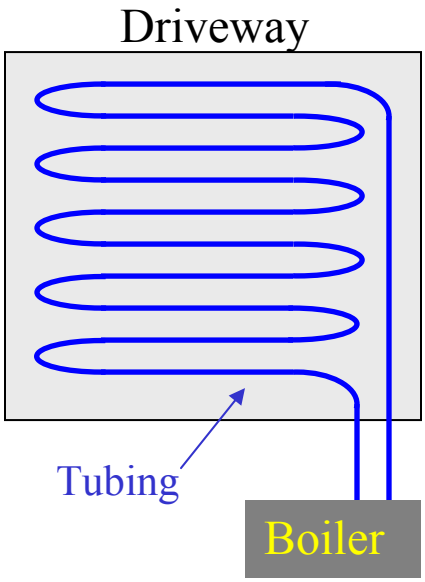
Residential Snow Melt Systems

Overview:

Snow melt systems offer the convenience of being able to melt snow and ice away from sidewalks, driveways, etc. without salting or shoveling.

Applications:

- **Residential**
  - Driveways
  - Sidewalks and steps
  - Hot tub/pool surrounds



How it Works:

Snow Melt Systems are configured much like a radiant floor heating systems except that they are installed underneath driveways, sidewalks, patios, carports, etc. Snow and ice melting systems are hydronic systems designed to assist with the melting of snow and ice by circulating a solution (usually antifreeze and water) through PEX tubing permanently installed beneath the surface.

Benefits:

- **Safety:** Snow melt systems melt snow and ice to make walkways and driveways safer.
- **Reduce indoor maintenance costs**. No salt or water is tracked inside, therefore carpets are cleaner and last longer.
- **Eliminate the cost of snow removal:** These systems can eliminate shoveling, plowing or sanding and salting. They can also reduce landscape costs of replacing sod and other landscaping damaged by snow removal equipment.
- **Pavement Lasts Longer:** Freeze and thaw cycles can be eliminated extending the life of concrete, asphalt and brick pavers.

Operational Issues:

Caution must be exercised when selecting the supply water temperature for a snow melting system to prevent potential stress-cracking of the concrete. The supply temperature should be no higher than 130° F.

Also, Insulation is an important consideration of a snow-melt system. A fully insulated under-slab will reduce the heat energy expended warming the soil below.

You should consult with a design professional before installing a snow-melt system.

More Info.:

Radiant Floor Heating	www.radiantfloorheat.com
REHAU	www.rehau-na.com
Vanguard	www.vanguardpipe.com
Watts Radiant	www.wattsradiant.com