



Spectra Control Panel

ETS UV Water Treatment Systems

The ETS UV Systems are "medium pressure" as research has shown this type of UV to be most effective in destroying chloramines and disinfecting. Medium pressure UV Systems consume and transfer to the water somewhere between 10 and 20 times more energy than other forms of UV and are more effective at breaking apart the chemical bonds of chloramines. These UV systems have CSA, UL and NSF 50 approvals. Cryptosporidium and Giardia are common chlorine resistant pathogens quickly destroyed by high doses of UV making this a good secondary treatment as it aids rapid disinfection. There also seems to be some coagulation making filtration more effective.

UV treatment normally takes place after filtration, but before heating and chemical treatment in a chamber plumbed into the pool return line and designed to take full pool flow, so all water is treated with each pass.

The benefits of UV as secondary water treatment are the improvement in water quality resulting from continuous destruction of chloramines, and the corresponding improvement in air quality. There is also a fast kill of chlorine resistant pathogens, and some improvement in filter efficiency.

UV Systems come as packages. The actual UV chamber, which gets plumbed into a bypass pool return line, (so it can be isolated for service), the electrical control panel, and the in line strainer, (to capture any glass should the quartz tube surrounding a light bulb break).



Model ECF



Model ECP

Note: A quartz tube separates the lamp from the water. Glass is not used because UV will not pass thru glass.

Note: The Seal kit contains; Quartz sleeve seals for 4 seal changes, end cap seals, UV monitor seals, wiper blades, wiper shaft seals, wiper drive belt, and main flange gaskets.

Item #	Pipe Size	Model#	Lamp	Power Req.	Flow	Price
12 50 05	2.5"	ECP-110-4	1.0kw x 1	208/220V 1 ph	114	\$POR
12 50 06	3"	ECP-113-5	1.3kw x 1	220V 1 ph	176	\$POR
12 50 07	2.5"	ECP-110-4SP	1.0kw x 1	208/220V 1ph	114	\$POR
12 50 08	3"	ECP-113-5SP	1.3kw x 1	220V 1 ph	176	\$POR

Note: ECP-???-?SP are units upgraded with the Spectra Control Panel =

Actual UV Dose Display

12 50 09	4"	ECF-210-4	1.0kw x 2	208/220V 1ph	300	\$POR
12 50 10	6"	ECF-215-6	1.0kw x 2	220V 1ph	580	\$POR
12 50 11	6"	ECF-215-6*	1.0kw x 2	480V 3ph	580	\$POR
12 50 12	6"	ECF-220-6*	2.0kw x 2	480V 3ph	800	\$POR
12 50 13	8"	ECF-220-8*	2.0kw x 2	480V 3ph	930	\$POR
12 50 14	8"	ECF-225-8*	2.5kw x 2	480V 3ph	1370	\$POR
12 50 15	10"	ECF-225-10*	2.5kw x 2	480V 3ph	1230	\$POR
12 50 16	10"	ECF-230-10*	3.0kw x 2	480V 3ph	2300	\$POR
12 50 17	10"	ECF-425-10**	2.5kw x 4	480V 3ph	2525	\$POR
12 50 18	12"	ECF-230-12*	3.0kw x 2	480V 3ph	1680	\$POR
12 50 19	12"	ECF-233-12*	3.3kw x 2	480V 3ph	2300	\$POR
12 50 20	12"	ECF-430-12**	3.0kw x 4	480V 3ph	3350	\$POR
12 50 21	14"	ECF-233-14*	3.3kw x 2	480V 3ph	2150	\$POR
12 50 22	14"	ECF-433-14**	3.3kw x 4	480V 3ph	3590	\$POR

Note: 1* Add on \$965.65 for 208V, 240V, or 575V 3PH power. Must be specified with order.

Note: 2** Add on \$1,327.75 for 208V, 240V, or 575V 3PH power. Must be specified with order.

Note: 3 Standard cable length from UV chamber to control panel is 15' Other lengths available, please specify with order. Note maximum length is 75'.

For Larger Sizes and Flows Please Enquire. Prices are FOB Vancouver.

ETS Replacement Lamps, Sleeves, & Seal Kits

Model #	Lamp	Price	Sleeve	Price	Seal Kit	Price
ECP-110-4	1501095	\$598.85	2019995	\$74.95	ECF-SK1	\$255.00
ECP-113-5	1501200	\$631.30	2020100	\$86.75	ECF-SK1	
ECP-110-4SP	1501095		2019995		ECF-SK1	
ECP-113-5SP	1501200		2020100		ECF-SK1	
ECF-210-4	1501095		2019995		ECF-SK2	\$295.00
ECF-215-6 220V	1501222	\$825.00	2020115	\$164.50	ECF-SK2	
ECF-215-6 480V	1501220	\$825.00	2020115		ECF-SK2	
ECF-220-6	1501300	\$885.00	2020200	\$195.00	ECF-SK2	
ECF-220-8	1501300		2020200		ECF-SK2	
ECF-225-8	1501400	\$935.00	2020290	\$233.50	ECF-SK2	
ECF-225-10	1501400		2020290		ECF-SK2	
ECF-230-10	1501415	\$1035.00	2020355	\$262.50	ECF-SK2	
ECF-425-10	1501400		2020290		ECF-SK4	\$425.00
ECF-230-12	1501415		2020355		ECF-SK2	
ECF-233-12	1501430	\$1125.00	2020550	\$296.50	ECF-SK2	
ECF-430-12	1501415		2020355		ECF-SK4	
ECF-233-14	1501430		2020550		ECF-SK2	
ECF-433-14	1501430		2020550		ECF-SK4	
SP-13-4	1501205	\$790.00	2100240	\$715.00	SP-SK4	\$226.00
SP-25-4	1501405	\$915.00	2100270	\$855.00	SP-SK4	
SP-25-4S	1501405		2100270		SP-SK4	
SP-25-6	1501405		2100270		SP-SK6	\$233.00
SP-25-8	1501405		2100290	\$869.00	SP-SK8	\$257.00
SP-50-8	1501902	\$1125.00	2100295	\$1106.75	SP-SK8	
SP-50-10	1501902		2100295		SP-SK10	\$299.00
Wiper Blade for SP Units, 49 MM Dia				\$67.65		
Wiper Blade for EC Units, 35 MM Dia				\$67.65		