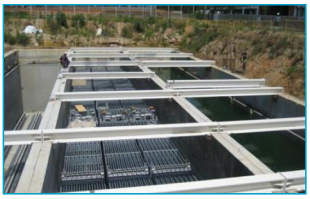
TSC

Ice thermal storage


Key benefits

- Reliability: constant water supply temperature (1 to 2°C)
- Lowest first cost
- Energy saving

TSC characteristics

- External ice melt
- Direct refrigerant or glycol feed

Capacity range

300 - 3692 kWh

Other benefits are:

- Proven BAC technology, part of your building infrastructure
- Minimum maintenance

- Environmentally friendly

Read more about the TSU benefits.

Interested in customized TSC coils for your cooling project? Contact your local BAC representative for more information.

Downloads

- TSC External melt

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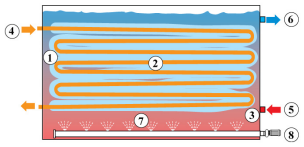
Principle of operation



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.

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Construction details

The coil is constructed of continuous length of **prime surface steel**, hot-dip galvanized after fabrication. Designed for maximum 10 bar (glycol) or 18 bar (ammonia) operating pressure according to PER.

Optional stainless steel coils are in type 304L or 316L.

Like to know more about the TSC ice coil construction details?
Contact your local BAC representative.

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Engineering data

REMARK: Do not use for construction. Refer to factory certified dimensions & weights. This page includes data current at time of publication, which should be reconfirmed at the time of purchase. In the interest of product improvement, specifications, weights and dimensions are subject to change without notice.

General notes

1. All dimensions are in mm. Weights are in kg.
2. Unit should be continuously supported by a flat level surface.
3. All connections are threaded.
4. H_1 = installed height. Coils are capped for shipping and storage. Add 75 mm for shipping height.
5. Refrigerant charge listed is operating charge for pump recirculated bottom feed. For other feed systems, consult your BAC Balticare representative.

TSC-C