

Sizing form for KLARO MAX wastewater treatment plants (up to 5000 PE or 750 m³/day)



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a) Design parameters

① Population equivalent (PE)	_____		
② Maximum wastewater inflow	_____ m ³ /day	or	_____ l/pers./day
③ Infiltration water inflow	_____ % of the max. wastewater inflow		
④ BOD ₅ content	_____ mg/l	or	_____ kg/day
⑤ COD content	_____ mg/l	or	_____ kg/day
⑥ TKN content	_____ mg/l	or	_____ kg/day
⑦ P _{tot} content	_____ mg/l	or	_____ kg/day
⑧ Temperature exposure	Min. _____ °C		Max. _____ °C
⑨ Altitude above sea level	_____ m		
⑩ Air humidity	_____ %		

b) Required effluent values after treatment

BOD ₅ _____ mg/l	SS _____ mg/l	N _{tot} _____ mg/l	NO ₃ -N _____ mg/l
COD _____ mg/l	NH ₄ -N _____ mg/l	TKN _____ mg/l	P _{tot} _____ mg/l
Other _____	Tot.Colif. _____ CFU/100ml	→ <input type="checkbox"/> UV disinfection or <input type="checkbox"/> Chlorine disinfection	
<input type="checkbox"/> Reuse of treated wastewater (If it is planned to reuse the wastewater, we recommend sand filtration and chlorination as tertiary treatment)			

c) Space requirements

If the space for the wastewater treatment plant is restricted, please indicate below the available space for the wastewater treatment plant:

Additional remarks

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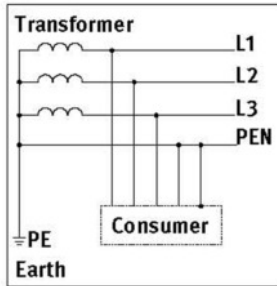


Power supply

Please indicate the characteristics of the power supply, in order to configure the system according to the existing electric grid.

In case of a mono or biphasic network please sketch it in the empty box.

If you do not know the type of the existing electric network, please ask an electrician.

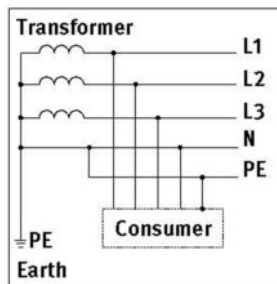


TN-C system

L1 – L2: _____ V
Same for L1 – L3 and L2 – L3

L1 – PEN: _____ V

Frequency: _____ Hz

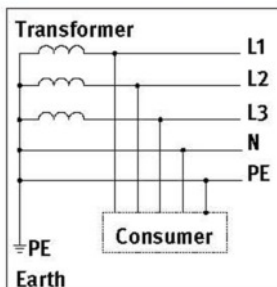


TN-C-S system

L1 – L2: _____ V
Same for L1 – L3 and L2 – L3

L1 – N: _____ V

Frequency: _____ Hz

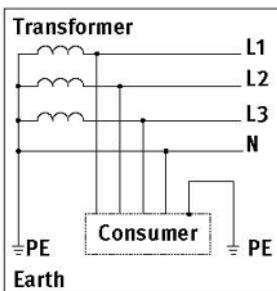


TN-S system

L1 – L2: _____ V
Same for L1 – L3 and L2 – L3

L1 – N: _____ V

Frequency: _____ Hz



TT system

L1 – L2: _____ V
Same for L1 – L3 and L2 – L3

L1 – N: _____ V

Frequency: _____ Hz

Draft

Other system

Voltage: _____ V
Same for L1 – L3 and L2 – L3

Voltage: _____ V

Frequency: _____ Hz

Date: _____

Signature: _____