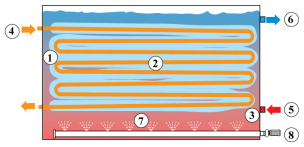
Principle of operation

Ice thermal storage

Principle of operation



The TSC coil is for use in an external melt system. This system produces and builds **ice (1)** around a **coil (2)** submerged in **water (3)**. A **refrigerant or cold glycol (4)** circulates through this, while ice accumulates on the outside. The ice is melted by circulating **warm water (5)** from the load over the coil, which **cools the water (6)**. Low pressure **air (7)** from an **air pump (8)** is distributed below the coil for water agitation.

Want to use the TSC coil in your ice storage system? Contact your local BAC representative for more information.

This file has been generated from the BAC website on: 01/02/2021
For more up to date information, visit: https://www.baltimoreaircoil.eu/en/products/TSC-principle-of-operation