PFALZTEC

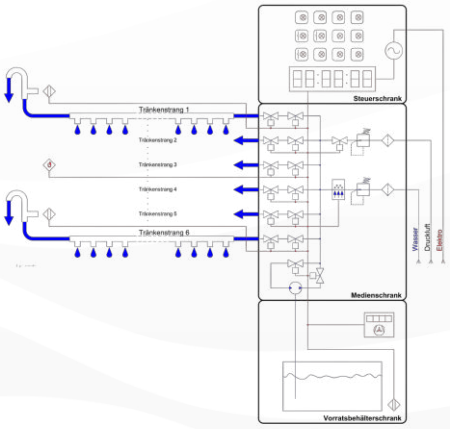
Technical data sheet

flushing

Automatic drinking trough

1. Technical data

1.1. *Entire system*



- Up to 6 independently controllable channels
- Status notification via email or text message possible
- Integration into control system possible
- Low-maintenance components for long, reliable and cost-effective operation
- Independent weekly timer channels
- Dosing of various aqueous agents possible (vaccines, nutritional supplements, etc.)

1.2. *Control and media cabinet*

- Sheet steel enclosure, IP65, powder-coated, RAL 7035
- 3 mm double-bit locks integrated, optionally removable
- Electrical protection class II
- Electrical connection: 3G1.50 mm²
- Operating voltage: 230 V, 50 Hz
- Operating current: approx. 2 A
- Inlet water filter
- UV disinfection
- Compressed air supply: 2 … 6 bar, oil-free
- Air volume 200 l/min at 3 bar
- Water supply: 2 … 4 bar
- Compressed air supply: GEKA DN19
- Water supply line: GEKA DN19
- Water outlets: Hose connection DN19
- Installation dimensions: H=1,900 mm x W=800 mm x D=300 mm
- Empty weight: approx. 90 kg

1.3. *Drinking line*

- up to 100 m in length
- Hose connection DN19
- Burst protection on the drinking trough connectors
- Compressed air stability up to 5 bar
- Drinking line termination with visual monitoring and level control

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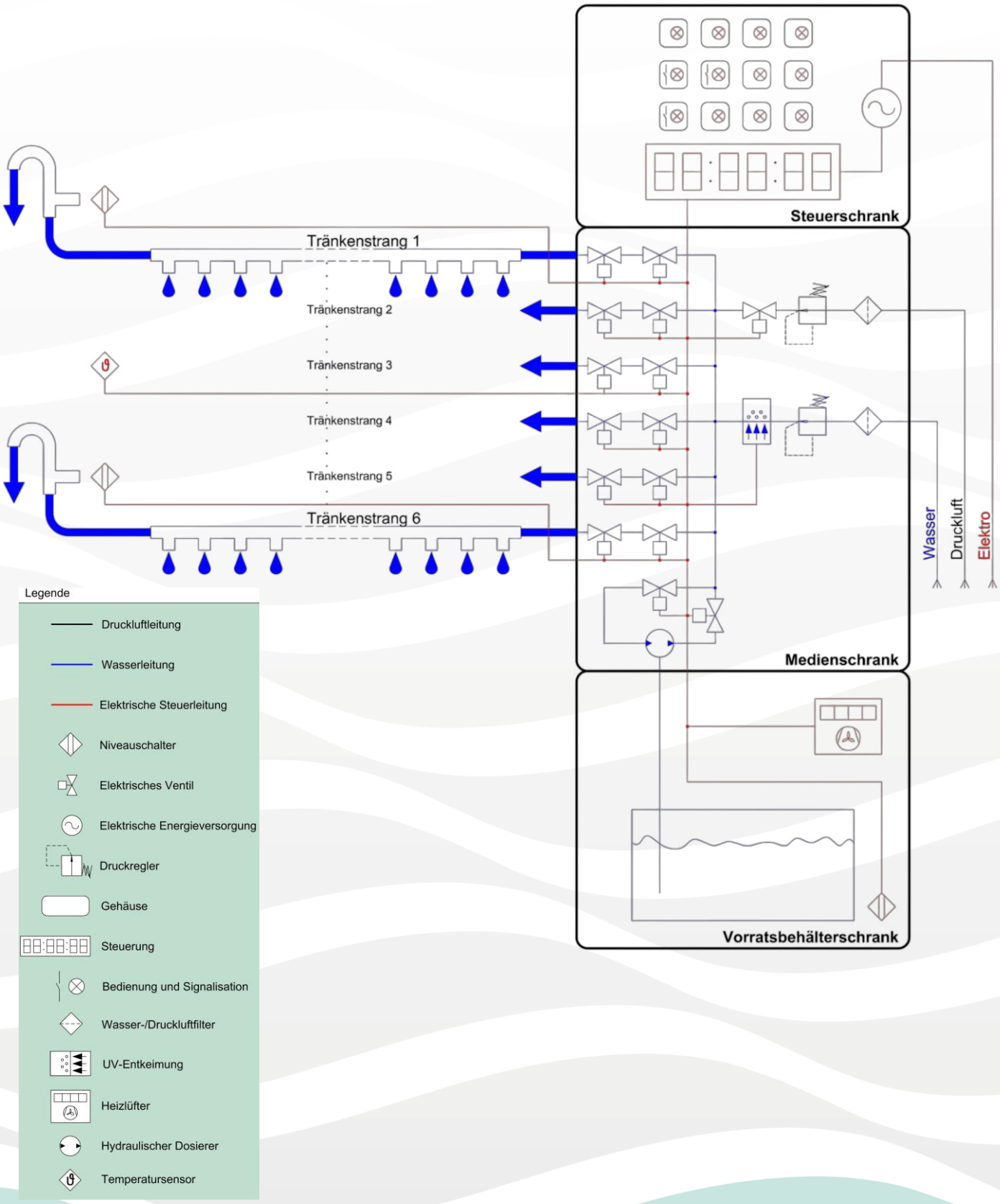
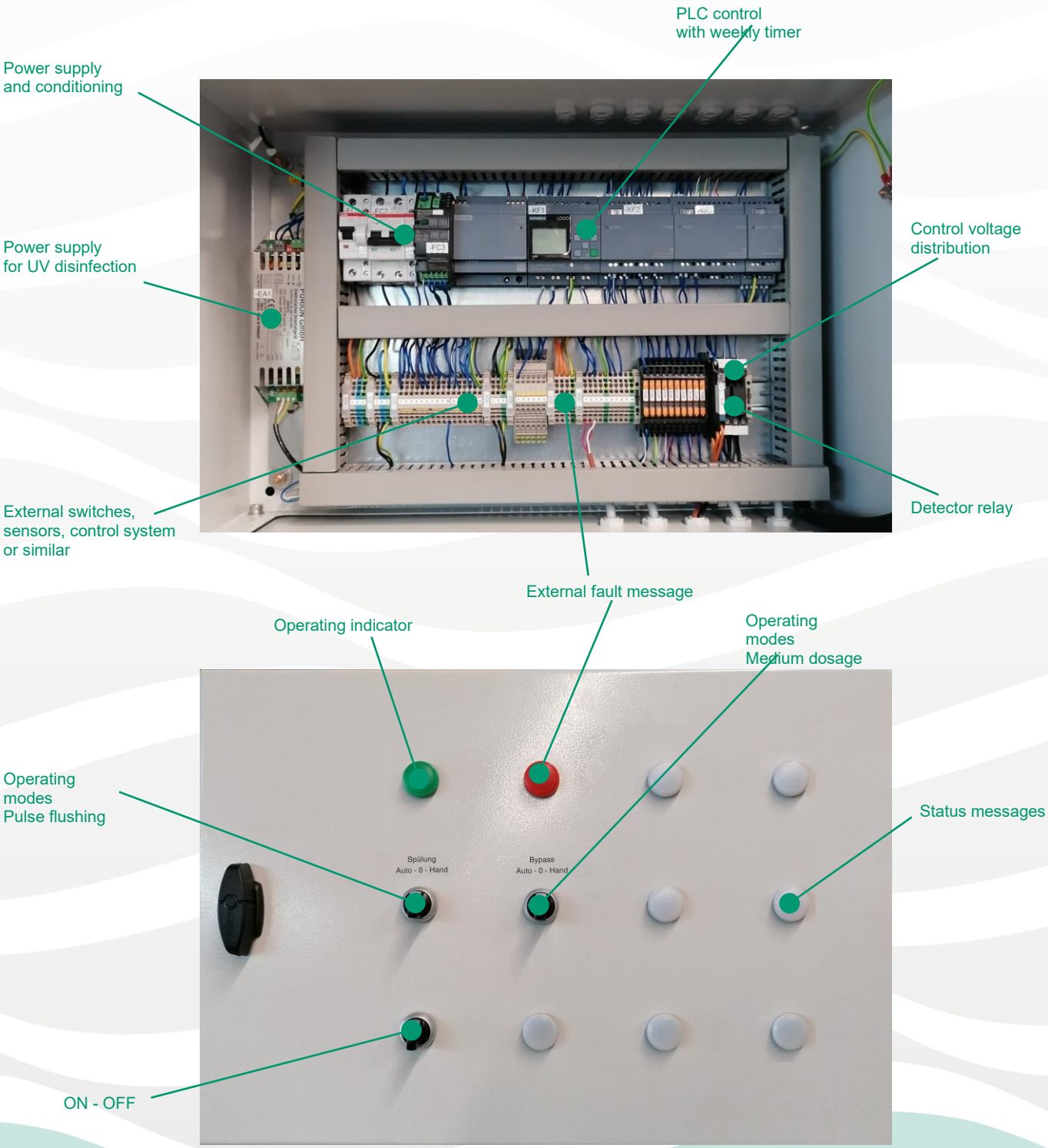
2. System overview

2.1. Overview of entire system



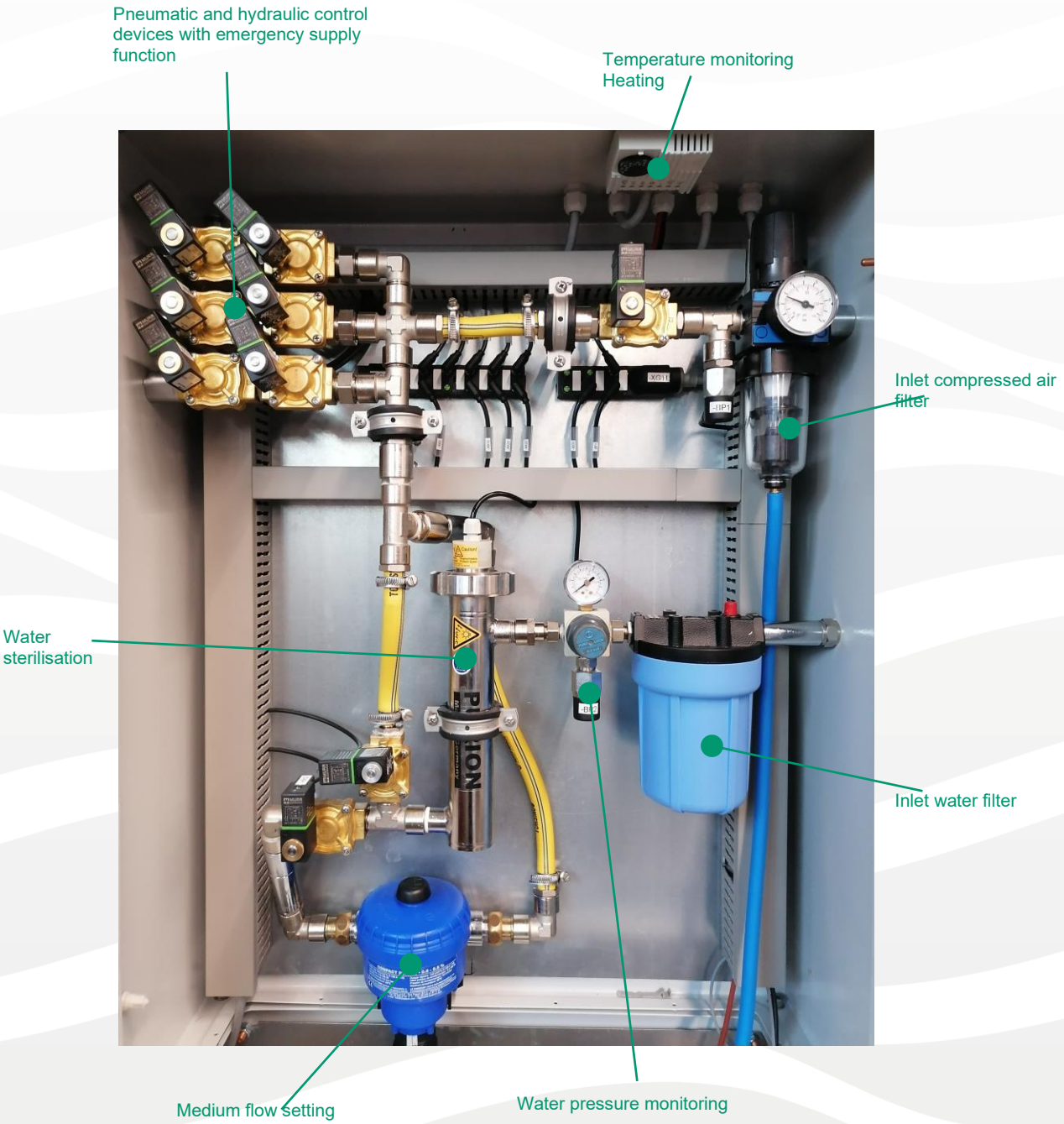
2.2. Overview of control cabinet

- Power supply for pneumatic, hydraulic and control assemblies
- PLC for controlling water supply, dosing and pulse flushing
- Supply of drinking water disinfection
- Connection of peripherals such as external sensors, control system, central signalling
- Operation and messages from the system



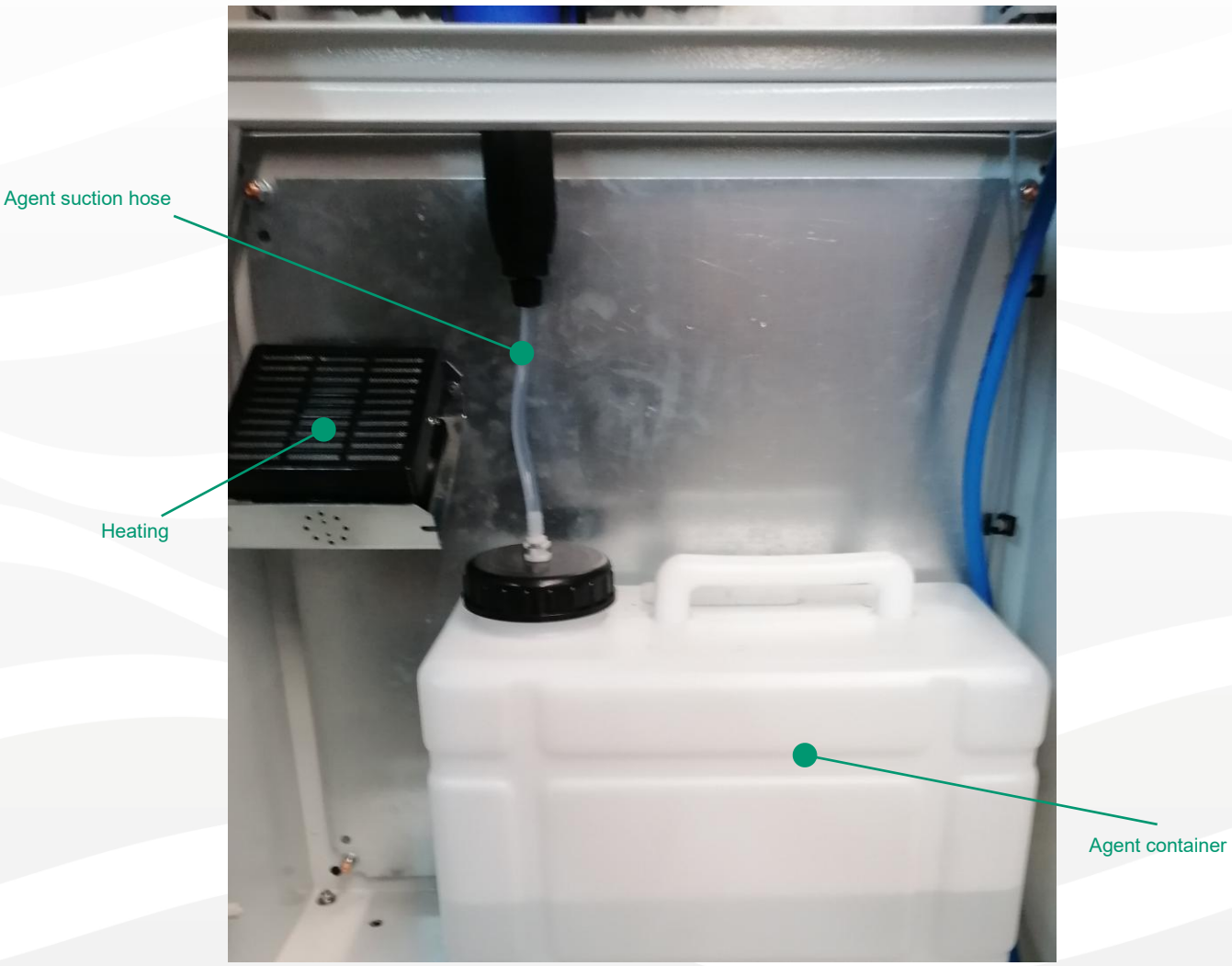
2.3. Overview of media cabinet

- Level control for individual drinking lines
- Filtration, disinfection and temperature monitoring of the drinking water
- Generation of water packages for pulse flushing
- Dosing of suitable aqueous agents
- Fault monitoring of the hydraulics



2.4. Overview of storage tank cabinet

- Accommodation of the medium container (with inoculum, additives, nutrients, etc.)
- Level monitoring of the medium
- Heating of the agent and the media cabinet



2.5. Overview of drinking line termination

- End of drinking line
- Visual inspection
- Recording of the level switch

3. Function overview

- Safe removal of old deposits and protection against new internal deposits in the drinking lines
- Up to 6 drinking lines can be controlled independently of each other
- Pulse flushing can be set separately for each line
- Simple operation
- Automatic, monitored operation
- Dosing of various agents possible for a wide range of applications

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