On-site production of solutions for cleaning, disinfecting & sterilizing

ECO H2O™
ECA GENERATORS

ZMA-1000

The ZONEMIST ZMA Series is the next stage of development in automated ECO-H2O machines to service clients needs for automation in the process of on-sight generation of activated solutions.
The ZMA has been designed for production of Neutral Anolyte only.
Some automation and easy operating procedures give the added benefits to rapid delivery of safe & fast acting disinfectant - Neutral Anolyte.
The strength of Neutral Anolyte in terms of active chlorine concentration can be adjusted by current setting.

KEY FEATURES

- Easy and safe to use
- Efficient: reduced sterilization contact time
- Self-cleaning
- Biodegradable fluids
- Some automation and easy operating procedures give the added benefits to rapid delivery of safe and fast acting disinfectant - Neutral Anolyte.
- The strength of Neutral Anolyte in terms of active chlorine concentration can be adjusted by current set- ting.
- The control system of ZMA units is simple and easy to operate.
  It can be altered to suit different applications and conditions.

Zonemist ECO-H2O Generator units are designed to generate, on-site, cleaning, disinfecting & sterilizing solutions out of 0.05% - 1.0% salt brine (NaCl or Kcl)

Safe, Effective & Non-toxic - Excellent Return on Investment

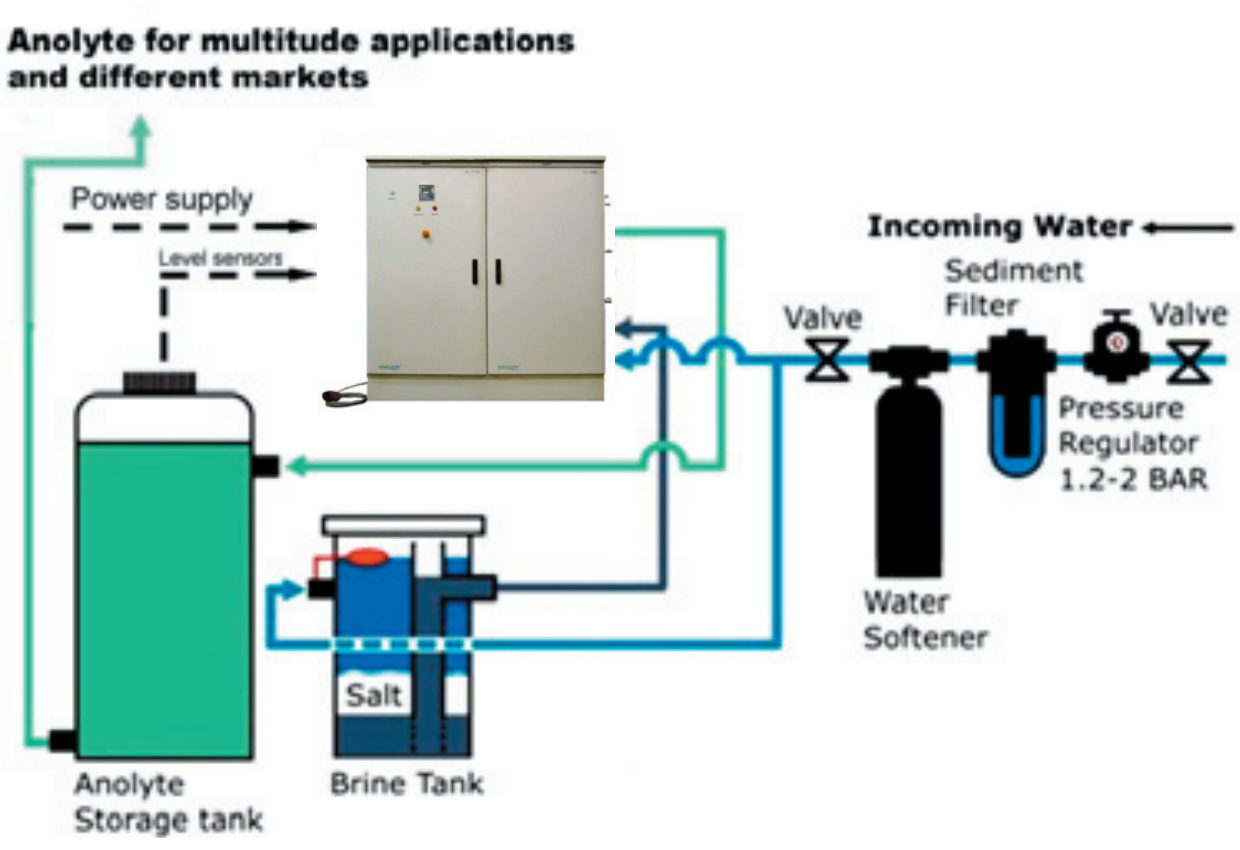
ZONEMIST™

info@zonemist.com

Output capacity **ZMA-1000**	1000 LPH of ANK-Neutral Anolyte ONLY with possibility for Catholyte isolation for Ph correction of ANK or Acidic Anolyte (50%-80%) and Catholyte (50%-20%) ONLY
FAC (Minimum)	500 ppm
Water supply	2-3 bar
Salt consumption per 1 liter of Anolyte	~5-7 g depending on the source water *ZMA-1000 generators with l ower salt consumption are available upon request
Power source	**380 - 415V 50 hZ/3 phase**
Power consumption	**12 KW/H (3 x 4 KW/H)**
Special note	**Specially designed units are available with ~1,75 - 2,0 g per 1 L of anolyte or 3,5 - 4,0 g per 1,0 g of FAC salt consumption and ~5,4 kW/H power consumption. Specially designed units with lower parameters of salt and energy consumption are available upon request.**
Flushing mode	Semi automated
Brine pump	+
Acid pump	+
Type of cell	R-1000
Piping & fittings	Genova piping system. NSF certified. Compatible with ASTM D1785, ASTM D2241 and ASTM D2846 standards for cold drinking and hot water & Kynar.
PLC control	Unitronics/Vision 130
Cabinet(s) size & material	1700X800x450 (Electrical) 1700x800x450 (Hydraulic) 1700x1600x450 (Combined) Polyester
Weight	~ 120 kg.

- A flow controller is installed in the Hydraulic part to shut the ECO H2O unit if there is interruption of water supply and to start the unit as soon as water flow resumes.
- A simple on/off switch with power indicator starts and stops the ZMA units manually.

- Level switches enable to start and stop ZMA units auto-matically.
- Capacity depends on the model and varies between 40 LPH and 4000 LPH



This layout would be used when the disinfectant fluid (Anolyte) and the cleaning fluid (Catholyte) are required as separate liquids. This configuration is often used in applications such as surface cleaning where the Catholyte is added to warm water to facilitate its degrease action. The generator is connected to a level sensor in the first buffer tank and it will start or stop depending on the levels set at installation. Pumps can be connected to the tanks to move the fluids either into a water system or to connect to high pressure sprayers or fogging equipment for surface cleaning. In addition in the waste water industry Catholyte and Anolyte are often required as separate fluids.

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