NIVEKO s.r.o.	# WINTERIZING OF OVERFLOW POOL	Version: 1/2018
Responsible: technical department		Date: 03.12.2018

Ice is the main problem in the winter season. If ice occurs in a closed space, its expansion causes deformation or rupture of the given equipment or piping. Preparation for winter should prevent these problems.

Pool body

The winterizing procedure consists in draining water from all technological units of the pool, such as the backflow shields, reflectors, vacuum device, etc. By means of the bottom suction, water is drained to a level approx. 5 to 10 cm above the level of the lights; if a backflow or other device is mounted on the pool, the water is drained to the boundary between the lights and the pertinent equipment. This water level must be maintained for the entire winter season. We recommend that you place winter dilatation floats on the water surface prepared in this way so that ice expansion can be partly eliminated if the pool freezes accidentally.

To facilitate cleaning of the pool skeleton at the beginning of the summer season and increase the service life of the skeleton, it is suitable to apply winterizing agents to the pool water. In spring, we recommend a complete replacement of the water by cleaning and refilling the pool. The pool body MUST NEVER BE EMPTIED COMPLETELY for the winter season!!! At the same time, however, it is necessary that piping located within freezing depth (vacuum device, etc.) be dewatered by decreasing the water level.

Buffer tank

Winterization of the buffer tank consists in discharging and pumping it out to the maximum possible extent until the pump is filled with air. The remaining amount of the water can be left in the tank. Furthermore, we recommend you to dismount the suction basket from the buffer tank and store it in a dry environment.

Technology

As mentioned above, the greatest risk for the pool technology is potential freezing in the winter season. Therefore, it is necessary to shut down and dewater all of the parts, which means clearing all water from the filter, 6-way valve and all built-in pumps. For this purpose, the pumps, filter and the 6-way valve are equipped with a drain valve. Air access to the discharged pump body or filter must be ensured so that as much water can be drained as possible. Therefore, it is recommended to loosen the cover of the coarse impurities filter as well as the filter venting valve located after the pressure gauge. For winterization of the backflow pump, it is suitable to loosen the union nut of the upstream valves. It is suitable to dismount the automatic dosing device, or any other electronic device including the filtration pump, backflow and other pumps, and store it in a dry environment where there is no risk of freezing.

As for the technological shaft, water must be drained directly into the shaft, which must then be thoroughly dried.

Finally, disconnect the electric wiring by switching off the main circuit breaker (residual current device).

We recommend that you check the state of the technological shaft continuously during the winter season to prevent accidental flooding by trickling water, thawing snow, etc.

In any case, it is necessary to ensure that the parts of the pool technology and pipelines which remain filled with water cannot freeze.