

► UV Sterilizer



Control Box



Manual



Automatic



UV Sterilizer

The Spectrum series of medium pressure ultraviolet units is designed to be an easy to install system giving a cost effective solution for commercial pool disinfection and chloramine reduction.

Application

Commercial swimming pools and spas | Water Features | Lakes and ponds

Main Characteristics

Easy to install with in-line vessel design | Higher UV efficiency | Lower capital cost | Lower power consumption

Main Features

Substantial reduction in chloramines | Medium pressure UV lamp for maximum oxidation | Touch screen microprocessor control with data logging | Connects to building management systems | Automatic "smart-drive" wiper system as standard | Simple lamp replacement | CE approved | 316 L Stainless steel reactor vessel

UV Technology Spectrum

Medium pressure UV systems are very effective against highly infectious cryptosporidium Parvum and giardia lamblia species which can exist in swimming pool water. These are virtually unaffected by the levels of chlorine used to sanitize swimming pools. The use of chlorine in swimming pools results in the formation of chloramines as a direct result of its interaction with pollutants and it is these that result in eye and skin irritation combined with unpleasant odours. Reduction of these by utilizing medium pressure UV results in a vastly improved water quality and atmosphere environment.

How it works?

The medium pressure UV lamps are housed within a stainless steel reactor vessel connected to a wall mounted electrical control plane which supplies power to the lamp and controls all the operating functions. The unit can be set to operate at 50% power overnight to save electricity and can be connected to a building management system to allow monitoring of the system. To ensure maximum performance, the reactor is fitted with a fully automatic thimble cleaning system which is designed to be simple and reliable.



► Self Cleanig Medium Pressure UV



Product Features

- System fault alarm
- Automatic water dimming
- Light tube cumulative working time display.
- System automatic protection
- Automatic water cut off protection
- Light intensity parameter display
- Lamp life alarm.

Product Specification

Code	Power kw	No of Lamps	Voltage v	Max Flow m ³ /h	Reactor Connection	Reactor Dimension L/W/H	Control Box Dimension L/W/H	Working Pressure MPA
UV-500	0.5	1	220	30	DN80	680*520*450	500*600*200	0.8-10
UV-1000	1	1	380	50	DN80	680*520*450	500*600*200	0.8-10
UV-2000	2	1	380	90	DN80	680*520*450	500*600*200	0.8-10
UV-3000	3	1	380	200	DN100	680*520*450	500*600*200	0.8-10
UV-4000	4	1	380	270	DN150	680*520*450	600*750*200	0.8-10
UV-5000	5	1	380	320	DN200	680*520*450	600*750*200	0.8-10
UV-6000	6	1	380	480	DN250	680*520*450	600*750*200	0.8-10



Water Treatment



► Manual Medium Pressure UV



Product Specification

Code	Power w	No of Lamps	Voltage v	Max Flow m ³ /h	Reactor Connection	Reactor Dimension L/W/H	Control Box Dimension L/W/H	Working Pressure MPA
UVS-80	80	1	220	6	DN25	900*100*300	400*500*200	0.8-1.0
UVS-120	120	1	220	18	DN40	1250*100*300	400*500*200	0.8-1.0
UVS-160	160	2	220	25	DN40	900*110*320	400*500*200	0.8-1.0
UVS-240	240	3	220	30	DN50	900*133*350	400*500*200	0.8-1.0
UVS-360	360	3	380	40	DN65	1250*133*350	400*500*200	0.8-1.0
UVS-480	480	4	380	50	DN80	1250*133*350	400*500*200	0.8-1.0
UVS-600	600	5	380	60	DN80	1250*159*365	400*500*200	0.8-1.0
UVS-720	720	6	380	75	DN100	1250*159*400	500*600*200	0.8-1.0
UVS-960	960	8	380	85	DN100	1250*219*400	500*600*200	0.8-1.0
UVS-1080	1080	9	380	100	DN150	1250*219*400	600*750*200	0.8-1.0
UVS-1200	1200	10	380	120	DN150	1250*273*560	600*750*200	0.8-1.0
UVS-1920	1920	16	380	180	DN200	1700*325*600	600*750*200	0.8-1.0
UVS-2560	2560	8	380	230	DN200	1700*273*560	600*750*200	0.8-1.0
UVS-3520	3520	11	380	360	DN250	1700*273*560	600*750*200	0.8-1.0
UVS-4800	4800	15	380	480	DN250	1700*325*600	600*750*200	0.8-1.0
UVS-6400	6400	20	380	600	DN300	1700*400*700	600*750*200	0.8-1.0
UVS-7040	7040	22	380	660	DN300	1700*500*850	600*750*200	0.8-1.0

