

# Bayern®

## UV Disinfection

### Germ-Free Without Chemical

UV light has been known as an effective disinfection method to destroy organisms, such as algae, pathogen bacteria, virus, fungus, parasite, etc in the water by irradiating and then destroying their cells or DNA. Therefore, these microorganisms are no longer able to take up any nutrients from their environments and are then unable to multiply.



**Bayern®** UV Disinfection, a germ-free without chemical, is a combination of UV-C and VUV Light which also has the capability of decreasing the TOC (Total Organic Carbon) of pond water so that it is more effective for fish pond than that of other units in the market.



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These UV Disinfection Cartridges produce UV-C and VUV radiation which destroys the cell or DNA of bacteria, viruses, and microorganisms.

# UV Disinfection for Fish Pond and Algae Control

- General Specification:

<i>Bayern</i> <sup>®</sup> Model	Pond Volume with Plants	Pond Volume without Plants	Power Supply
▪ UVD10	up to 20m <sup>3</sup>	up to 10m <sup>3</sup>	30Watts
▪ UVD15	20 to 30m <sup>3</sup>	10 to 15m <sup>3</sup>	40Watts
▪ UVD20	30 to 40m <sup>3</sup>	15 to 20m <sup>3</sup>	50Watts

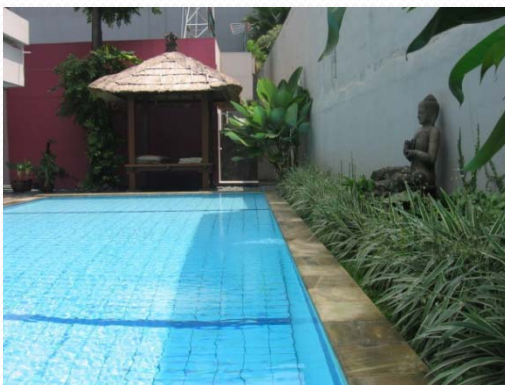
- Input Voltage : 220V/50Hz +/-10%
- Power Supply Protection : IP20
- Operating Humidity : 30% to 85%
- Water Temp : 0 ~ 40 Degrees Celcius
- UV Lamp with RoHS Compliant.



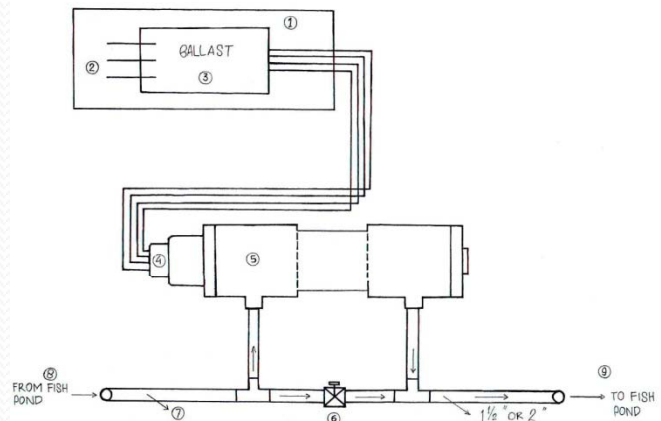
Ballast and UV Cartridge



UV Lamp with Quartz Glass



*Bayern*<sup>®</sup> UV Disinfection can also be used for swimming pool and spa



Note : 1= Electric Panel, 2 = Power Supply 220V/50Hz, 3= Electronic Ballast, 4= UV Lamp with TOC Removal, 5=UV Lamp Cartridge, 6= Isolation Valve, 7= MainLine Pipe