

Shipping – Handling - Filling the tank.

Shipping :

The Ice Containers (IC) are packed and transported in “big bags” containing 400 IC, placed on wooden pallets. Each big bag is equipped in the lower side with an emptying chute and in the upper side with 4 lifting straps and weights 430 kg.

Handling

A forklift truck is used for horizontal handling : the forks can either take the wooden pallet under the big bag, or lift up the big bag by the straps. For vertical handling, a crane equipped with slings is used to lift up the big bag by its straps.

Storage of Ice Containers

On site, the IC are generally stored near the Ice Storage tanks, before filling. The big bags must always be stored under cover, never under the sun and protected from dust, if possible in a closed building

Filling the Ice Storage tank.

The Ice Storage tank must be filled with water (without glycol) up to the filling level of IC. Then, the big bags are opened by the emptying chute and the IC are poured in bulk into the tank, through the filling trap door. As the IC are filled into the tank, the water inside must be emptied. When the tank is filled with all the IC, all the remaining water must be sucked.