

DISINFECTION 09/10

SILVER, OXYGENATION, AND COPPER IONIZATION



Key Features

- Chlorine-free, salt-free, and ozone-free water sanitization.
- Advanced oxygen protection and copper ionization technology.
- Proprietary electrolysis process generating powerful oxidizing agents and copper ions for effective water treatment.
- Significantly reduces chemical consumption and operating costs.
- Improves water quality and user comfort by minimizing chemical exposure and disinfection by-products.
- Suitable for swimming pools, spas, Jacuzzis, borehole water, rainwater, ponds, fountains, and wellpoint applications.
- Easy maintenance with routine monitoring of pH and residual copper levels.
- Copper ionization provides long-lasting secondary sanitization.
- Environmentally friendly and low-maintenance water treatment solution.
- Smartphone application available for installation guidance, maintenance support, troubleshooting, and one-touch service contact.



Technical Features

- Electrodes require cleaning in acid solution every 6 months.
- Durable UPVC fittings and components.
- Maximum operating pressure: 16 bar.
- IP65-rated control enclosure.
- Power status indicator.
- Power supply: 240V, 50/60Hz.
- Manufacturer's warranty: 1 year.
- Pure copper ionization electrodes.
- Long-life titanium oxygen electrode.
- Maintains up to 0.5 ppm residual copper concentration.
- Copper ionization electrode is the only consumable component.
- Typical electrode service life: 12-24 months depending on water conditions and operating hours.



Models

COPPER IONIZER MODELS

CODE	POOLS CAPACITY M3	CONNECTION	POWER	FLOW RATE (M3/HR)	CURRENT (A)	UV LAMP (NOS) X (W)	UV DOSAGE UW/CM2	MAX. PRESSURE Bar	WEIGHT kg	VOLUME m ³
MK-75	75	63	0.6	40	2.5			16	7	0.05
MK-75UV		50/63	0.72		3	1 X 55	30000			
MK-150	150	90	0.6	80	2.5			16	10	0.06
MK-150UV		63/90	0.72		3	2 X 55	60000			
MK-250	250	90	1.56	160	6.5			16	35	0.16
MK-250UV			2.16		9	4 X 55	60000			
MK-500	500	90	3.12	320	13			16	70	0.16
MK-500UV			4.08		17	8 X 55	80000			
MK-750	750	90	3.6	480	15			16	105	0.16
MK-750UV			4.08		17	8 X 55	80000			
MK-1000	1000	90	6.24	640	26			16	140	0.16
MK-1000UV			8.16		34	16 X 55	100000			

COPPER SILVER IONIZER MODELS

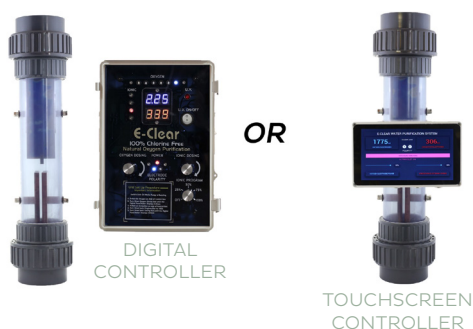
CODE	POOLS CAPACITY M3	CONNECTION	POWER (KW)	FLOW RATE (M3/HR)	CURRENT (A)	O2 DOSAGE MG/HR	UV LAMP (NOS) X (W)	UV DOSAGE UW/CM2	WEIGHT kg	VOLUME m³
MK-CFSI-75	75	63	0.6	40	2.5	50	1 X 55	30000	10	0.069
MK-CFSI-75UV		50/63	0.72	20	3				14	0.101
MK-CFSI-150	100	90	0.6	80	2.5	100	2 X 55	60000	12	0.075
MK-CFSI-150UV		63/90	0.72	80	3				19	0.159
MK-CFSI-250	250	90	1.56	60	6.5	300	4 X 55	60000	12	0.075
MK-CFSI-250UV			2.16	60	9				19	0.159
MK-CFSI-500	500	90	3.12	120	13	600	8 X 55	80000	12	0.075
MK-CFSI-500UV			4.08	120	17				19	0.159
MK-CFSI-750	750	90	3.6	180	15	900	8 X 55	80000	12	0.075
MK-CFSI-750UV			4.08	180	17				19	0.159
MK-CFSI-1000	1000	90	6.24	240	26	900	16 X 55	100000	12	0.075
MK-CFSI-1000UV			8.16	240	34				19	0.159

COPPER IONIZER MODELS

MK7/CF1-75

FOR POOLS UP TO 75,000 LITRES

63mm electrodes chamber with 1 set of oxygen stack electrodes and 1 set of copper ionization electrodes



MK7/CF1-150

FOR POOLS UP TO 150,000 LITRES

90mm electrodes chamber with 1 set of oxygen stack electrodes and 1 set of copper ionization electrodes



MK7/CF1-250

FOR POOLS UP TO 250,000 LITRES

3 x 90mm oxygen stack electrode chambers
1 x 90mm double copper ionization electrode chamber



MK7/CF1-500

FOR POOLS UP TO 500,000 LITRES

6 x 90mm oxygen stack electrodes chambers
2 x 90mm double copper ionization electrode chambers



MK7/CF1-750 FOR POOLS UP TO 750,000 LITRES

9 x 90mm oxygen stack electrode chambers
3 x 90mm double copper ionization electrode chambers

OPTIONAL TOUCHSCREEN
CONTROLLER



MK7/CF1-1000 FOR 5 POOLS UP TO 1 MILLION LITRES

12 x 90mm oxygen stack electrodes chambers
4 x 90mm double copper ionization electrodes chambers

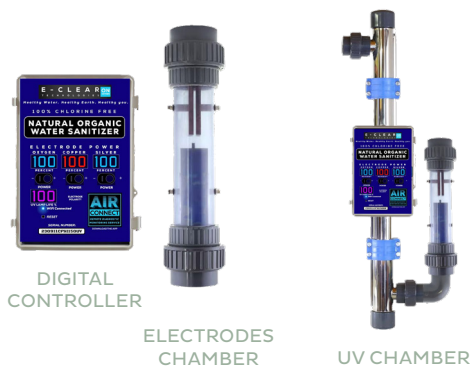
DIGITAL
CONTROLLER



COPPER SILVER IONIZER MODELS

MK-CFSI-75 / 75UV FOR POOLS UP TO 75,000L

63mm electrodes chamber with 2 titanium oxygen electrodes and 2 pure copper electrodes



MK-CFSI-150 / 150UV FOR POOLS UP TO 150,000L

90mm electrodes chamber with 2 titanium oxygen electrodes and 2 pure copper electrodes



MK-CFSI-250 / 250UV FOR POOLS UP TO 250,000 LITRES

3 x 90mm oxygen stack electrode chambers
2 x 90mm double copper ionization electrode chamber



MK-CFSI-500 FOR POOLS UP TO 500,000 LITRES

4 x Sets 90mm Copper Ionization Electrodes
6 x Sets 90mm Oxygen Titanium Electrodes



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MK-CFSI-500UV FOR POOLS UP TO 500,000 LITRES

- 2 X 4 channel electronic control boxes
- 6 X sets oxygen stack electrode
- 4 x sets copper ionization electrodes



MK-CFSI-750 FOR POOLS UP TO 750,000 LITRES

- 9 x Sets of Oxygen Electrodes
- 6 x Sets of Copper Ionization Electrodes



MK-CFSI-750UV FOR POOLS UP TO 750,000 LITRES

- 8 x 55w UVC GERMICIDAL ULTRAVIOLET LAMPS
- 3 x 4 CHANNEL ELECTRONIC CONTROL BOXES
- 9 x SETS OXYGEN STACK ELECTRODE
- 6 x SETS COPPER IONIZATION ELECTRODES



MK-CFSI-1000 FOR POOLS UP TO 1 MILLION LITRES

- 4 x 4 Channel Electronic Control Boxes
- 12 x Sets of Oxygen Electrodes
- 8 x Sets of Copper Ionization Electrodes



MK-CFSI-1000UV FOR POOLS UP TO 1 MILLION LITRES

- 12 x SETS OXYGEN STACK ELECTRODE
- 8 x SETS 90MM COPPER ELECTRODES
- 16 x UVC GERMICIDAL ULTRAVIOLET LAMPS
- 4 x 4 CHANNEL ELECTRONIC CONTROL BOXES





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