

MOW 40 - 80 System



aridomsanex

Decontaminating and Disinfecting Solutions

Technical Information

The Aridom Sanex modular electro-chlorination water treatment system provides a unique and safe solution giving greater flexibility on installation, overall reduced costs and energy consumption. The Mixed Oxidant Water System (MOW) uses only salt, water and electricity. The MOW system electrolyzes a brine solution in a high capacity electrolytical cell. The MOW system is designed using compact modular units in order to meet the required capacity.

The produced Mixed Oxidant Solution is deposited from one or more MOW system modules into a separate or common storage system. When a demand for disinfection is required the Mixed Oxidant Solution is drawn from its storage system and injected into the drinking water at the required dosage to match the flow rate. The Mixed Oxidant Solution kills all micro-organisms at a very fast rate and removes Biofilm deposited within the drinking water distribution system.

Aridom Sanex offers several ECA Units appropriate to the specific customer's demand and conditions.

Advantages

- ✓ Simple installation and commissioning
- ✓ Low operating costs
- ✓ Stable
- ✓ Effective
- ✓ Accurate
- ✓ Reliable
- ✓ Little maintenance
- ✓ NSF 61 approved
- ✓ Easy to operate via the clear HMI touch screen
- ✓ Remote monitoring/control via pc/laptop/tablet or mobile phone



Aridom Sanex Units and Specifications

Main Features			
Model		MOW-40	MOW-80
Mixed Oxidant Water (MOW) production	L/H	~40	~80
Free chlorine (HOCL + OCl)	mg/liter	4000 to 4500	4000 to 4500
Oxidation Reduction Potential (ORP)		>700	>700
EC – depending on Free Available Chlorine (FAC)	mS	<35	<35
pH		8.5-9.5	8.5-9.5
Technical specifications and requirements			
Model		MOW-40	MOW-80
Water supply	L/H	100	100
Water pressure	bar	2 - 2,5	2 - 2,5
Water hardness	CaCo3/ppm	<17	<17
Salt Consumption	gram/ liter	~25	~25
Electrical Current	V	230	230
	A	16	16
Power Consumption p/h	kW	1.5	3
Space ventilation	m3/H	>50	>50
Ambient temperature min / max	°C	+5 to +30	+5 to +30
Dimensions			
Model		MOW-40	MOW-80
Height	mm	1850	1850
Width	mm	850	850
Depth	mm	850	850
Weight	kg	100	150
Maintenance and warranty			
Operating hours cell	Average 11.000 hrs or 2 years, depending on intensity of use, water quality and local circumstances.		

