

Powerful!! Ultraviolet.

What is Ultraviolet?

Ultraviolet may be a 'great detriment in your skin', as you know. Ultraviolet is a short wavelength and is the most powerful light of all lights emitted from the sun and that reaches the earth. UV's high disinfecting power can cause disadvantageous effects if it directly irradiates human bodies and skin. However, by avoiding direct irradiation, UV can be used as an effective method in various fields. These days, the UV issue involves ozone depletion, which has come under close scrutiny as a geo-environmental issue. Anti-UV technology is now in the spotlight once again.

Utilization of UV is viewed as a new development.

As the expression "sunlight disinfection" suggests, technologies to artificially produce ultraviolet light (and thus take advantage of its strong photo-reactivity) are being developed and commercialized. As a utilizing-UV technology, UV is used in not only disinfecting but also in organic matter decomposition (water processing), surface modifications and curing for coating compositions and ink. These methods have come to be used in various fields. This technology has the advantages of being safe, having no residual toxicity, and it is easy to introduce. More over, it is chemical-free and, solventless, and offers space-saving, energy savings and cost savings, and is a high profile eco-technology that can meet society needs.

Fluid
disinfect

Air
sterilization

Surface
disinfection.

Amount of the UV exposure required for all sorts of fungus to be disinfected.		
Visible bacterium (Gram-negative organism)	Amount of the UV exposure (Rate of eradication)	Required exposed time (SPACE CLEAN horizontal type use)
Bacillus coli	6, 600 μw/cm²	0. 18 Sec
Bacillus dysenteriae	3, 400 μw/cm²	0. 09 Sec
Pseudomonas aeruginosa	10, 500 μw/cm²	0. 29 Sec
Visible bacterium (Gram-negative organism)	Amount of the UV exposure (Rate of eradication)	Required exposed time (SPACE CLEAN horizontal type use)
	11, 000 μw/cm²	0. 30 Sec
	22, 000 μw/cm²	0. 61 Sec
	5, 500 μw/cm²	0. 15 Sec
	6, 600 μw/cm²	0. 18 Sec
	5, 700 μw/cm²	0. 16 Sec
Mold spore	Amount of the UV exposure (Rate of eradication)	Required exposed time (SPACE CLEAN horizontal type use)
	26, 400 μw/cm²	0. 73 Sec
	22, 000 μw/cm²	0. 61 Sec
	330, 000 μw/cm²	9. 16 Sec
	99, 000 μw/cm²	2. 75 Sec
	220, 000 μw/cm²	6. 11 Sec
Virus	Amount of the UV exposure (Rate of eradication)	Required exposed time (SPACE CLEAN horizontal type use)
	6, 600 μw/cm²	0. 18 Sec
	6, 000 μw/cm²	0. 16 Sec
	4, 800 μw/cm²	0. 13 Sec
	4, 500 μw/cm²	0. 13 Sec

Advantages
in using UV.

Simple

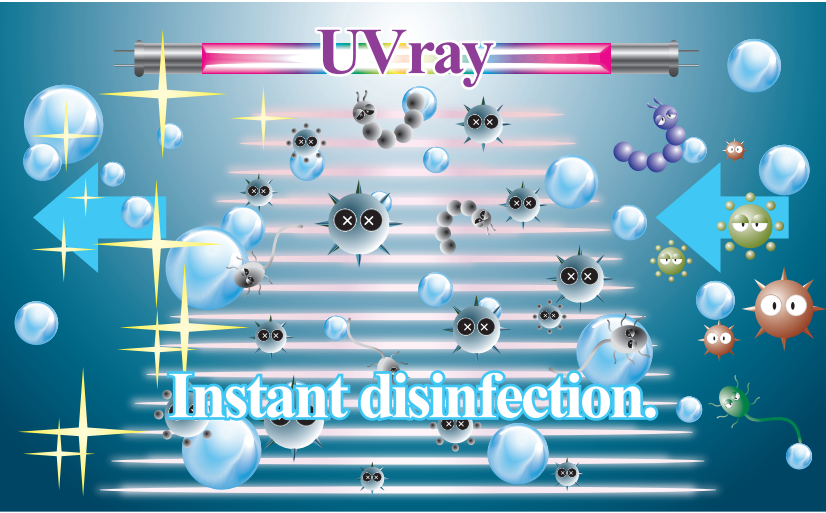
Simple device constitution offers easy handling that prevents secondary contamination and requires no secondary treatment; therefore, it is space saving.

Speedy

It can disinfect quicker than other methods.

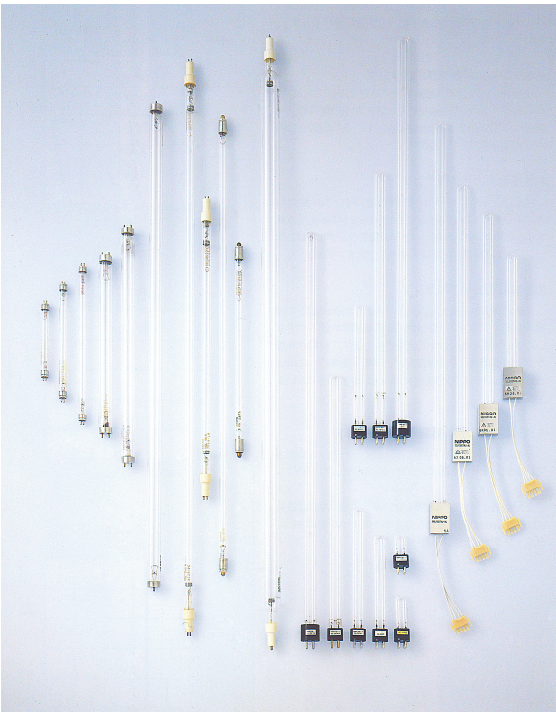
All-around

UV is effective against every seed of fungus. It is not subject to temperature variation, therefore, can be used in various fields.



UV
TECOnoLogy

Option
Quartz tube lamp and UV lamp



Custom for your needs

Using properly temperature zone

Sterilizing output that is deposited from lamp may change depend on ambient temperature. We've prepared a various type of lamp in order to fit with a various customer's needs and ambient temperature.

Duration of lamp

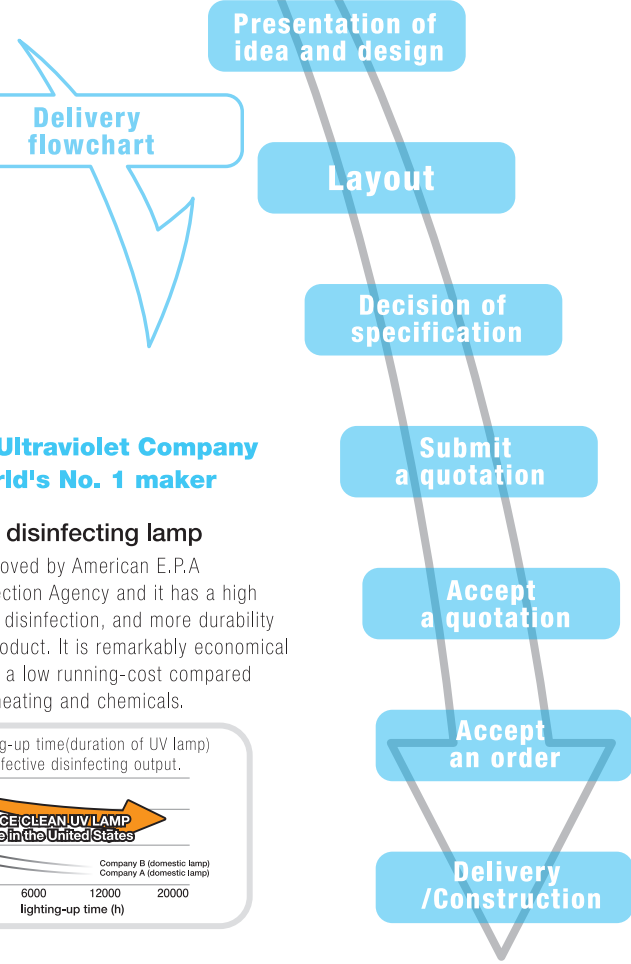
UV output tends to gradually weaken according to used hours; therefore, it needs to be changed under a specific time.

stabilizer

Stabilizer is necessary to light a lamp we've prepared dedicated stabilizer for each lamp, so that it can offer high output and long durability.

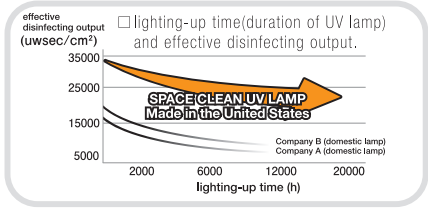
Comfort lineup

Our prior consulting offers you a best-chosen item from various lineups considering carefully for purpose, environment, and ability. We'll propose also various system including ozone and filters.



Produced by Ultraviolet Company
known as world's No. 1 maker

quartz tube UV disinfecting lamp
this UV ramp is approved by American E.P.A (Environmental Protection Agency and it has a high power of output and disinfection, and more durability than conventional product. It is remarkably economical product and offering a low running-cost compared with the method of heating and chemicals.



Our delivery record is number one in the field. We have more than two thousand clients from a broad range of area, from national and public hospitals and defense agencies, to food factories.

Our variety of products is number one in the field. Our variety of UV-related products, from household use to institutional use includes more than 30 items.

The number of patented products we have is number one in the filed. We possess more than 40 categories of patented and new industrial design products.

UV
TECOnoLogy
SPACE CLEAN
UV disinfectant processing system