



## Centrego 5K40 Plus



### **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.





<b>Mixed oxidant solution production</b>	40ls/hr
<b>Free Chlorine (HOCL + NaOCl)</b>	4500 - 5000mg/L (4500-5000ppm)
<b>Oxidation Reduction Potential (ORP)</b>	≥700 mv
<b>EC - depending on Free Available Chlorine (FAC)</b>	mS <35
<b>pH range</b>	pH 8.0 to pH8.5

<b>Water Supply</b>	Min 50l per hour, fresh+brine or sea water
<b>Water Pressure Supply</b>	2-4 bar
<b>Water Hardness</b>	<17CaCo3/ppm
<b>Salt Consumption</b>	20 grams per litre
<b>Electrical Current Supply</b>	90 to 264vac 14A
<b>Power Consumption</b>	Single phase
<b>Space Ventilation</b>	>50M3/H
<b>Ambient Temperature</b>	min/max 5 °C to 40 °C

#### SYSTEM TECHNOLOGY

Electrochemical Activation (ECA) non-membrane cell system generating mixed oxidant solution of hypochlorous acid (HOCl) and sodium hypochlorite (NaOCl) for in-situ biocide and cleaning solution generation.

#### INPUTS

Water (H<sub>2</sub>O): 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			
Cabinet Only	1056mm H	852mm W	350mm D
Plus - Cabinet & Frame	1650mm H	850mm W	530mm D

WEIGHT	
SK40 Device	Approx 55kgs

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

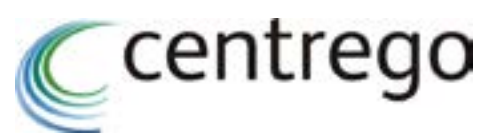


#### SYSTEM SPECIFICATIONS & FUNCTIONALITY

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
Manual acid wash process
Built in water softener system (Optional)
Lockable castor wheels (Optional)
Marine grade stainless steel 316 framework
Remote monitoring systems controls via laptop or mobile phone
Expected operation life of cell approx five years (Use dependant)
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



CE UK  
CA

