



Centrgo 5K200 Onsite ECA Generator

Product Information



Centrego ECA Systems

Producing high-grade disinfection and cleaning 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.





Centrego Ltd 5K200 - Technical Information

Mixed oxidant solution production	150 - 200ls/hr
Free Chlorine (HOCL + OCL)	4500 - 5000mg/L (4500-5000ppm)
Oxidation Reduction Potential (ORP)	≥700 mv
EC - depending on free Available Chlorine (FAC)	mS <35
pH range	ph8.5-9.5

Water Supply	200L per hour, fresh+brine or sea water
Water Pressure Supply	3 bar
Water Hardness	<17CaCo3/ppm
Salt Consumption	25 gram per litre
Electrical Current Supply	400v 32A
Power Consumption	8 amp per phase
Space Ventilation	>50M3/H
Ambient Temperature	min/max 5o °C to 30 °C

SYSTEM TECHNOLOGY

Electrochemical Activation (ECA) membrane cell system generating pH neutral anolyte hypochlorous acid (HOCl) and pH10.5 sodium hydroxide (NaOH) for in-situ biocide and cleaning solution generation.

INPUTS

Water (H₂O): potable water, minimum requirement for filtered softened water, or reverse osmosis 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			
5K200 housing	180cm Height	100cm Width	710cm Depth

WEIGHT	
5K200 device	220kgs

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



SYSTEM SPECIFICATIONS & FUNCTIONALITY

HMI 12 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
Built in automated acid wash process
Built in water softener system
Lockable castor wheels and lifting eyes
Marine grade stainless steel 316 casing and framework (optional)
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
Voltage/current & Alarms monitoring and recording

SYSTEM CERTIFICATION

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

