ECO-FRIENDLY DISINFECTION

made simple and effective

GB Water Disinfection Kft. www.gbwater.eu

DRINKING WATER

completed water treatment plant installation – in operation for over 2 years

25.000
population

5000 m^3/day

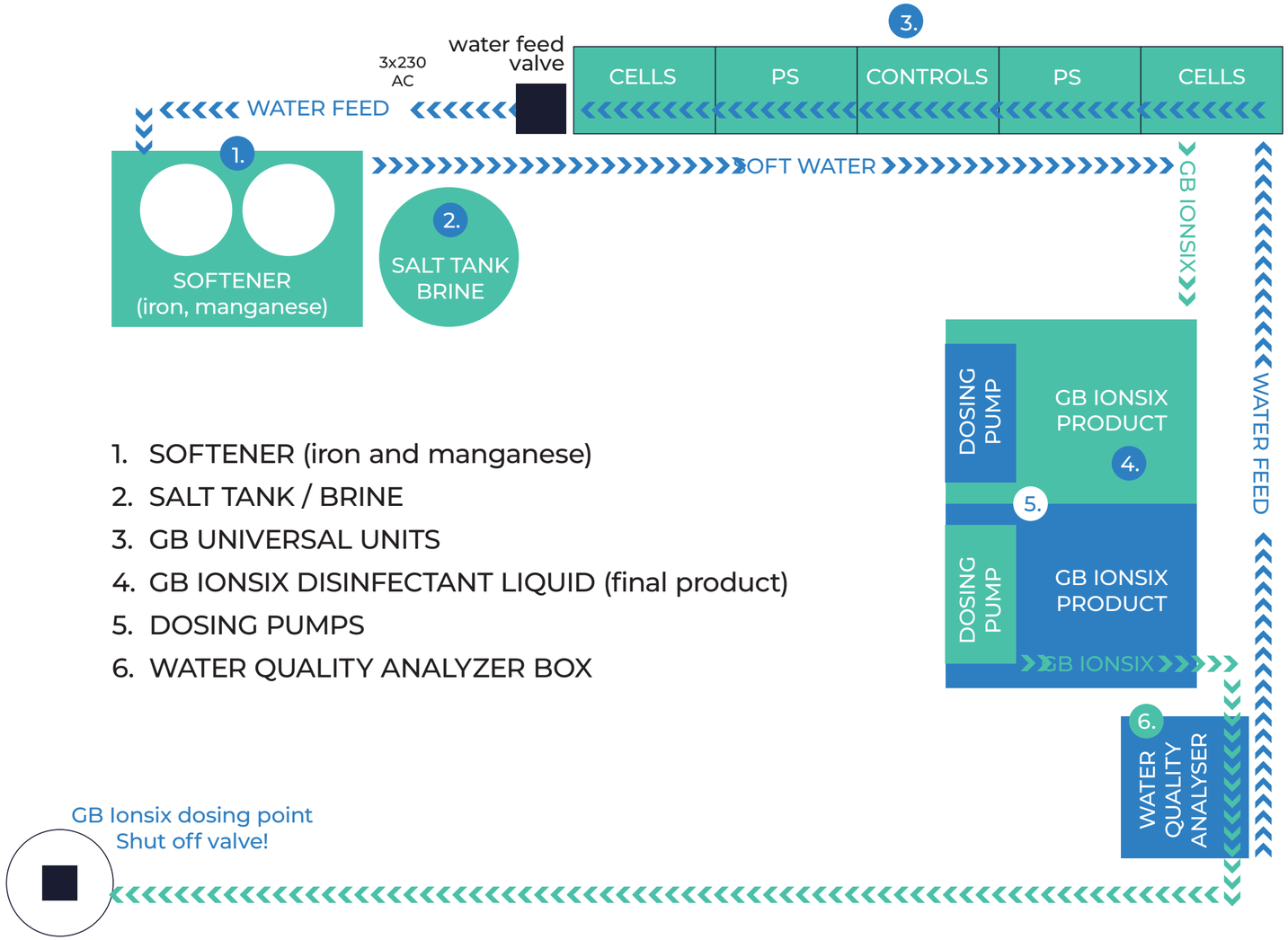
1. Softener (iron and manganese)
2. Salt tank / brine
3. GB Universal Units
4. GB Ionsix Disinfectant liquid (final product)
5. Dosing pumps
6. Water quality analyzer box

GB Water Disinfection Kft.

www.gbwater.eu

WATER TREATMENT PLANT INSTALLATION

GB UNIVERSAL



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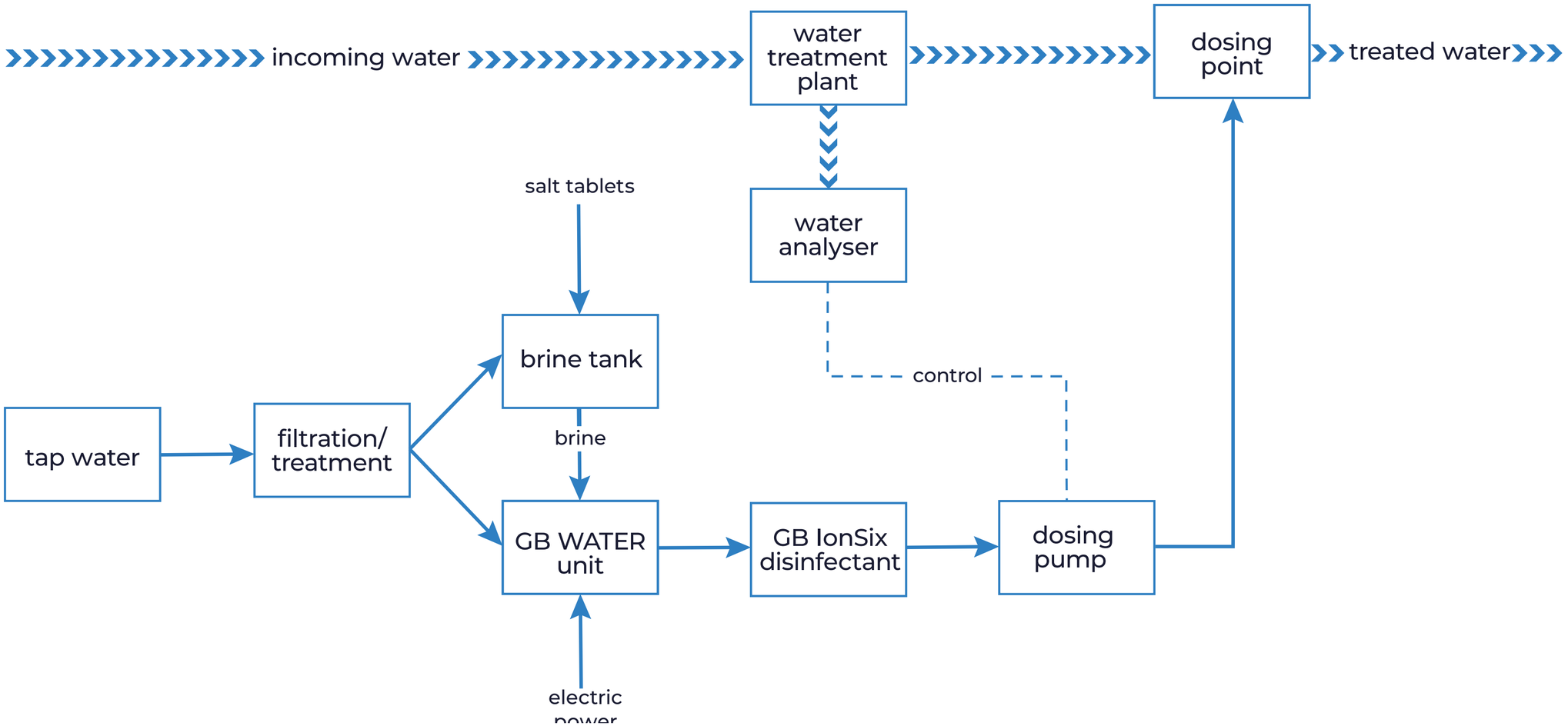
WATER TREATMENT PLANT

process diagram



GENERAL DISINFECTION PROCEDURES

	Filtration (RO)	UV	Chemical procedures			GB WATER
			Chlorine	Chlorine dioxide	Ozone	
Shelf life	none	none	long-term	very long-term	very short-term	**very long-term**
Disinfection effect	very strong	average	average	strong	strong	**very strong**
Side effects, health risks	none	none	critical (THM, HAA)	average	average	**not measurable**
Safety risks	none	very low	extreme	high	average	**very low BIOCIDE**
Resources required for operation	energy	energy	chlorine gas and bleach	hydrochloric acid, sodium chloride	oxygen and energy	**salt and energy**
Operating cost	high	high	average	high	high	**low**
Mechanism of action	filtration	light	single oxidation	single oxidation	single oxidation	**multiple oxidation**

REFERENCES

WATERWORKS

- public waterworks - Gyál
- „JURA” industrial park - Algyő

HOSPITALS

- Tűzoltó street children’s clinic
- SOTE external clinical block
- PTE KK Dental and Oral Surgery Clinic

AGRICULTURE

- unland Dairy - dairy cattle farm
- Hunland Veal Farm - calf farm