



iSEC® 6



- ◆ On-site generation of sodium hypochlorite 6g/h
- ◆ Complete packaged system with integrated storage tank & dosing pump option
- ◆ Compact wall mounted unit suitable for many low-demand chlorination uses
- ◆ Remote monitoring options via Modbus RTU, web & GSM



Using salt, water & electrical energy, the Hyprolyser iSEC®6 generates a consistent hypochlorite solution containing 0.3% chlorine; a compact and convenient disinfection solution for a wide variety of low-demand chlorination applications including secondary disinfection, storage tanks, private potable water supplies, water features/fountains and CIP uses. The iSEC®6 avoids the need for facility operators to handle and store hazardous chlorine products. By generating a fresh supply of chlorine, on-demand, the typical loss of chlorine content due to transport conditions and long storage periods is eliminated. Options are available for the addition of a chemical dosing pump and Modbus RTU communication.

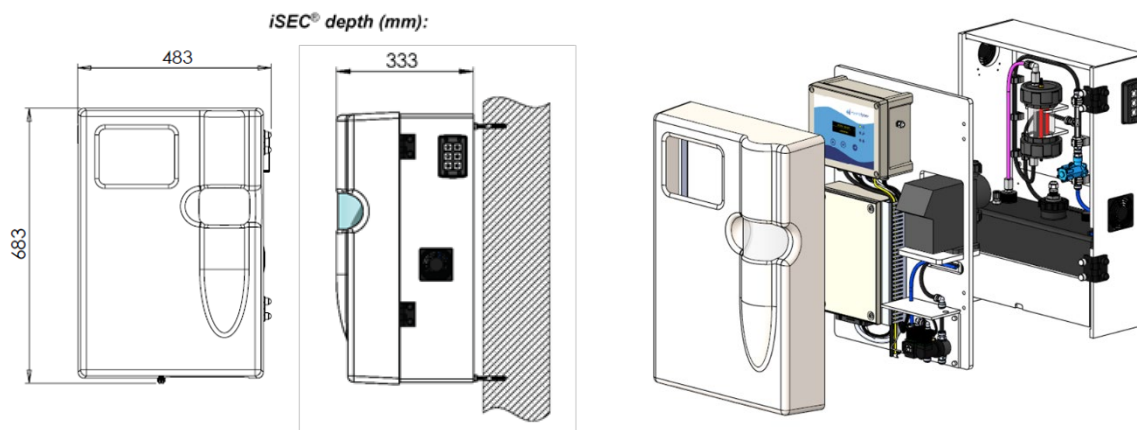
Standard Contents	Net Weight (kg)	Packaged Dimensions (mm)
Hyprolyser iSEC® 6	26	(L 780) (W 580) (H 430)
2.5m Water feed tube (Blue, MDPE, 8mmOD)		
2.5m Brine feed tube (Black, MDPE, 8mmOD)		
Saturator float valve (R1/2")		
Brine well assembly		
Softened water sample point fitting (15mmOD)		
Installation & Operation Manual		
Cable gland insert kit		
Wall mounting kit		
Wall mounting template		

iSEC 6	
Chlorine capacity (g/h)	6
Chlorine concentration (g/l)	3
Liquid product output (l/h)	2
Salt consumption kg/h	0.02
Protection class	IP54
Power supply	1Ø, 110-240Vac, 50/60Hz
Power rating	Max. 40VA, excluding auxiliary equipment
Working humidity (RH)	90% non-condensing
Ambient Temp. °C	5-40
Pollution degree	3

Connection	Description
Water feed	8mmOD push-fit tube
Brine feed	8mmOD push-fit tube
Product tank dosing suction outlet	G5/8" BSPm

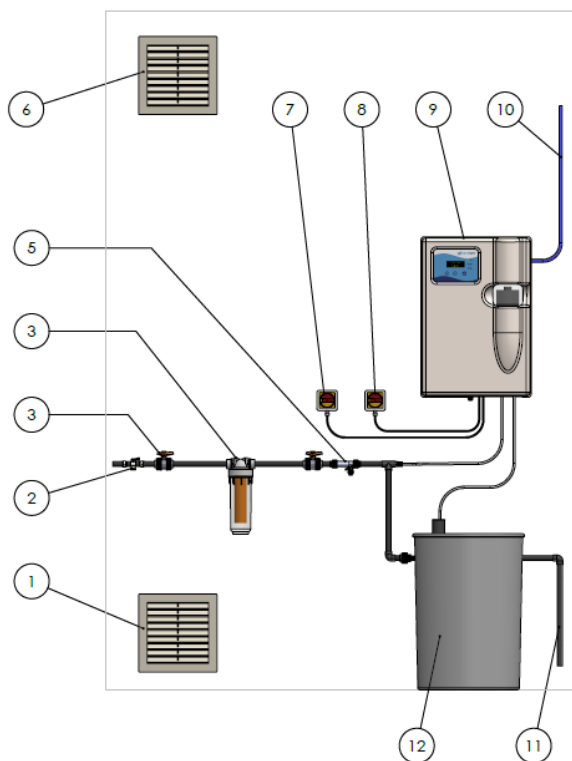
Product Data

Dimensions



Installation example

	Description
1	Natural ventilation
2	Back flow prevention
3	Softener isolation valve
4	Softener filter
5	Softened water sample point
6	Natural ventilation
7	iSEC power isolation
8	Dosing pump power isolation
9	iSEC system
10	Dosing line to process
11	Saturator overflow
12	Salt saturator



Salt & water supply specifications

Feed Water Specification	
Temperature (°C)	8-25
Pressure (MPa)	0.2-0.4
Turbidity (NTU)	<5
pH	6.5-10
Particle size (µm)	<100
Iron (µg/l)	<200
Manganese (µg/l)	<10
Fluoride (mg/l)	<2
Hardness (mg/l of CaCO ₃)	<20
Free chlorine (mg/l)	<1

Salt Specification (minimum requirements)	
Element/Compound	Upper Limit (mg/kg)
Iron (Fe)	10
Manganese (Mn)	0.5
Lead (Pb)	13
Calcium (Ca)	100
Magnesium (Mg)	100
Bromide (Br-)	100

