

# Operating Rules Swimming Pool with Water Treatment Facility

Address: Výstaviště 67, 170 00 Prague 7  
Name: Finnish Sauna and Bio Sauna  
Operator: **Výstaviště Praha, a.s.**  
Registered Office: Výstaviště 67, 170 00 Prague 7  
The company was registered on 2 March 1998 in sec. B, file 5231 of the Commercial Register administered by the Municipal Court in Prague.  
ID No.: 25649329  
VAT No.: CZ25649329

## 1. Introductory provisions

The Operating Rules of the Výstaviště Praha Swimming Pool are prepared in accordance with the provisions of Act No. 258/2000 Coll., on the Protection of Public Health and on Amendments to Certain Related Acts, as amended, and Decree No. 238/201, which establishes the sanitary requirements for swimming pools and saunas, as amended.

## 2. Technical description of the facility

### 2.1. Description of the swimming pool

- Indoor swimming pool: length 25 m, width 12.5 m, depth 1.2 – 3.8 m, water volume 655 m<sup>3</sup>, capacity 30 to max. 48 persons, water surface area = 312.5 m<sup>2</sup>.
- The capacity of the lockers corresponds to these parameters, i.e., a total of 113 lockers (55 men, 55 women, 3 disabled persons).
- The public areas have changing rooms, ladies' and men's toilets and other facilities.
- The water treatment plant is on the ground floor of the building. These areas are not accessible to the public. The water treatment plant is designed for an average attendance of 300 people per day.
- The source of the fill-water is the public water supply for the City of Prague.

### 2.2. Water treatment technology

- The water source for the swimming pool is the public water supply. A separate water meter is located at the main water supply inlet and is designated only for the swimming pool. The water is fed into storage tanks and passes through the water treatment facility before entering the pool. Water treatment happens by means of single-stage coagulation filtration with automatic dosing of the appropriate chemical agents and by water-health security checks.

### 2.3. Water treatment consists of the following procedures:

- Mechanical pre-treatment on the front fibre and coarse dirt traps, which are part of the circulation pump;
- Removal of turbidity and colour-forming substances by means of single-stage filtration on pressure filters. The filter cartridge consists of a layer of silica sand;

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- The pH correction of the circulated water is continuously monitored and maintained using sulphuric acid AKU 38% or soda ash according to the value of the input make-up of water to the pool. The pH of the pool water will be maintained in accordance with the hygiene decree in the range of 6.5 and 7.6;
- Ensuring bacteriologically safe water is carried out by disinfecting the water content with chlorine derivatives with automatic dosing up to the required free chlorine levels in the water in the range of 0.3 – 0.6 mg/L at a water pH value of up to 7.4;
- Water is heated by heaters (part of the CH), to which a temperature measuring system is connected, together with an automatic switching on of the heating medium when the required water temperature drops.
- An integral part of the swimming pool operation, in terms of water quality, is the regular replenishment of the water content of the pool with drinking water during normal operation at a minimum rate of 30 L/person/day.
- During operation, an automatic underwater vacuum cleaner is used to clean the pool walls and bottom. For cleaning and disinfection of the pool overflow troughs, there are taps on the drainpipe to the storage tanks in the engine room, which are connected to the sewer system. During washing, the valve is switched when the circulation is interrupted so that the cleaning water does not flow into the pool water circuit but flows directly into the sewer drain. This prevents contamination of the pool water to the maximum extent.

## 2.4. Water quality control including a logbook entry in accordance with Decree 238/2011 Coll. as amended:

- free chlorine content in the showers (men's steam baths) one hour before the start of operation and once a day thereafter, here the sign "non-drinkable water" is placed,
- free and bound chlorine content – one hour before the start of operation and every fourth hour thereafter,
- redox potential – every 4th hour,
- pool water and air temperature – 3 times a day,
- transparency – continuously, but at least 3 times a day,
- pH – once a day,
- ammonium ions, nitrates – once a week – the determination is carried out by the laboratory of the Health Institute, Department of Hygienic Laboratories Prague
- turbidity – 2 times a month – determination is carried out by the laboratory of the Health Institute Ústí nad Labem,
- microbiological indicators – once a month, determination is carried out by the laboratory of the Health Institute Ústí nad Labem.

## 2.5. Disinfectants used for cleaning

- **Persteril** – concentration 0.5 %, duration of action at least 10 minutes, cleaning of floors, swimming pool halls, steam baths and showers, including tiles.
- **Chloramine B** – concentration 2 %, duration of action 30 minutes, used for cleaning floors, swimming pool halls, steam baths and showers, including tiles, also floors in changing rooms and lobbies, toilets – floors, tiles, seats, and doors.
- **Orthosan** – see chloramine B.
- **Savo WC, WC Desi** – undiluted for sanitary equipment, duration of action 5 minutes, rinsing with drinking water.
- **Savo Prim** – concentration 1 %, dilute with warm water 25 °C, duration of action 30 minutes, contains detergent, use as chloramine B.
- **Savo** – concentration 5 %, duration of action 30 minutes, use as chloramine B.

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- **Hygiene - finish** – concentration depending on the degree of contamination from 25 to 100 ml per 10 l of water, contains detergent, use as chloramine B.

The above-mentioned chemicals and other chemical preparations are stored in accordance with the wording of Act No.157/1998 Coll., on chemical substances and preparations, as amended, in designated areas inaccessible to the public and in accordance with the rules for the safe handling of corrosive substances according to Act No.356/2003 Coll., Volume 8, Section 44a, paragraph 10, and the text of the above-mentioned Act is hanging in a visible place in the room with the stored substances.

Persons handling such substances shall undergo regular training in accordance with Section 10 of the aforementioned Act, comply with the safety regulations and use the prescribed protective and work equipment.

## 3. Swimming pool operation management

### 3.1. Water quality control

- The quality of pool water and water at the inflow to the pool, as specified in Annex 4 of Decree No.238/2011 Coll., as amended, is checked by the Health Institute Ústí nad Labem – Department of Hygienic Laboratories, see Article 2.4.
- The protocols on the analysis results and daily records are archived for a minimum of 5 years.

### 3.2. Swimming pool employees are obliged to:

- use personal protective equipment at work, especially when handling disinfectants and other aggressive agents
- observe the principles of personal hygiene and cleanliness at the workplace
- observe the Spa Rules of the swimming pool and control their observance by the public, have valid health cards.

Selected professions – lifeguard, swimming schoolteacher – must have a valid certificate of professional competence (issued by an institution accredited by the MEYS CR), which includes knowledge of first aid.

The principles of personal hygiene and other obligations of visitors to the swimming pool are listed in the Swimming Pool Visiting Rules.

## 4. Swimming pool cleaning rules and disinfection procedure

The walls and the bottom of the pool are cleaned daily with a water vacuum cleaner.

Cleaning and disinfection are carried out daily in all areas open to the public.

Trash cans are emptied daily and must not overflow.

The quality of cleaning and its regular implementation shall be the responsibility of the staff member on duty.

The engineer on duty shall record

- the number of visitors and the amount of dilution water per day for both pools,
- the energy consumption and operating values of the cogeneration units,
- the value of operational checks – see water treatment technology,
- other irregular records (cleaning of filters, vacuuming of pools, cleaning of pool walls, defects detected, pool shutdown, etc.).

The archival period of these records is 5 years.

## 5. General safety and fire protection requirements

- All employees are obliged, according to their work assignment, to comply with the principles of work safety, spa regulations and other specific requirements.

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- All health, technical and property emergencies are reported and recorded in the swimming pool cashier's office.
- Within the meaning of Section 4 of the Fire Protection Act, the swimming pool is classified as an environment without increased fire danger and the employees are trained once every three years.
- A fire alarm directive is posted at the pool and escape routes are marked.
- Fire protection is provided on a contractual basis.

## 6. First Aid

- First aid is provided by the lifeguard on duty at the time
- The lifeguard room contains all the prescribed aids for providing assistance in the event of accidents and other medical problems, including the AED equipment.

The lifeguard is responsible for:

- keeping proper records of injuries and their treatment,
- the condition of the first aid kit (contents, replenishment, warranty periods, or expiry dates),
- providing emergency resuscitation by using the AED,
- calling a doctor in a timely manner if the incident requires it,
- reporting the emergency to the lifeguard's immediate supervisor and the operator's representative.

All swimming pool employees are required to conduct themselves in a manner that minimizes risk and harm to their own health and that of visitors.

## 7. Final provisions

The Operating Rules of the Výstavišti Praha Swimming Pool are part of the organizational and control system of the Výstaviště Praha, a.s. company.

The Operating Rules of the Swimming Pool come into force

Date: 30.11.2022

Approved by:

Stamp and signature:

Date: 30.11.2022

