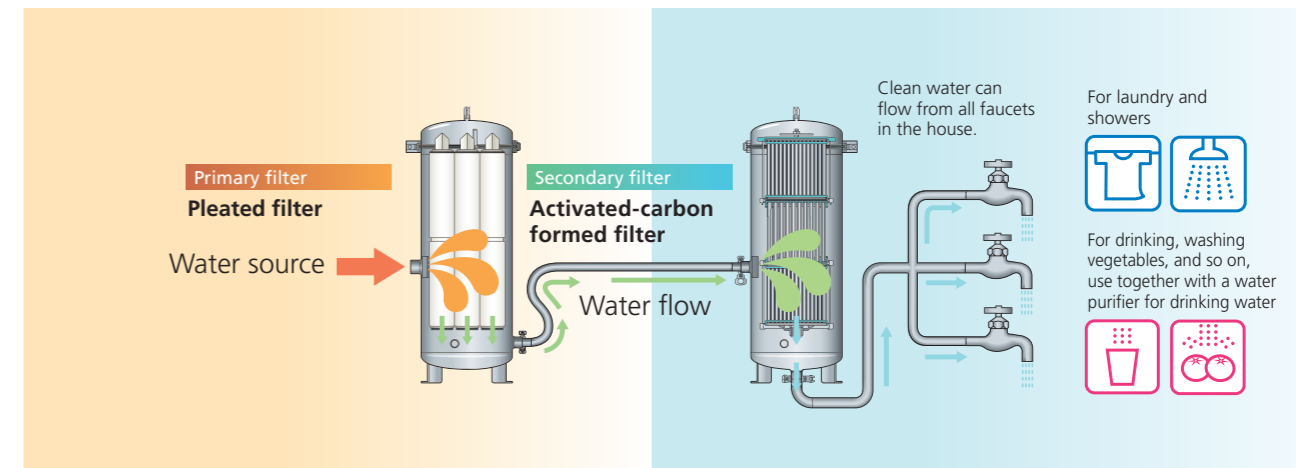
- 1 Two-stage, high-performance filter removes pigments, odors, and residual chlorine to create a sufficient amount of clean water for household use.
- 2 Cartridge-type replacement filters are used. Maintains performance at the level of new filters.
- 3 Customers are notified of the cartridge replacement period based on the water quality and water usage.



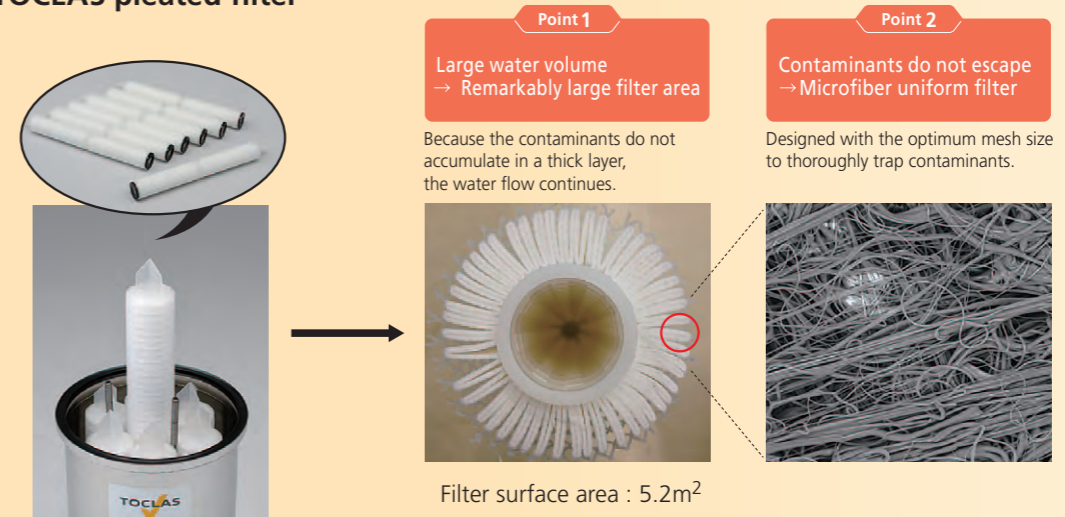
Central Water Purifier
TW300

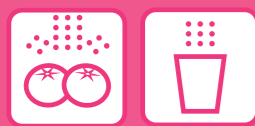
“A single unit that purifies all of the water for a household” using a two-stage filter that thoroughly removes cloudiness and contaminants without interrupting the water flow. The TW300 Central Water Purifier.

Purifies very dirty water. Two-stage, high-performance filter



TOCLAS pleated filter





Water Purifier for Drinking Water

For drinking water, use together with a central water purifier

What is a water purifier for drinking water?

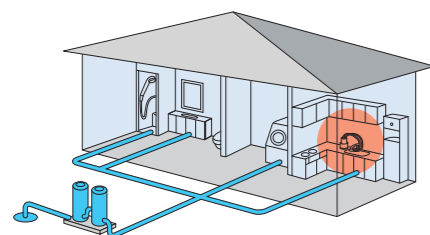
The water created by a central water purifier cannot be used for drinking water. By using the water purifier for drinking water, you can use the created water as drinking water. Because you no longer have to purchase and carry bottled water, this water purifier is very convenient. The water purifier is environmentally friendly because you can significantly reduce the number of plastic bottles that are disposed of and it is also more economical than purchasing many bottles of water.

For water you can drink from the faucet.
Convenient for cooking and washing vegetables.

Main features

- (1)The hollow fiber membrane filter eliminates rust, bacteria, and other impurities with a size of 0.1 μm to create water that is suitable for drinking.
- (2)Attaches to a water faucet; therefore, you do not have to make a hole in your kitchen or walls.
- (3)The filter uses a cartridge type that can be replaced using a one-touch operation.

* In order to use the full performance of the product, it must be used together with the central water purifier.
* Before use every day, allow the water (discarded water) to flow for 30 seconds or more. (This process is necessary to discharge the stagnant water in the water purifier.)



With a one-touch joint, cartridge replacement is easy!

Faucet-Mounting Water Purifier for Drinking Water TWD7

(Includes One JC-1500)

Accessory Parts



Joint hose Switching cock Connecting adapter Hose band

Dispenser-type water purifier with UV sterilization function

Main features

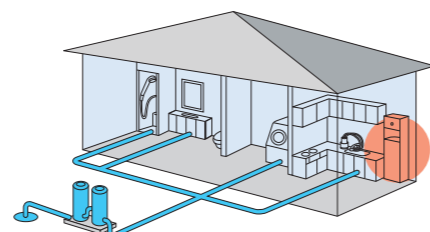
- (1)The hollow fiber membrane filter eliminates rust, bacteria, and other impurities with a size of 0.1 μm to create water that is suitable for drinking.
- (2)Because the Firewall technology (UV sterilization) can eliminate up to 99.9999% of bacteria and viruses each time water is dispensed, it is not necessary to discard water every day.
- (3)Because you can use cold, warm, and hot water at any time, in addition to dispensing drinking water, it is very convenient for making coffee, tea, and so on.

* This product is manufactured by Waterlogic.
<http://www.waterlogic.com/>

* In order to use the full performance of the product, it must be used together with the central water purifier.

* The UV lamp must be replaced once per year.

* Recently, especially in the US and European beverage industry, Waterlogic was the first company to introduce a water purifying dispenser that was connected directly to a tap water supply. With a stylish design and based on the trust gained from Firewall and other revolutionary technological innovations, the water dispensers are currently used in offices, factories, hospitals, hotels, schools, restaurants, and many other locations. Since sales began in 1992, cumulative shipments have surpassed 700,000 units.



Dispenser-Type Water Purifier for Drinking Water

(Includes One JC-1500)

WL2FW



NSF-certified, high-performance filter



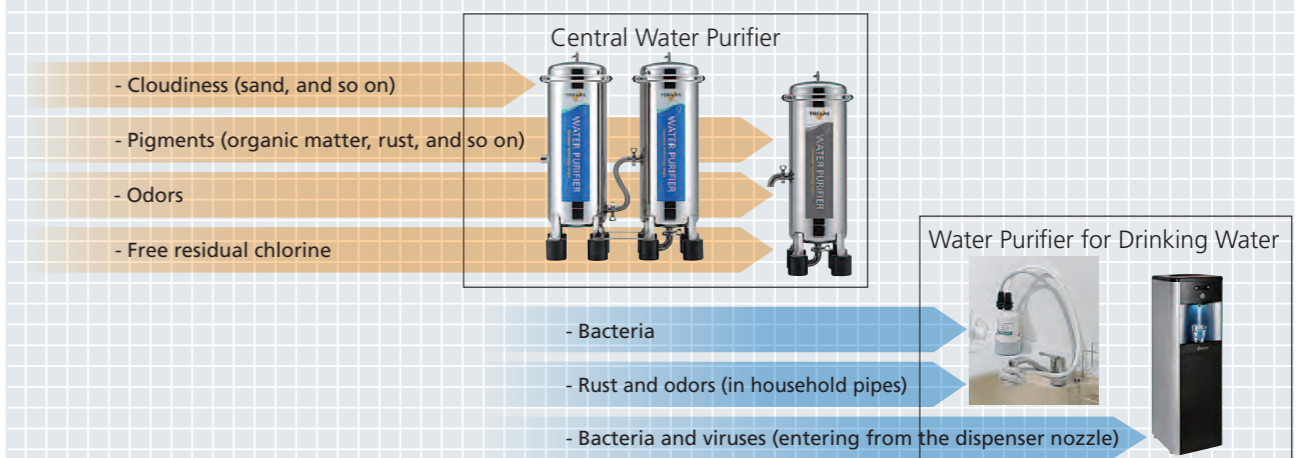
Main features

- (1)The hollow fiber membrane eliminates rust, bacteria, and other impurities with a size of 0.1 μm to create water that is suitable for drinking.
- (2)The carefully selected high-quality activated carbon completely eliminates free residual chlorine and chlorine odors to create great-tasting water.

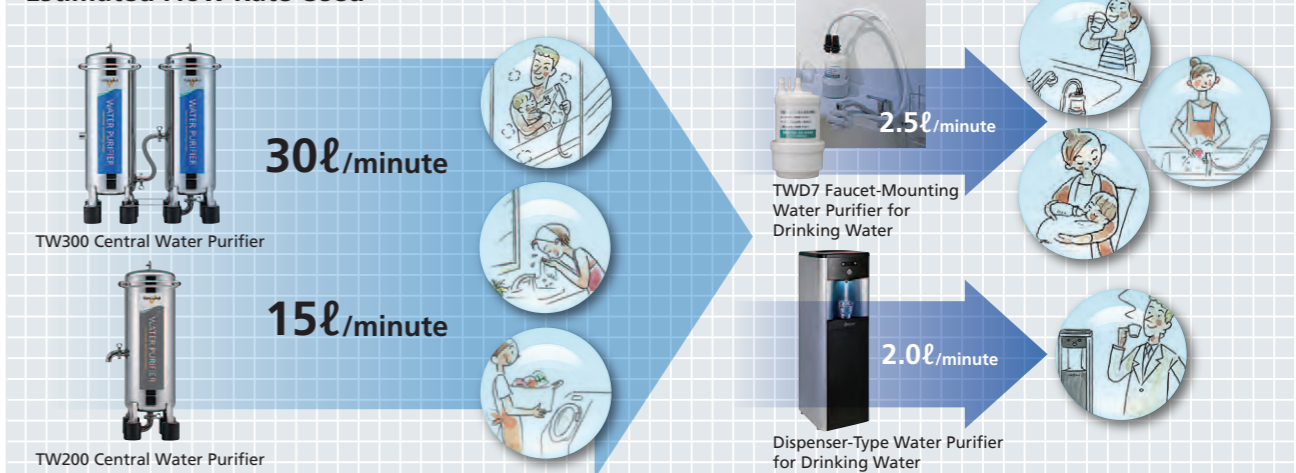
Replacement Filter Cartridge for Water Purifiers for Drinking Water

JC-1500

Materials that can be removed by the central water purifier and water purifier for drinking water



Estimated Flow Rate Used



NSF Certified

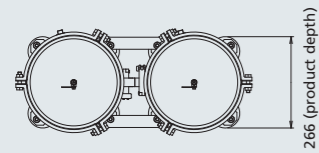
TOCLAS water purifiers, which provide clean water and drinking water, are manufactured from carefully selected materials under strict quality control standards. The safety and performance of the water purifiers are assured by NSF certification*.

* NSF is an international, independent organization that tests and certifies water quality and food safety. NSF is considered to be the authority with a leading role for preparing national standards based on the agreement of experts in various fields, such as regulatory authorities, the manufacturing industry, academic organizations, scientific research organizations, and the capital goods industry.

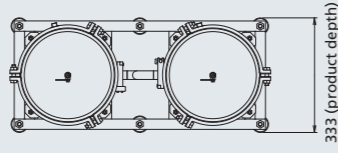
TW300 Central Water Purifier

(mm)

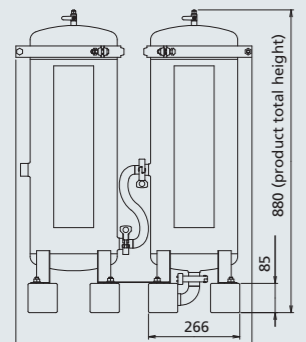
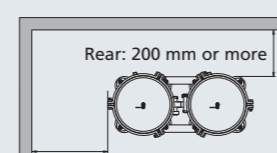
Rubber-Mount Type (Standard)



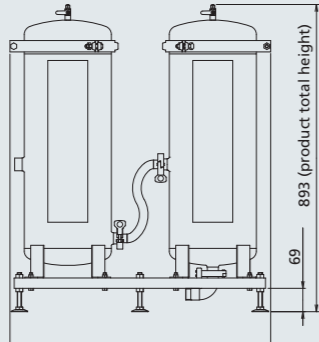
Rack Type (Optional)



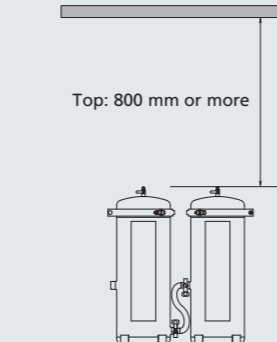
Required Installation Space



686-731 (product maximum width)



758 (product maximum width)



Top: 800 mm or more

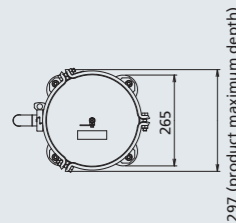
	Primary filter	Secondary filter
Body material	Stainless steel (SUS304)	
Housing diameter	253 mm	
Housing internal capacity	36ℓ	
Filter specifications	7 pleated filters	1 activated-carbon formed filter
Filter material	Polypropylene	Coconut shell activated carbon
Filter weight	3.4 kg (7 filters)	6.4 kg (1 filter)
Filtration target	Cloudiness	Residual chlorine, iron, odors, and pigments
Maintenance	The activated-carbon filter is replaced at the maintenance interval set according to the quality of the source water and the water usage.	
Piping	1" (25A) internal threads	1" (25A) external threads

		Primary filter	Secondary filter
Rubber-mount type (standard)	Dry weight (without filters)	14.1 kg*1	13.5 kg*2
	Dry weight (with filters)	17.5 kg*1	19.9 kg*2
	Water-filled weight (with filters)	45.5kg	42.9 kg
Rack type (optional)	Dry weight (without filters)	29.5 kg*1 *2	
	Dry weight (with filters)	39.2 kg*1 *2	
	Water-filled weight (with filters)	90.2 kg*1 *2	

*1 Including an S-shaped pipe and 2 joints. *2 Including an L-shaped pipe and 1 joint.

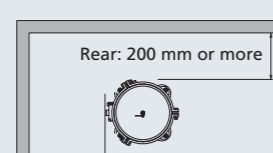
TW200 Central Water Purifier

(mm)

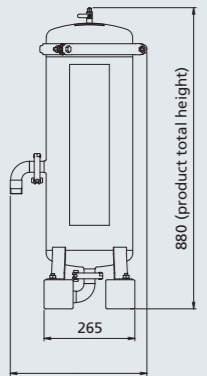


297 (product maximum depth)

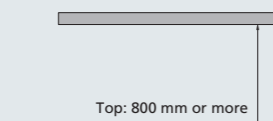
Required Installation Space



Side: 300 mm or more



399 (product maximum width)



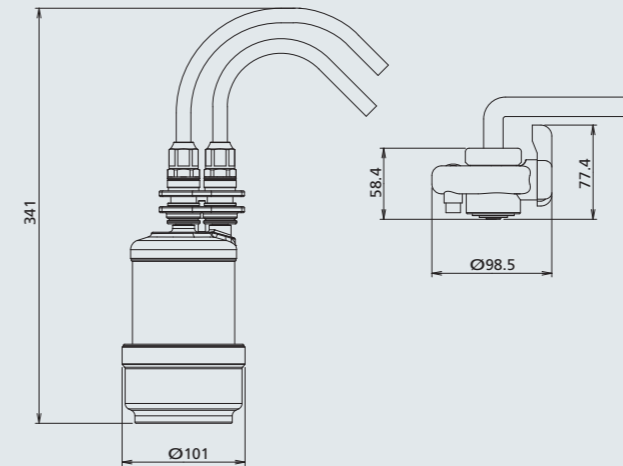
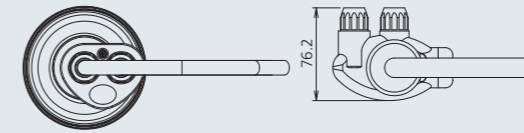
Top: 800 mm or more

Body material	Stainless steel (SUS304)
Housing diameter	253 mm
Housing internal capacity	36 ℓ
Filter specifications	1 activated-carbon formed filter
Filter material	Coconut shell activated carbon
Filter weight	6.4 kg (1 filter)
Filtration target	Cloudiness, residual chlorine, iron, odors, and pigments
Maintenance	The activated-carbon filter is replaced at the maintenance interval set according to the quality of the source water and the water usage.
Piping	1" (25A) external threads
Dry weight (without filters)	14.3 kg ^{*1}
Dry weight (with filters)	20.7 kg ^{*1}
Water-filled weight (with filters)	43.7 kg ^{*1}

*1 Including an L-shaped pipe and 1 joint.

Faucet-Mounting Water Purifier for Drinking Water

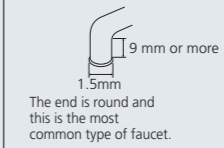
(mm)



TWD7 Faucet-Mounting Water Purifier for Drinking Water

<Faucets that can be used>

(A) Round faucet



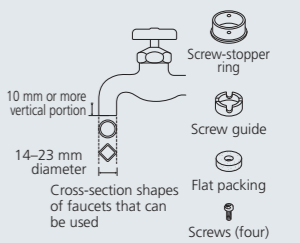
(B) Aerated faucet



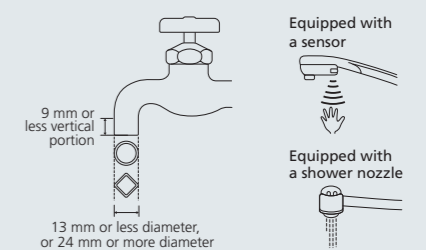
A metal fixture is attached to the end of the faucet to mix air with the flowing water.

(C) Other faucets that can be used

Use the following accessories.

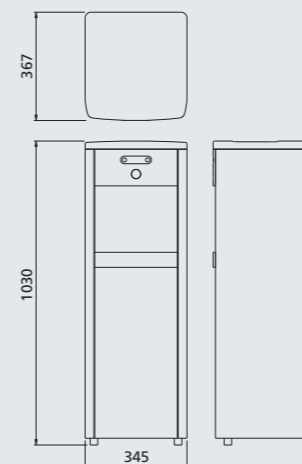


<Faucets that cannot be used>



WL2FW Dispenser-Type Water Purifier for Drinking Water

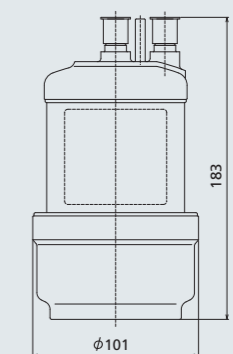
(mm)



Item	Specifications
Piping	1/4" hose
Cold water temperature/tank capacity	5-8°C/4ℓ
Warm water temperature/tank capacity	85-95°C/1.5ℓ
Weight	29 kg
Power source	230volts / 50Hz
Power consumption (for normal use)	680W
Power consumption (for hot water)	800W

JC-1500 Replacement Filter Cartridge for Water Purifiers for Drinking Water

(mm)



Item	Performance
NSF certification	NSF/ANSI 42
Structural strength	97.3%
Particle removal efficiency	99.8% (class I: 0.5-1.0µm)
Structural strength	Hydrostatic pressure test 300psi (20atmospheres) for 15minutes
	Durability test 150psi (10atmospheres) for 100,000cycles