

Checklist for EASYCHLORGEN

Sodium Hypochlorite generating system

1. General item information	
1.1	Item ☐ New construction project ☐ Existing building
1.2	Type of building ☐ Swimming Pool ☐ Hospital ☐ Sports Facility ☐ Other:
	☐ Workshop ☐ Health Resort ☐ Hotel
	☐ Camping Complex ☐ Research Establishment ☐ Residential Building
1.3	Item's address
1.3.1	Item's Name
1.3.2	Street
1.3.3	Postcode / Town
1.3.4	Phone / Fax /
2. Contacts	
2.1	Company
2.2	Name
2.3	Street
2.4	Postcode / Town
2.5	1. Contact partner ☐ Mr. ☐ Mrs.
	2. Contact partner ☐ Mr. ☐ Mrs.
2.5.1	Phone / Fax /
2.5.3	E-Mail
2.5.4	Department
2.5.5	Position
2.7	Lutz-Jesco contact partner ☐ Mr. ☐ Mrs.
2.7.1	Phone / Fax /
2.7.3	Region
3. Notes	
4. Water	
4.1	Quality of water ☐ Drinking Water ☐ untreated water ☐ Other application:

5. Water Consumption

- 5.1 Daily consumption [m³/d]
- 5.2 Peak volume flow rate 1) [m³/h], time/ duration from to
2) [m³/h], time/ duration from to
3) [m³/h], time/ duration from to
- 5.3 Operating time from time, to time
- 5.4 Downtime 1) from time, to time
2) from time, to time
- 5.4.1 Other downtimes (e.g. holidays or out of season)
- 5.5 Operating on weekends ☐ yes ☐ no

6. Operating data

- 6.1
- 6.1.1 Water temperate range [°C] Ambient temperature range [°C]
- 6.1.2 Available water pressure [bar]
- 6.1.3 Piping material
- 6.2 Age of the unit (year of construction)
- 6.3 Water chiller unot is available? ☐ yes ☐ no

7. Water Treatment (available?)

- 7.1 Softening unit ☐ yes ☐ no
- 7.1.1 Unit type / Manufacturer /
- 7.2 Reverse osmosis unit ☐ yes ☐ no
- 7.2.1 Manufacturer
- 7.3 Filter
- 7.3.1 Iron ☐ yes ☐ no If yes: can back flush ☐ yes ☐ no
last filter change [month/year]: last back flush [month/year]:
- 7.3.2 Manganese ☐ yes ☐ no If yes: can back flush ☐ yes ☐ no
last filter change [month/year]: last back flush [month/year]:
- 7.3.3 Nitrate ☐ yes ☐ no If yes: can back flush ☐ yes ☐ no
last filter change [month/year]: last back flush [month/year]:
- 7.3.4 Other ☐ yes ☐ no If yes: for , can back flush ☐ yes ☐ no
last filter change [month/year]: last back flush [month/year]:
- 7.4 Dosing unit ☐ yes ☐ no
- 7.4.1 Unit type / Manufacturer /

7.4.2 What is dosed/metered?

8. Salt Specification

- 8.1 Salt analysis available? ☐ yes ☐ no
- 8.2 Type of available salt? ☐ Granular ☐ powder ☐ tablet

Note:

Please check with your supplier that the salt product supplied meets the minimum specifications stated in the operation manual.

9. Water Parameters / Water Analysis

	acc. to Drinking water Standards	Measured values	General recommendations for Easychlorgen
9.1	pH-value 6,5 - 9,5		6,5 - 7,5
9.2	Elec. conductivity [$\mu\text{S}/\text{cm}$] < 2500		
9.3	Iron (Fe^{2+}) [mg/l] < 0,2		< 10
9.4	Manganese (Mn^{2+}) [mg/l] < 0,05		< 10
9.5	Nitrite (NO_2^{2-}) [mg/l] < 0,5 *)		< 0,1
9.6	Sulphide (S^{2-}) [mg/l] no limit		< 0,1
9.7	Bromid [mg/l] no limit		$\geq 0,9$
9.8	Total hardness of the water [mmol/l] no limit		$\geq 0,9$
9.9			
9.10			
9.11	Water analysis is available and is attached ☐ yes ☐ no *) and [$\text{NO}_3^-/50 + \text{NO}_2^-$] < 1mg/l		

10. Water Disinfection

- 10.1 Microbiological analyses are available and are attached ☐ yes ☐ no
- 10.2 An analysis has been made to date ☐ yes ☐ no
- 10.3 A disinfectant is added by the water supplier agent yes no
- 10.3.1 Required Dosage rate of active Cl_2 [mg/l]

11. On-site Installation Requirements

- 11.1 Specify the location of the injection nozzle
- 11.1.1 Length of tube from injection nozzle to EASYCHLORGEN unit [m]

11.2 Existing threaded end (T-fitting) for the injection nozzle ☐ yes ☐ no

11.2.1 Thread size (default: R 1/2"), ACTUAL:

11.3 Piping material around the injection nozzle (default: PVC-C), ACTUAL:

11.4 Existing shut-off devices

11.4.1 in front of the injection nozzle ☐ yes ☐ no

11.4.2 after the injection nozzle ☐ yes ☐ no

11.5 Existing water meters (or flow-measuring with signal output) ☐ yes ☐ no

11.5.1 Type of signal (default: Impulse (Reed contact)), ACTUAL:

11.5.2 Signalfolge (default: Impulse/≤10 l), ACTUAL:

11.6 Water supply

11.6.1 Dosing pumps required? ☐ yes ☐ no

11.6.2 Sampling Station required? ☐ yes ☐ no

11.6.3 Telecommunication with the EASYCHLORGEN Control unit required? ☐ yes ☐ no

11.7 ☐ yes ☐ no

11.8 Sampling valve near the unit ☐ yes ☐ no

11.9 Distance up to the 1st tap connection [m]

12. On-site Safety Guidelines

The following requirements lt. BGV D5 German Accident Prevention & Insurance Directive apply to the installation area of the production and dosing unit

12.1 lockable area is available (default) ☐ yes ☐ no

12.2 number of doors

12.3 no constant presence of people (default) ☐ yes ☐ no

12.4 natural room ventilation available yes ☐ no ☐

12.5 surrounding temperature (default: 0 ...40 °C), ACTUAL: [°C]

12.6 aeration/ventilation of the surrounding area is available (default) ☐ yes ☐ no

12.7 water connection (extraction valve) is available ☐ yes ☐ no

12.8 floor drainage with an anti-syphon trap is available ☐ yes ☐ no

12.9 the installation area is separated in a fire-proof way from other areas ☐ yes ☐ no

13. Other

...

Date / Signature

/ _____

Installation Example for EASYCHLORGEN external tank operation

