

Specification

Model		Tank Dia. (mm)	Size			Weight (kg)	Capacity (m³)			
			L (mm)	W (mm)	H (mm)		Standard (/H)	Standard (/D)	Maximum (/D)	
SIPHON TANK	ST-700	700	2,200	1,700	3,330	1,050	3.8	87.4	105.8	
	ST-900	900	2,500	1,800	3,430	1,100	6.3	144.9	174.8	
	ST-1000	1,000	2,650	2,100	3,660	900	7.8	179.4	216.2	
	ST-1200	1,200	2,720	2,100	3,760	1,350	11.3	259.9	310.5	
	ST-1500	1,500	3,600	2,600	4,210	2,300	17.6	404.8	485.3	
	ST-1600	1,600	3,800	2,700	4,320	2,120	20.0	460.0	554.3	
	ST-1800	1,800	3,300	2,900	4,360	2,800	25.4	584.2	701.5	
	ST-2000	2,000	3,700	3,100	4,810	3,200	31.4	722.2	864.8	
	ST-2200	2,200	4,100	3,500	4,860	4,000	37.9	871.7	1,046.5	
	ST-2500	2,500	5,000	3,800	5,410	5,300	49.0	1,127.0	1,352.4	
	ST-2800	2,800	5,300	4,100	5,560	6,400	61.5	1,414.5	1,697.4	
ST-3000	3,000	6,000	5,000	5,620	8,000	70.6	1,623.8	1,948.1		
Mobile SIPHON TANK	MST-260		260	900	1,050	2,100	600	0.5	11.5	13.8
	MST-450		450	1,000	1,150	2,100	900	1.5	34.5	43.7
	MST-550		550	2,100	1,350	2,100	1,200	2.3	52.9	64.4
	MST-700		700	2,600	1,575	1,800	1,900	3.8	87.4	105.8
	MST-1000		1,000	3,250	1,900	2,000	2,500	7.8	179.4	216.2
	MST-1200		1,200	3,520	2,100	2,100	2,900	11.3	259.9	310.5
	MST-1600		1,600	4,120	2,300	2,650	3,500	20.0	460.0	554.3
	MST-1800		1,800	4,120	2,300	2,670	4,200	25.4	584.2	701.5
	MST-1600S	UNIT TANK	1,600	2,970	1,700	1,750	1,500	20.0	460.0	554.3
		1,950		2,435	1,850					
	MST-1800S	UNIT TANK	1,800	3,070	1,900	1,750	1,700	25.4	584.2	701.5
		2,560		2,438	2,000					
	MST-2300S	UNIT TANK	2,300	3,270	2,050	1,800	1,900	41.5	954.5	1,145.4
		3,090		3,010	3,850					
	MST-2300SH	UNIT TANK	2,300	3,270	2,050	1,800	1,900	41.5	954.5	1,145.4
		3,090		3,110	3,900					



Nihon Genryo has launched the WATER PLANetPROJECT to eliminate global water disparities. By applying the technology and knowledge we have cultivated since our founding, we will actively strive, as a manufacturing company, to deliver safe and secure water not only in Japan but worldwide.



Since the 1960s, even before SDGs were adopted, Nihon Genryo has protected natural resources, and in order to provide safe and secure water to future generations, we have developed our business with an eye towards future in areas such as recycling. We will continue our efforts even when 2030—the target year for achieving SDGs—has passed.



<https://www.genryo.co.jp/en/>



NIHON GENRYO Co., Ltd.

HQ : 1-2 Higashida-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0005 Japan

Establishment : December, 1939
Managing Director : Yasuhiro SAITO
Capitals : 98 Million JPY

Business : Water Purification System (SIPHONTANK)
Develop & Manufacture Filter Media
Filter Media Recycling
Patents : More than 100 Patents (as of 2020)

■ Manufacturer
Overseas Division, NIHON GENRYO Co., Ltd.



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TEL +81-44-222-5555
URL <https://genryo.co.jp/en/contact/>

■ Distributor
FUSO America Corporation



✉ info@fusoamerica.com
URL <https://www.fusoamerica.com/>

Any Problems With Your Water Treatment?

What is your Current System?

Membrane Filtration

Sand Filtration

Activated Carbon

Ion Exchange

Sedimentation

Others

None

What is your Concern?

O&M

- Frequent clogging
- Troublesome replacement
- Filter media fixation
- Constant inspection

Cost

- Frequent filter replacement
- High power consumption
- High water consumption
- High chemical costs

Water Quality

- Insufficient outcome
- Unable to control changes

Footprint

- Large facility
- Long process



SIPHON TANK is the Solution



Cutting-Edge Technology

3 Core Elements



1 SIPHON Washing



2 Filter media① 0.6 Interceptor



- Unique development
- Very uniform particles size
- Captures 2.3 times the suspended matter of ordinary filter media



- Expanded filtration layer
- Controllable specific gravity of anthracite

The amount of captured suspended matter is increased by **2.6** times

SIPHON TANK (Stationary type)

- Installed in industrial plants, such as:
- Wastewater treatment
- Circulating water
- Process water treatment



Mobile SIPHON TANK (Transportable)

- All in ONE-UNIT (control panel, pipe, and chemical injector)
- Installed for disaster recovery assistance



Five Main Characteristics and Customer Feedback

SIPHON Boy

1 No Replacement of Filter Media

Filter media can be reused unlimited number of times

No need to stop plant operation for the replacements.

2 Significantly Reduce Membrane Workloads

Ideal pretreatment for the membrane filtration

Reduce membranes replacement costs.

3 Maintain Stable Water Quality

Maintain desired turbidity (0.05 NTU) for more than 20 years

Semiconductor wafer cleaning is one of the best-case studies.

4 Maintenance Free

Save maintenance cost and human resource for other productive works

Real maintenance free! You can leave SIPHON TANK work by itself.

5 Capable of High Turbidity

Zero downtime by preventing fixation of filter media

Keep industrial wastewater meet community's effluent standards.

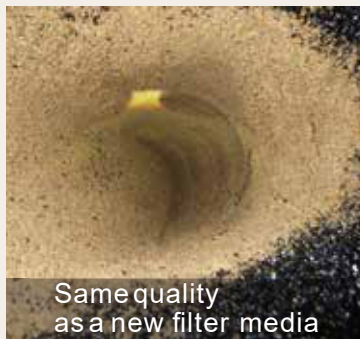
* Service life varies depending on raw water

Reference ①

Application: Pre-treatment of RO equipment for pure water treatment (semiconductor plant) / Model: ST-2200x 2 units (replaced from conventional sand filter) / Country: Japan



Before	① High water turbidity (0.5 NTU) ② High running costs ③ Not compliant with environmental management
After	① Lower water turbidity (0.05 NTU) ② Dramatic reduction in running costs, raw water, chemical, electricity, RO membrane & maintenance ③ Reduction of industrial wastes



After 17 years of usage

Same quality as a new filter media

Reference ②

Application: Wastewater treatment (plating plant) / Model: ST-900x 1 unit (replaced from conventional sand filter) / Country: Thailand



Before	① Wastewater quality below the standards of Thailand ② Unstable water quality ③ High chemical costs
After	① Meets wastewater standards value of Thailand regulation ② Stable water quality ③ Greatly reduced chemical costs

	Before	After
Color	208.6 TCU	0.5 TCU
Turbidity	12.0 NTU	0.12 NTU
Cu ²⁺	2.23mg/L	0.06mg/L