

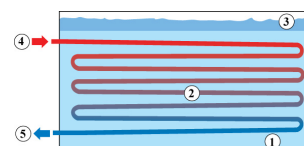
# Principle of operation

## Ice thermal storage

### Principle of operation

TSU-M is an internal melt system that produces and builds **ice (1)** around a **coil (2)** submerged in **water (3)**, most of which freezes within the tank. The **warm glycol (4)** from the load circulates through the coil and melts the ice from the inside. The newly **cooled glycol (5)** is then pumped through the building cooling system or used to cool a secondary refrigerant that does the same.

Internal melt is ideal for air-conditioning involving cooling at higher temperatures than external melt.



**Want to use the TSU-M ice storage system?** Contact your local [BAC representative](#) for more information.