SFI provides various options to support a wide range of heating and cooling requirements. We work with our customers to design the best solution for the application while keeping costs down and efficiencies up.

- Dimpled heat transfer surface
- Half pipe
- Full internal pipe coil
- Open jacket
- Heat trace, cables, blankets
- Double wall construction
- Outer jacket
- Insulation
- Sweep and scrape mixers
- Thermometers and controls

Typical Materials of Construction

**Dimpled HTS:**
- 14 gauge with 2” x 2” spacing.
- 304 or 316L stainless steel.

**Half Pipe and Full Pipe Coil:**
- Half pipe is formed from 10 gauge sheet or Sch 40 pipe.
- Full coil formed from Sch. 40 pipe.
- 304L or 316L stainless steel.
- 2” dia. (min. 21” finished dia.)
- 3” dia. (min. 30” finished dia.)
- 4” dia. (min. 36” finished dia.)

Half pipe for bottom heads is formed from Sch. 40 pipe and cut in half while half pipe for the sidewall is formed from sheet into a true 180° half-circle.

NOTES:
- Materials such as 2205 and Hastelloy available by special order.
- Other pipe diameters are available.

SFI Engineers perform ASME and custom process calculations such as flow rate and pressure drop to determine heat transfer requirements. They also consider variables, such as:

- How the tank will be used (hot, cold or both).
- Will there be multiple batch sizes in the same tank?
- Does the customer have a preference - dimple or half pipe?
- Will the temperature cycle hot to cold?
- What is the flow rate requirement?
- Will the tank be insulated and jacketed?
- Will a sweep or scrap mixer be needed to assist with heat transfer?

SFI personnel will consider these questions and more to propose a solution that will meet customer requirements and applicable Codes, operate efficiently, and be cost effective.