

# FOS Series UV-C Fish Pond Disinfection System By Emaux



With over 35 years of solid experience and expertise together with our devoted staffs, Emaux has evolved from a Swimming Pool and Spa Equipment manufacturer to a company that is focused in Water Technology. A company that provides solutions to clients in water related issues

**Your solution in water technology**



**EMAUX<sup>®</sup>**  
Water Technology

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**NEW**

## UV-C Fish Pond Disinfection System

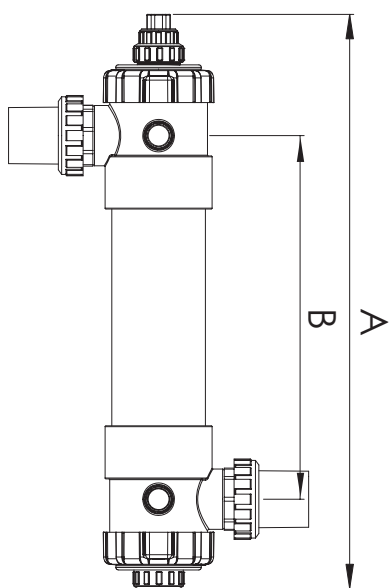
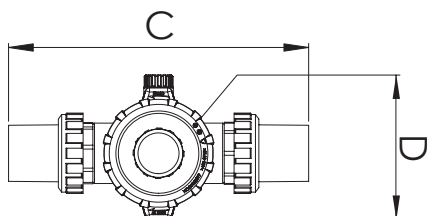
Emaux FOS series UV-C disinfection system is an effective product to kill bacteria and other microbes that pass through from the tube as a result to maintain bacteria-free and purified water in your fish pond.



FOS-UV-14T



FOS-UV-5T



### FEATURES

- ✓ High quality UV-C lamp that achieve 98% Sterilization rate
- ✓ Durable UV-C lamp has Long Life span, more than 10,000 hours
- ✓ High quality Quartz tube provides more than 99% Transmittance rate
- ✓ Adjustable brackets for simpler and flexible installation
- ✓ Four models 15W, 25W 30W and 55W are suitable fish pond sized up to 14m<sup>3</sup>

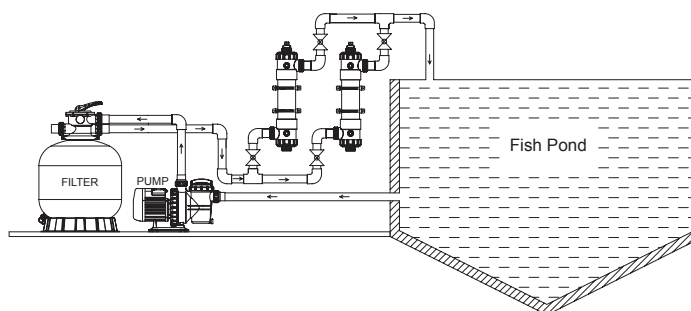
### SPECIFICATION

Product No	Model No	Flow rate (m <sup>3</sup> /h)	Fish Pond (m <sup>3</sup> )	Input Power(W)	Connection
88046317	FOS-UV-5T	14.4	5	15	1.5"/2"
88046318	FOS-UV-7T	14.4	7	25	1.5"/2"
88046319	FOS-UV-8T	14.4	8	30	1.5"/2"
88046320	FOS-UV-14T	14.4	14	55	1.5"/2"

### PRODUCT DIMENSION

Model No	Product Dimension (mm)			
	A	B	C	D
FOS-UV-5T	694	431	180	166
FOS-UV-7T	694	431	180	166
FOS-UV-8T	1144	881	180	166
FOS-UV-14T	1144	881	180	166

### INSTALLATION



Available from:





 **Emaux**  
*water technology*

FULL RANGE POOL EQUIPMENTS  
HIGH QUALITY PRODUCTS  
SERVICE & SUPPORT  
VALUE FOR MONEY



## NANO TECH UV-C DISINFECTION SYSTEM

### ► Advantages of Installations

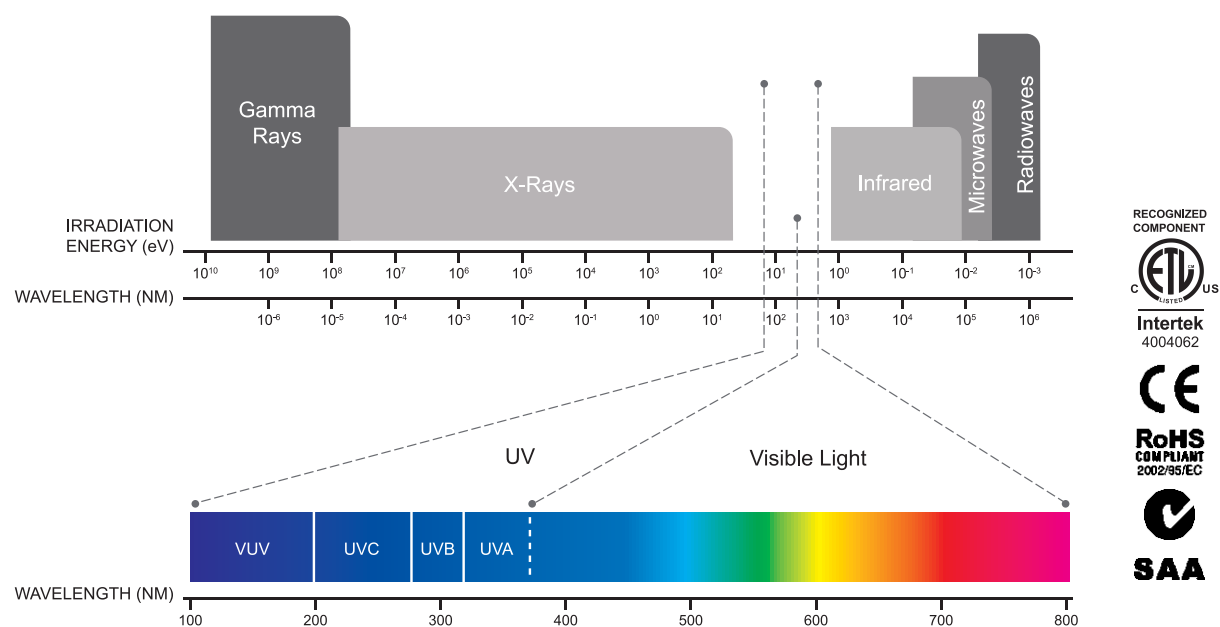
- 1** Crystal clear disinfected water.
- 2** Protects your pool against pathogenic organism and algae:
  - No risk of allergies.
  - The disinfected water is free of unpleasant smells and does not irritate the eyes, thanks to the drastic reduction in the amount of chloramines.
- 3** Environmental friendly:
  - Reduces the chlorine consumption up to 85%.
- 4** Enhanced efficiency and easy installation:
  - Water renewal is reduced due to fewer by-products formed.
  - 316L stainless steel housing, with mirror-polished interior that increases the UV radiation reflection, there by increasing the efficiency by up to 35%.
  - Optional timer to control the running operation hours.
  - User friendly.

About UV-C

UV-C light at a particular wavelength 253.7nm is a very powerful germicide. It deactivates the DNA of bacteria, viruses and other pathogens and thus destroys their ability to multiply and cause disease.

Ultraviolet technology is a non-chemical approach to disinfection. In this method of disinfection, nothing is added which makes this process simple, inexpensive and requires very low maintenance. UV-C light is become increasingly favoured by the pool industry as its ability to break down and remove chloramines, which will cause eye, skin and nose irritation, and breathing difficulties.

The Nano Tech series of ultraviolet units are applied in the water treatment sector (residual and drinking water) as well as in swimming pools and ponds installations. The UV lamp provides a UV dose of 30mJ/cm2, which is sufficient for disinfection of the water and protection against 99.9% chlorine-resistant microorganisms.



Nano Tech UV-C Standard

These UV systems combine all the benefits listed above in a very compact design. Another advantage is that the lamps are single ended and can be easily replaced.

Main Applications

- Residential swimming pools.
- Fish ponds.
- Drinking water residential treatments.

Product Information

Code 230V 50/60Hz	Code 120V 50/60Hz	Model	Max Flow (m <sup>3</sup> /h)	Pool Volume (m <sup>3</sup> )	Input Power	Max. Pressure	Connection	UV Lamp lifetime (hr.)
88049015	88049115	NT-UV16	7	15	16W	3 bar	1.5"/2" 50/63mm	9,000
88049016	88049116	NT-UV40	20	40	40W			
88049006	88049106	NT-UV75	25	75	75W			



► Nano Tech UV-C Timer

Emaux Nano-Tech UV-C Timer includes an integrated TIMER which accurately monitors the operating hours of the UV-C lamp. You will be reminded when the lamp must be replaced.

● Advantages of the Nano-Tech UV-C Timer

- User-friendly control pad with time clock and time meter display.
- Integrated adjustable time meter for the UV-C lamp.
- Digital indication when the lamp needs replacing.

● Main Applications

- Residential swimming pools.
- Fish ponds.
- Drinking water residential treatments.

● Product Information

Code 230V 50/60Hz	Code 120V 50/60Hz	Model	Max Flow (m³/h)	Pool Volume (m³)	Input Power	Max. Pressure	Connection	UV Lamp lifetime (hr.)
88049006	88049126	NT-UV40-T	20	40	40W	3 bar	1.5"/2"	9,000
88049026	88049127	NT-UV75-T	25	75	75W		50/63mm	

Notes "T" : Timer



► Nano Tech UV-C With Amalgam Lamps And Flow Switch

The amalgam lamps set between the low pressure and medium pressure UV applications, by combining high efficiencies with relative high power densities operating in a broad temperature range. The amalgam version includes a flow switch which will cut-off the lamp power to protect the system from over-heating when the water flow is lower than required.

By applying a special coating technology, we are able to guarantee a maintenance of 85% after 12,000 hours operating in a broad temperature range.

Optional Timer version is included.

● Main Applications

- Municipal drinking water treatment systems.
- Municipal waste water treatment systems.
- Process water treatment units.
- Swimming pool treatment systems.

● Product Information

Code 230V 50/60Hz	Code 120V 50/60Hz	Model	Max Flow (m³/h)	Pool Volume (m³)	Input Power	Max. Pressure	Connection	UV Lamp lifetime (hr.)
88049029	88049129	NT-UV130F	30	130	130W	3 bar	1.5"/2"	12000
88049030	88049130	NT-UV130-TF	30	130	130W		50/63mm	

Notes "F" : Flowswitch  
"T" : Timer



► Nano Tech UV-C Ozone

Emaux Nano-Tech UV-C Ozone combines the ozone and UV-C technology which ensure fresh and healthy pool water with the minimum use of chlorine.

● Advantages of the Nano-Tech UV-C Ozone

- Built-in electronic pre-selector to ensure a smooth power supply
- Up to 35% more UV-C yield as a result of reflection
- Reduces the chlorine consumption up to 95%.
- Ozone UV-C lamp last for 10,000 hours.
- Integrated adjustable time meter for the UV-C lamp.
- Digital indication when the lamp needs replacing.

● Product Information

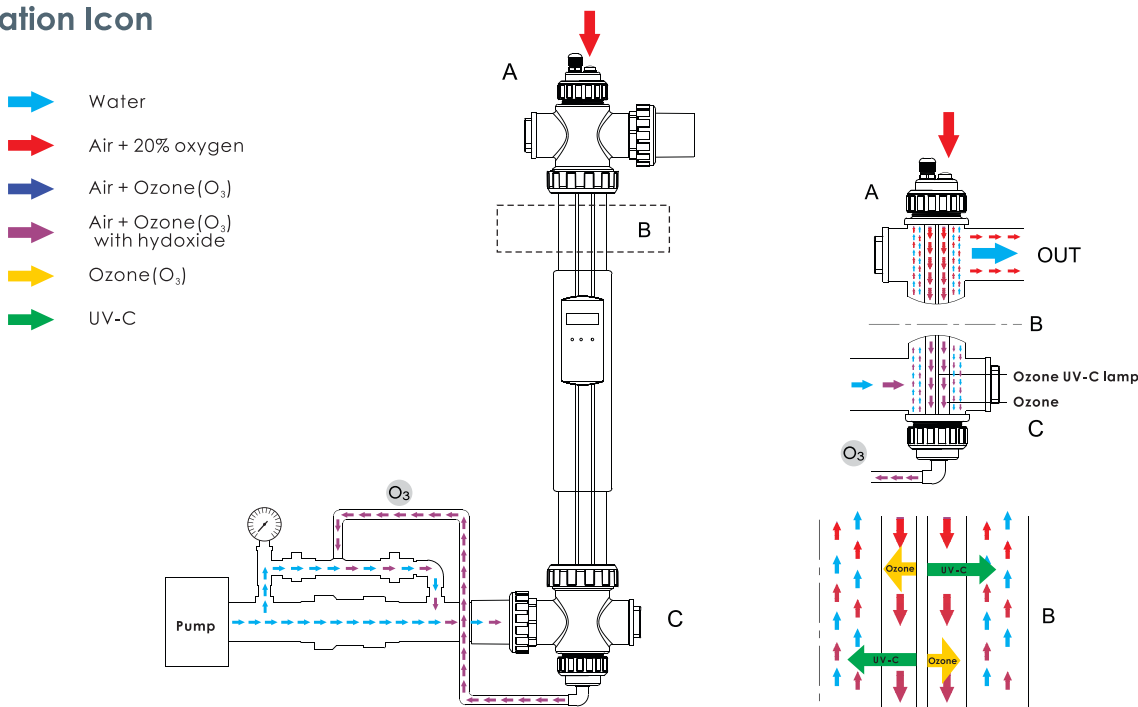
Code 230V 50/60Hz	Model	Max Flow (m³/h)	Pool Volume (m³)	Input Power	Max. Pressure	Connection	UV Lamp lifetime (hr.)
88049032	NT-UV87-TO	25	90	87W	3 bar	1.5"/2" 50/63mm	10000

Notes "O" : Ozone  
"T" : Timer

► UV-C Ozone Operation

The water is pumped into the unit through the reactor. Air is sucked through the venturi system into the unit via the air injector and flows through the quartz glass and the ozone UV-C lamp. The air enters the lamp and loaded with ozone particles, then pass the ball valve and mixed with the water in the reactor.

● Application Icon



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Emaux is a recognized global manufacturer that meets and surpasses the expectations of customers with best-in-class products and services. With quality at the heart of everything we do, we offer specialized products to swimming pools, spas, aquatic centers, waterparks, aquaculture, public aquariums, water features and water treatment projects.