



Centrgo 5K80 Plus Product Information



Centrego ECA Systems

Producing high-grade disinfection solutions for in-situ use from the electrolysis of water and salt. The most environmentally responsible way to protect staff, customers, assets and the environment, reducing carbon emissions and saving costs. Kills all microorganisms including bacteria, viruses, spores, fungi with rapid contact times, high efficacy, and limited regrowth.

Applications: water treatment, waste water treatment, industrial process water and CIP for plant and equipment cleaning and disinfection.





Mixed oxidant solution production	70 - 100ls/hr
Free Chlorine (HOCL + NaOCL)	3000 - 5000mg/L (3000-5000ppm)
Oxidation Reduction Potential (ORP)	≥700 mv
EC - depending on free Available Chlorine (FAC)	mS <35
pH range	ph8.2-8.5

Water Supply	80ls per hour, fresh Water+brine or sea water
Water Pressure Supply	3 bar
Water Hardness	<17CaCo3/ppm
Salt Consumption	20 - 25 gms per litre
Electrical Current Supply	90 - 264vac
Power Consumption	4880W
Space Ventilation	>50M3/H
Ambient Temperature	min/max 5o °C to 30 °C

SYSTEM TECHNOLOGY
 Electrochemical Activation (ECA) non-membrane cell system generating mixed oxidant solution consisting of hypochlorous acid and sodium hypochlorite with slightly alkaline levels for in-situ biocidal and cleaning solution applications.

INPUTS
 Water (H₂O): Potable water, minimum requirement for filtered softened water, or reverse osmosis (RO) water. Maximum 70ppm TDS, conductivity 140uS/cm
 Salt (NaCl): Crystalline form, listed with European Chemicals Agency (ECHA) for the production of active chlorine by electrolysis.

DIMENSIONS			
5K80 + mounting frame	163cm Height	54.5cm Width	53.5cm Depth

WEIGHT	
5K80 Dry device	Approx 96kgs

SOLUTION CERTIFICATION	EN13727
EN14476	EN13624
EN16777	EN1656 (Cefas Aquaculture approved)
EN13697	EN1500
EN1650	EN17126
EN14348	EN1276
EN14675 (Cefas Aquaculture approved)	



SYSTEM SPECIFICATIONS & FUNCTIONALITY
Cells: 2 x 40l/hr non-membrane, encased plate electrodes
HMI 7 inch touch screen controls
User adjustable PPM output
Automated brine control to maintain selected PPM output
Inputs - water plus brine or sea water
Onscreen notification of regular cell flushing process
Optional automated acid wash process
Optional integrated water softener system
Lockable castor wheels
Marine grade stainless steel 316 framework
Remote monitoring systems controls via laptop or mobile phone
Expected operation life of cell five years
Temperature input and output recording
Volume output real-time and cumulative
Flow rate & Salinity monitoring and recording

SYSTEM CERTIFICATION
European Chemicals Agency (ECHA) listed
UK Health & Safety Executive (HSE) listed
US Environmental Protection Agency Approved
CE Certified



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