



WATER QUALITY REQUIREMENT

- Maximum operating pressure 0.8MPa(116psi)
- Ambient water temperature 2-40°C(36-104°F)
- Iron<0.3ppm(0.3mg/L)
- Hardness<7gpg(120mg/L)
- Turbidity<1NTU
- UV transmittance>75%
- UV dose $\geq 30\text{mJ}/\text{cm}^2$

FEATURES

- Compact size
- Low power consumption
- Frequently turn on/off does not affect the life of the lamp.
- With an average life span of more than 20,000 hours
- UV chamber with great welding process which enables to pass 1.04MPa 100,000 times water hammer test

WORKING PRINCIPLE

The cold cathode lamp is a low-pressure glow gas discharge lamp. The glow discharge uses positive ions to bombard a high-purity metal cathode to generate secondary electrons to sustain the discharge. The cathode current is mainly contributed by the positive ions, and the current is relatively small, hence the name "cold cathode".

Model	Flow rate		Reactor dimension	In/outlet port	Package size cm	UV Lamp code	Lamp power	Quartz tube code	Ballast code
	m ³ /hr	GPM							
SCC-004A	0.07	0.3	160 X 30mm	1/4"quick-fitting	45 X 29.5X 29 /12sets	UVU2-204	4w	QT2-115	ZD24P9-10-6
SCC-004B	0.07	0.3	125 X 38mm	1/4"quick-fitting	45 X 29.5X 29 /12sets	UVU2-204	4w	QT2-115	ZD24P9-10-6
SCC-006	0.1	0.5	170 X 38mm	1/4"quick-fitting	45 X 29.5X 29 /12sets	UVU2-206	6w	QT2-157	ZD24P9-10-6

* Chamber material: 304 SS (316L is optional)