



Standard product reference diagram

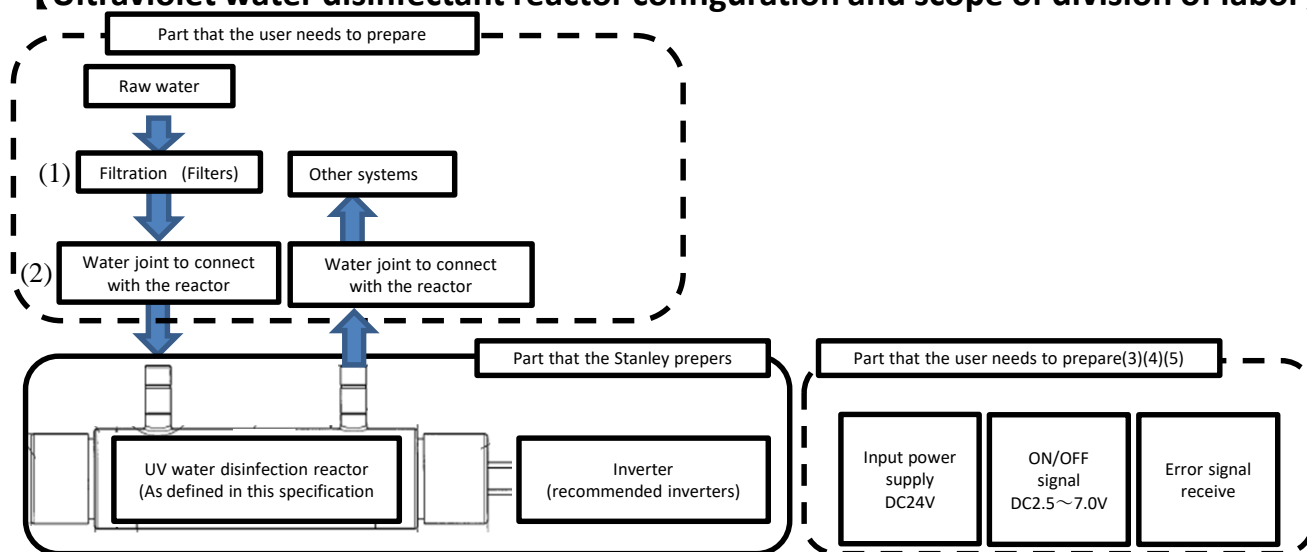
Water Disinfection Unit US/30F150/S4

【Features】

- This device is more compact than other general water disinfectant units, and so can be installed in narrow spaces where installation was hitherto impossible
- Water amount: Can handle 2L /min Max.
- Service life is 20,000h(approx.2 years), thus reducing maintenance frequency.
There is a built-in lamp that uses a unique Stanley Electric metal cap electrode, so oscillation is strong, and the lamp does not suddenly turn OFF.
Service life is not affected even if control is turned ON/OFF, so the customer can set the lamp ON conditions that suit them.
- Water bearing pressure=1.75MPa(Static water pressure/water bearing test JIS3200-1)



【Ultraviolet water disinfectant reactor configuration and scope of division of labor】



(1)Filter

Before passing water through the UV reactor, install filters, etc., and use raw water within the scope of the specifications.

(2)Water inlet/outlet joints and piping

Reactor joint screw standards: joints suited to Outer diameter $\phi 8$ - Inside diameter $\phi 6$ water in/out pipes, one-touch joints, etc.... *Use UV-resistant joints and pipe tubes.

(3)DC power supply for inverter motor

Recommended output specifications: $24V \pm 10\%$ /2A min.; switching power supply, etc

(4)inverter input terminal XAP-04V(JST)

(5)Reactor securing jig

Secure the main reactor unit ($\phi 30$) using the securing jig, etc. $\phi 30$ securing holder, machine mounting holder, for $\phi 30$, etc.

【Recommended Applications】

Recommended for water purifiers and applications with limited installation space.

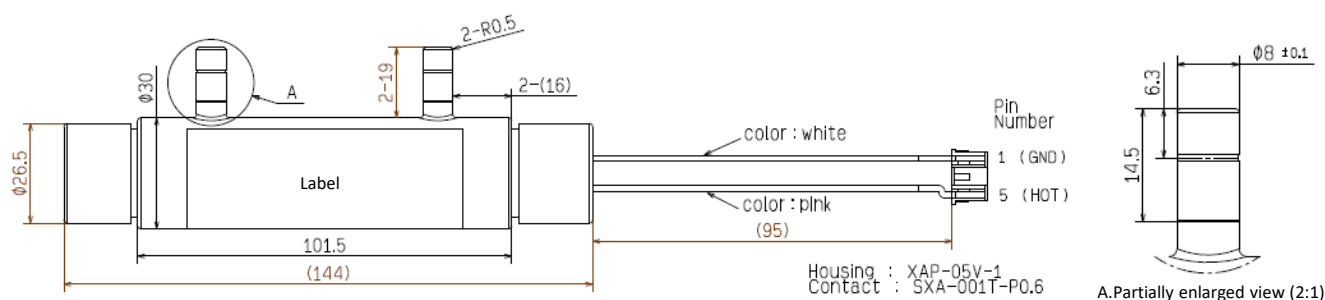
* This product use mercury.

Separate and drain in the home according to local government rules, and businesses, etc., should process according to the law.
For treaties concerning mercury, see the website of the Japan Lighting Manufacturers Association.
<http://jlma.or.jp/kankyo/suigin/index.htm>



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【Dimensions】



【Specifications】

No.	Item	Standard value	Unit	Notes
1	Max. flow amount	2MAX	(L/min)	Note 1
2	Max. use pressure	0.875	(MPa)	Use pressure
3	Pressure resistance value	1.75MIN	(MPa)	Using static water pressure and pressure resistance test JIS S3200-1
4	Use temperature range	4~40	(°C)	Environment temperature and raw water temperature
5	Power consumption	(6.7)	(W)	Note2
6	Product service life	20,000MIN	(h)	Notes3 and 4
7	Reactor materials	Water intake:SUS316L Others:SUS304	-	Outer surface is # 180 buff finish
8	Primary raw water	Water conforming to water quality standards for tap water	-	Water examined and verified as drinkable by the insurance agency with regional jurisdiction ※When cleaning the pipe, since the cleaning liquid immediately so that no residue remains.
9	Joint connectors	Outer diameterφ8 Inside diameterφ6	(mm)	Please use One touch fitting.
10	Ultraviolet radiation intensity	7.0MIN	(μW/cm ²)	Measuring distance=1m Intensity of the lamp only until the end of service life

Note1. The amount of flow into the reactor changes depending on the joints and pipe diameters used, as well as the pressure conditions .If the amount of water exceeds the maximum, disinfection performance will be reduced.

Note2. This is the input power when operating the water disinfectant reactor.

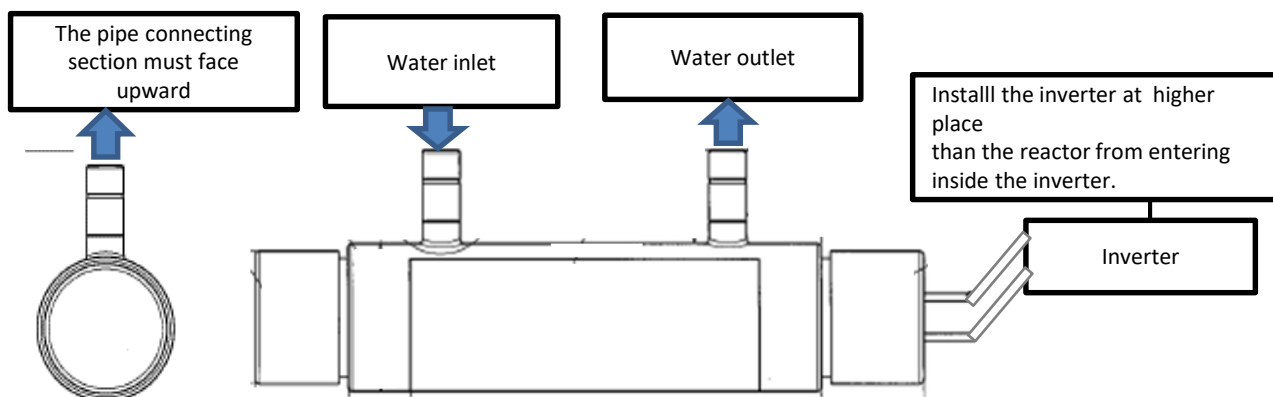
Note3. Definition of product service life. When the ultraviolet intensity of the disinfectant lamp is 7μW/cm².

Note4. Replace each water disinfectant unit individually when replacing a water disinfectant reactor at the end of its service life.

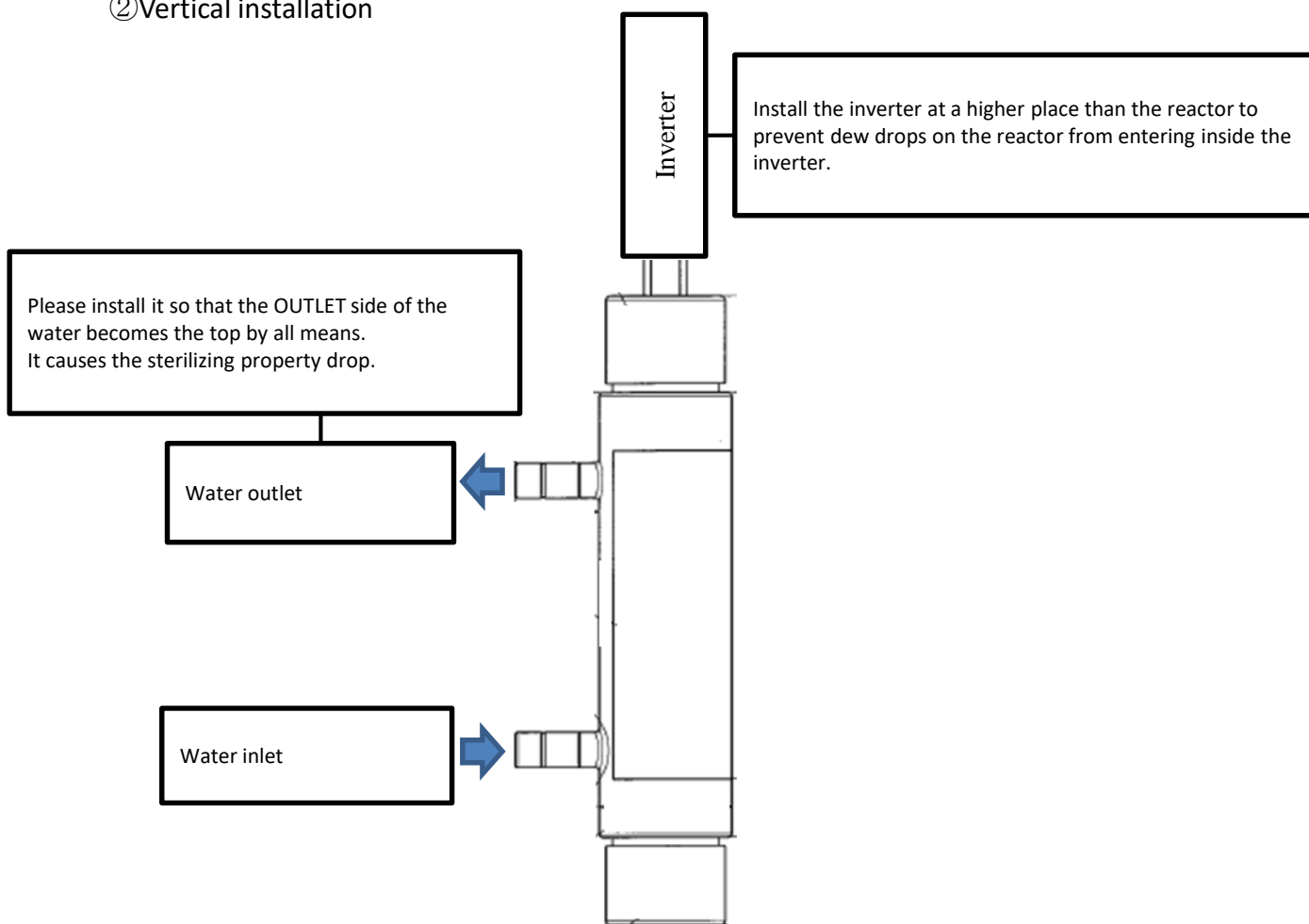
Note5. The weight of the reactor (excluding the inverter) is approx. 157g when empty, and approx. 209g when filled with water.

【Installation Method】

① Horizontal installation



② Vertical installation





【Operations,Storage Environment, and Use Conditions】

Item		Standard		
		MIN	TYP	MAX
Operating temperature range	(°C)	4	-	40
Operating humidity range	(%Rh)	5	-	95
Storage temperature range	(°C)	-20	-	85
Storage humidity range	(%Rh)	5	-	95

- * “Storage” means in a state where no water can enter an the packaging is unopened.
- * The recommended storage temperature is 0°C to 40°C with 80%Rh max. relative humidity.
- * Make sure the storage period is 6 months max.



Handling Precautions

Water Disinfection Unit US/30F150/S4

1. An inverter is required to turn ON the product's lamp.
The inverter has a high voltage. As there is a risk of electric shock, do not touch the lamp or inverter when they are ON.
2. See the inverter data for information regarding the inverter.
3. The lamp emits ultraviolet rays (mainly 254nm) when it is ON.
Do not look directly at the beam with the naked eye. Also make sure that reflected light does not enter the eyes. Doing so may cause eye pain or damage your eyesight.
4. Do not allow the ultraviolet rays to contact your skin either directly or indirectly.
Doing so may cause skin inflammation or suburn.
5. Do not immerse the product in water, Doing so risks short circuit and electric shock.
7. If the connection between the wire harness and the inverter is incomplete, it may cause smoke and fire.
Check that the fitting is complete to the very end.



1. This product conforms to RoHS directives.
2. The product is outside the scope of the Minamata Convention.
Both manufacture and sale will be possible from 2021. Use with peace of mind.
Separate and drain in the home according to local government rules, and businesses, etc., should process according to the law.

Requests and precautions described in this data sheet and when using the product

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