

UV Disinfection Ultraviolet Solutions



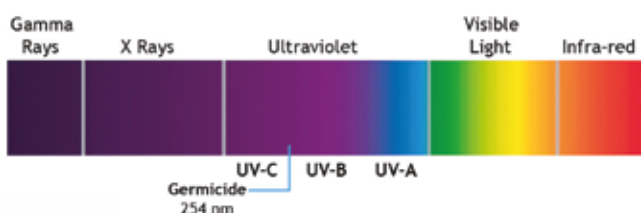
ATEC UV-40

For a cleaner, healthier pool environment

- Neutralise the micro-organisms that are not affected by chlorine and salt
- No unpleasant chlorine smell
- No more red eyes, dry skin or damaged hair
- Easier pool maintenance: simple and reliable
- Prolongs pool life - will not affect equipment and is compatible with all types of materials (pool liner, filters...)
- Environmentally friendly

The UV Concept

The sun emits invisible light called the ultraviolet light. Through leading edge technology, this natural phenomenon is reproduced inside the sanitizers of the ATECPOOL UV product range using powerful UV-C ray lamps. At 254 nanometers, the optimum wavelength for sterilizing micro-organisms (viruses, bacteria, algae, yeast, mold, etc.), UV-C rays penetrate and disrupt their DNA, permanently deactivating germ cell metabolism so they cannot reproduce.



MP Series Reactors

UV ranges have been certified NSF 50 and Cryptosporidium evaluated. Testing measures for certification are required standard in order to deliver an optimal efficiency level of microorganisms' reduction such as bacteria, viruses, Crypto, Giardia, etc. (which are not eliminated by chlorine and ozone at usual level).

Advantages of the MP Range

- The MP range delivers 60 mJ at the end of the lamps' life in order to guarantee optimum dechloramination.
- Treatment of high ow rates.
- Reactors made from micro-bitted and passivated 316L stainless steel, high resistance to the corrosion.
- Hydraulic «in line» inlet/outlet connections with nearly nonexistent pressure loss.
- High power medium pressure and multi wavelength lamps for reducing the number of lamps installed.
- High frequency electronic ballast.
- UV sensor with PLC for management of efficiency parameters (in option: remote management via a 4-20mA output) providing a continuous measurement of the UV-C radiance intensity and a control of all operation and maintenance parameters.
- Temperature sensor within the electrical box and the reactor (in option), flow sensor.
- Lamp life: 9,000 to 12,000 hours.
- Power regulation: the medium pressure is the only technology which acts on the 3 chloramines (mono-, di- and trichloramines) and which avoids risks of THM's increases.
- MP TS Range: Touch Screen.

MPTS Series

TS for touch screen
Manual or automatic wiper available

MPL Series

No wiper option

MP SERIES REACTORS (Medium Pressure lamps)

Code	Max Flow Rate*	Performance in millijoules per cm recommended flow rates **	² at actual	UV Lamp: Number Power consumption	Connection DN	Length of reactor
Feature	(m ³ /h)	(mJ/cm ²)			(DN)	(mm)
MPL 140	140	60		1 x 1.8 kW	DN 160	600
MPL 220	220	60		1 x 3 kW	DN 200	600
MPL 300	300	60		1 x 3 kW	DN 250	600
MPL 500	500	60		1 x 5 kW	DN 350	800
MP 100 TS	80	60		1 x 1 kW	DN 125	1175
MP 125 TS	140	60		1 x 3 kW	DN 150	1152
MP 140 TS	300	60		1 x 3 kW	DN 200	1244
MP 240 TS	450	60		2 x 3 kW	DN 250	1020
MP 340 TS	675	60		3 x 3 kW	DN 300	725
MP 440 TS	900	60		4 x 3 kW	DN 300	824

* Contact us for other flow rates

** The performance of these devices have been calculated at the end of the lamp life and with a transmission of 98%