This list of safety warnings has been prepared based on the requirements of the General Product Safety Regulation (EU) 2023/988 (GPSR). The aim is to protect users from potential risks associated with improper use. The warnings have been written in simple and understandable language to be accessible to a wide audience, including the elderly and people with reduced mobility.

Warnings regarding the safe use of products cover the following categories of goods: Heat pumps, water pumps, lighting, filters, filter pumps, chlorine generators and chlorine dispensers, heat exchangers and electric heaters, UV lamps, dosing pumps, countercurrents and elements for their installation, pool blinds, disinfection systems, air dehumidifiers, air pumps, saunas and associated equipment, steam generators, electric furnaces, gas boilers, pool management systems, automatic valves and fittings, control panels and other similar categories of products.

1. General safety requirements

- **Age restrictions:**
  Installation , configuration and servicing of devices are only permitted for persons over 18 years of age, who have qualifications for working with electrical devices (e.g. basic knowledge of electrical engineering or experience in installation). Use (switching on/off) is permitted for persons over 16 years of age under adult supervision. Children, animals and persons under the influence of alcohol or drugs should not have access to the devices or their operating areas. Make sure that all controls are easily accessible and understandable, which is particularly important for older users.
- **Personal protective equipment (PPE):**
  - **Gloves:** Dielectric gloves (compliant with EN 60903, up to 1000 V) for working with electrical installations; gloves with high mechanical resistance (compliant with EN 388) for assembly.
  - **Safety glasses:** Impact resistant (complies with EN 166), protecting against sparks or splashes (e.g. when connecting pumps).
  - **Protective mask (respirator):** Class FFP2 for work in dusty conditions (e.g. when installing filters or dryers).
  - **Clothing:** Long-sleeved clothing and long trousers made of non-flammable materials (cotton, antistatic fabrics), without metal components.
  - **Footwear:** With insulating soles (compliant with EN ISO 20345, class 0 or 00) to protect against electric shock.
- **Technical condition check:**
  Before use, make sure that the housings of the devices are intact (no cracks,

burn marks), the cables have intact insulation, and the plugs/connectors are free from corrosion. Check the markings (voltage, power, IP class) and the presence of the user manual. Do not use devices with visible damage – in case of doubt, contact the seller for replacement.

- **Prohibitions:**
  It is forbidden to operate devices with wet hands, during a storm, with damaged insulation or without proper grounding. Do not disassemble devices that are live. Do not immerse device components in water if they are not designed for this. Do not cover ventilation openings or cooling units. Do not allow devices to operate without ensuring water circulation (if required).
- **2. Storage**
- **Storage conditions:**
  - **Temperature:** 0-40°C (avoid freezing of electronics below 0°C and overheating above 50°C).
  - **Humidity:** <70% to prevent contact corrosion and risk of short circuit.
  - **Room:** Dry, protected from dust, sun and mechanical damage. Use original packaging or covers.
- **Insulation:**
  - Store away from water, chemicals (chlorine, acids) and flammable materials (distance ≥1 m).
  - For long-term storage, remove batteries (applies to panels, blinds) to avoid leakage.
- **Access:**
  Store in locked cabinets or rooms, out of reach of children and pets.

3. Installation and use

- **Preparing for work:**
  - Disconnect the electrical power supply (switch, plug) and water supply (for pumps, filters) before starting installation.
  - Read the instructions: voltage (220V/380V), power, IP protection class (e.g. IP44 for swimming pools), connection diagram.
  - Check installation: Use a multimeter to confirm voltage compliance (tolerance ±10%).
- **Installation:**
  - **Electrical installations:**

        - Connect the device via a differential circuit breaker (RCD, leakage current ≤30 mA) and a suitable automatic circuit breaker (selected according to power, e.g. 16 A for 3 kW).
        - It is mandatory to perform grounding (resistance ≤4 Ω, checked with a meter). Use double-insulated cables (cross-section selected for the current, e.g. 2.5 mm² for 16A).
        - Avoid running cables in water, under load, or in areas with temperatures >50°C.
    - **Hydraulic installations (pumps, filters, counter-currents):**
        - Installation on a flat and stable surface (vibrations <1 mm/s). Connect pipes using seals (Teflon tape, EPDM seals), do not exceed the permissible pressure (e.g. 2.5 bar for filters).
    - **Heating systems (heat pumps, heaters, boilers):**
        - Provide adequate ventilation (≥200 m³ /h) for heat dissipation. Install thermostats to control temperature (<60°C for pool water).
    - **Test:** After assembly is complete, run the unit at idle speed (1-2 minutes) to check noise level, possible leaks and operating temperature.
- **Use:**
    - Do not exceed the technical parameters specified in the documentation (power, pressure, temperature).
    - Avoid operating devices without water (pumps, counter-currents) or with clogged filters (risk of overheating).
    - Do not use water with added chemicals unless recommended by the manufacturer.
    - Use only functional grounded sockets.
    - Use only compatible thermostats, controllers and overheating protection.
    - Unplug devices during extended periods of inactivity (>24 hours).

4. Maintenance

- **Weekly check:**
    - Check cables and connectors for wear, device casings for cracks, and filters for blockages.

    - Monitor operating parameters (water temperature, pressure, humidity for dehumidifiers).
    - Check the water temperature regularly to prevent overheating.
- **Monthly maintenance:**
    - Clean the filters (rinsing for sand filters, replacing for cartridge inserts) and the vents (using compressed air).
    - Lubricate moving parts (pumps, roller shutter rollers) with silicone grease (do not use oil).
    - Test the differential circuit breaker (test button) and check the grounding (with a multimeter).
- **Seasonal maintenance (wintering/spring start-up):**
    - Winter: drain water (from pumps, filters, heat exchangers), disconnect power, store moving parts at temperatures above 0°C.
    - Spring: flush the system, check the condition of cable insulation, replace worn seals.

5. Procedure in emergency situations

- **Electric shock:**
    - Disconnect the power supply (circuit breaker). Do not touch the injured person with bare hands – use a dry, wooden or plastic object. Call an ambulance (103/112).
- **Overheating/fire:**
    - Disconnect the power supply, use a powder or carbon dioxide fire extinguisher (class E). Do not extinguish live electrical equipment with water.
- **Water leakage (pumps, filters):**
    - Turn off the water supply, disconnect the device from the power supply, eliminate the cause (replace the seal, repair).
- **Electronics failure:**
    - Disconnect the device, check the fuses, in case of more serious faults contact a specialist.

6. Disposal

- **Devices:**

    - Electronics: dispose of as waste electrical and electronic equipment (WEEE) in accordance with Directive 2012/19/EU at designated collection points.
    - Metal (housings): scrap (AISI-304 and AISI-316 separately).
    - Plastic: recycle (PP, ABS – as marked on product).
- **Packaging:** Cardboard – for waste paper, polyethylene – for plastic recycling.
- **Prohibitions:** Do not dispose of devices in municipal waste (penalties may apply for violating environmental protection regulations).

7. Final recommendations

- **Consultation:** Check the compatibility of devices (e.g. pump with filter, lighting with transformer) with the seller.
- **Documentation:** Keep a service log (cleaning dates, parts replacements) for warranty and diagnostic purposes.
- **Quality:** Avoid products without certificates (CE, IEC). Low quality equipment can lead to fire or electric shock.
- **Training:** Learn the basics of connecting devices (videos, tutorials) for complex systems (countercurrents, heat pumps).

The importance of following recommendations

Following the above warnings minimizes the risk of injury, equipment damage and financial loss. Ignoring the recommendations can lead to serious health and property hazards. Take care of your safety and the safety of your loved ones by following the precautions given.