

DRINKING WATER

SODIUM HYPOCHLORITE DOSING STATION CDS1 MkII (ON LOOP)

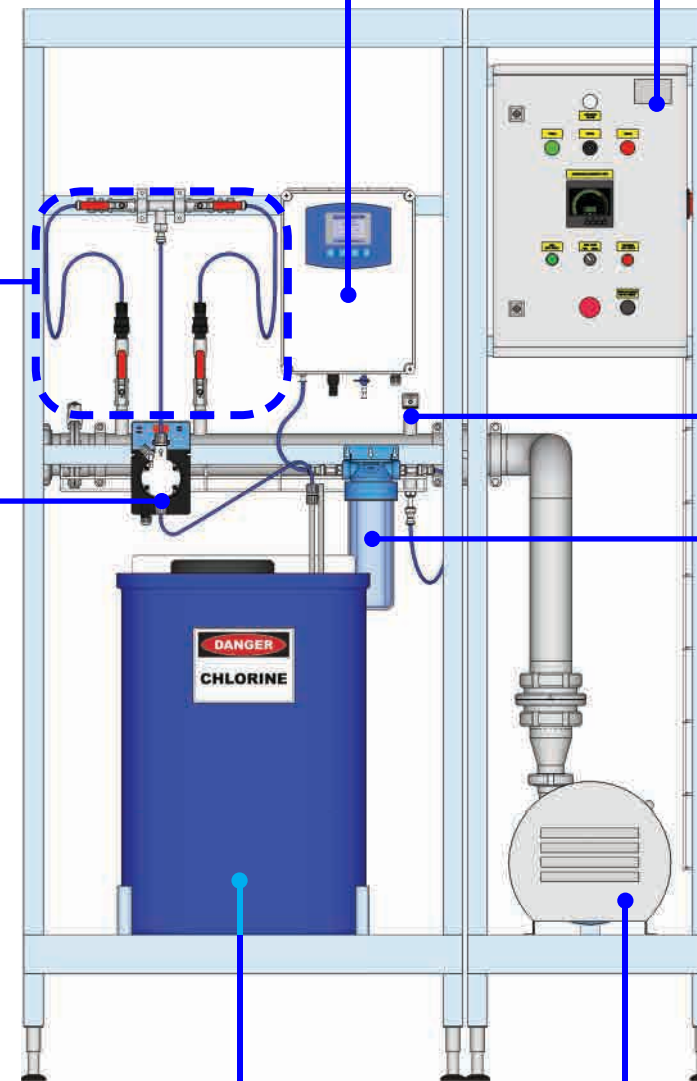
MAIN FEATURES

Injection module with 2 injectors. One injector can be stopped and cleaned while the other one continues to operate

Flow-type sensor of residual free chlorine

Control cabinet with PID controller (allows stepless control of free chlorine concentration)

Flow switch (no water flow means no hypochlorite injection)



Variable speed injection pump

100 liter tank for sodium hypochlorite (about 1 week of operation) and 130 liter tank for leak protection

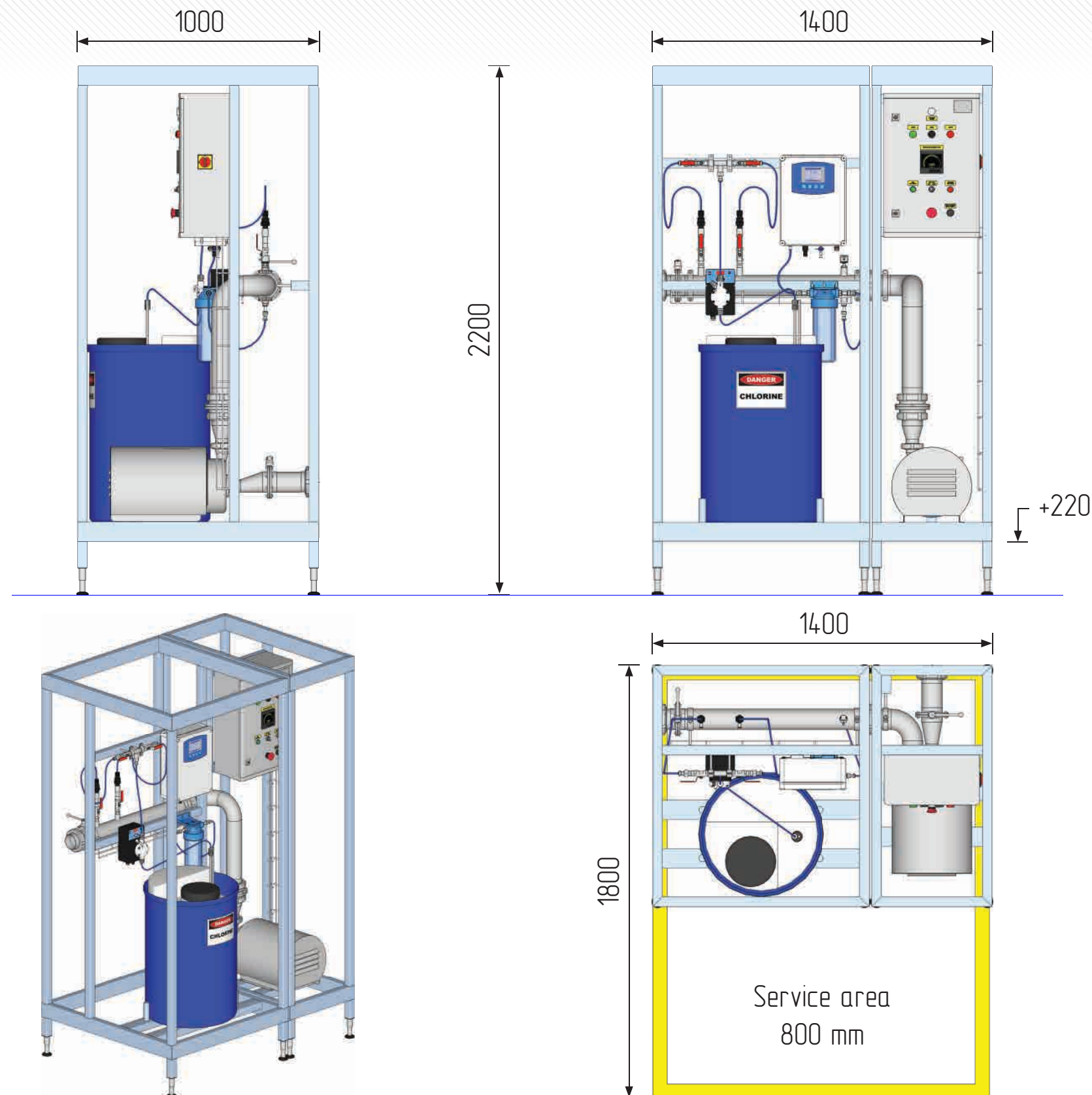
Cartridge filter (20 µm) to protect the measuring cell

Sanitary centrifugal circulation pump

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CHARACTERISTICS AND DIMENSIONS

**PERFORMANCE CHARACTERISTICS**

- Dosing pump maximum flow: 1 L/h
- Chemical storage tank volume: 100 l
- Free chlorine concentration measuring range: 0-2 mg/L
- Maximum inlet pressure: 6 bar (0.6 MPa)
- Circulation pump: nominal flow 25 m³/h, head 3 bar

CONNECTIONS

- Raw water: DN80 as per DIN11851
- Filtered water: DN80 as per DIN11851
- Free chlorine sensor drainage: 1/2" (DN15)
- Grounding: M8

POWER SUPPLY

- Installed power: 6 kW
- Voltage: 380-400 V, 50 Hz
- Degree of protection: IP54

MATERIALS

- Frame: AISI 304
- Pipelines: AISI 304L
- Seals: EPDM
- Circulation pump body: AISI 304
- Circulation pump impeller: AISI 316
- Tank: Polypropylene
- Control cabinet: PVC

OPERATING CONDITIONS

- Temperature: from +10°C to +40°C
- Relative humidity: ≤ 85% (condensate formation is not allowed)

STORAGE CONDITIONS

- Temperature: from +0°C to +50°C
- Relative humidity: ≤ 85% (condensate formation is not allowed)

CONTROLLER FUNCTIONS

- Keep the concentration of free chlorine in the 0,3-0,5 mg/L range
- Light and sound indication in case of concentration above 0,5 mg/L
- Emergency stop of the pump in case of concentration above 0,6 mg/L

PRICE

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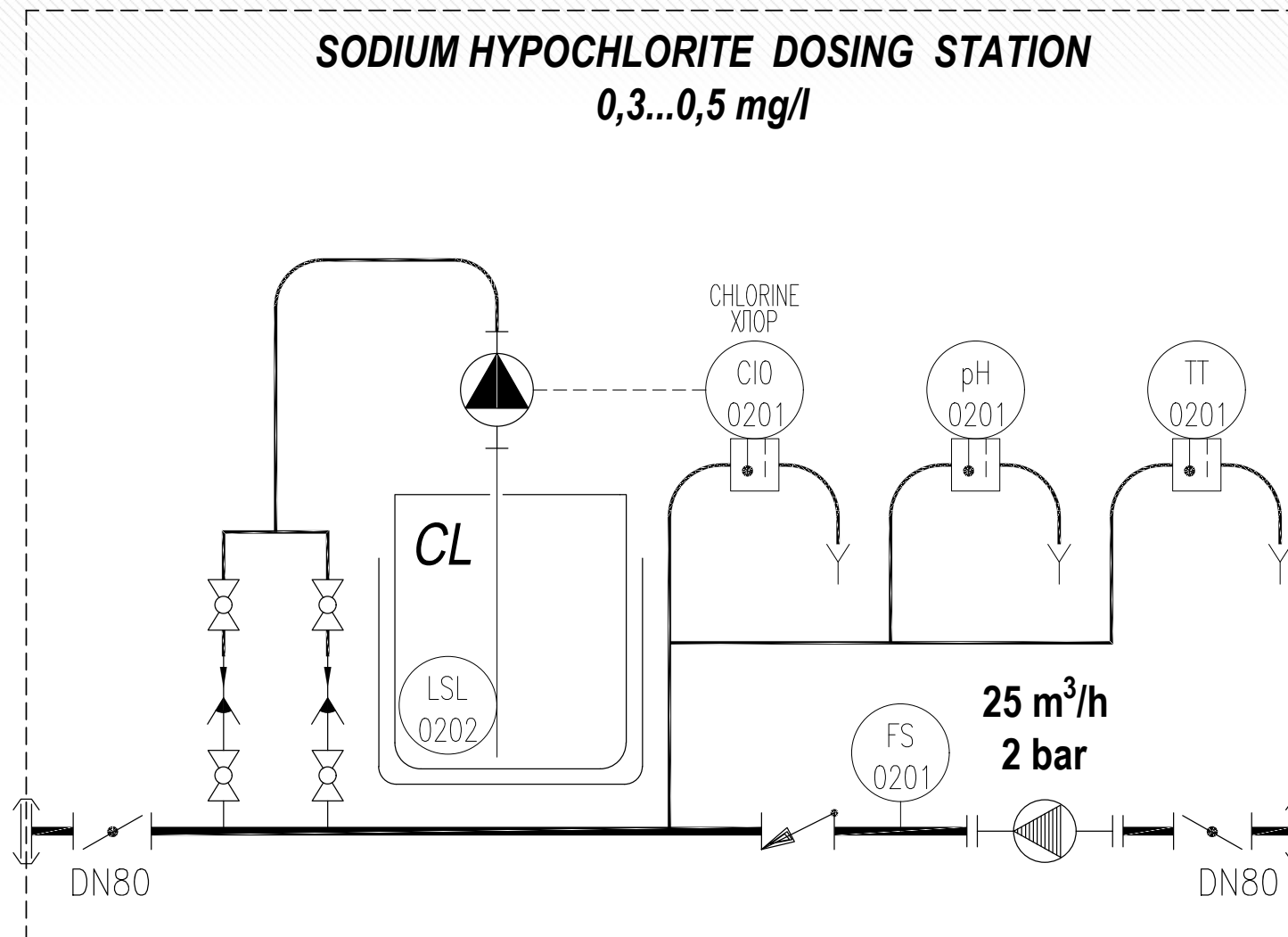
DELIVERY TIME

12 WEEKS







WARRANTY PERIOD




12 MONTHS AFTER COMMISSIONING
NO MORE THAN 18 MONTHS AFTER DELIVERY

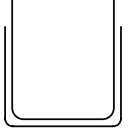

PIPING AND INSTRUMENTATION DIAGRAM



LEGEND

-  - check valve
-  - butterfly valve (manual)
-  - ball valve
-  - flange connection
-  - sanitary connection
-  - injector equip. with check valve

-  - low level switch
-  - temperature transmitter with indication
-  - flow switch

-  - chemicals storage double wall tank
-  - pump