This type of heater consists of a custom designed tube bundle mounted inside a shell. The shell is open at one end and closed at the other end. Fluid flows through the open end and is heated by a heat transfer medium—hot oil, steam or other fluid—and exits the suction heater outside of the tank. A mounting flange is supplied on the suction heater that is designed to bolt onto the manway flange in the tank. All American Heating Company suction heaters are built to ASME code and are code stamped.

The Suction Heater heats only the liquid being pumped through it instead of heating an entire storage tank of products.

American Heating Company supplies a line of shell and tube exchangers specifically designed to heat viscous fluids. They are custom designed bare tube exchangers that are located external to the storage tanks. Product is heated using either hot oil or steam. The shell and tube exchanger serves the same function as the Suction Heater, however it is located outside of the tank.

All American Heating Company Shell and Tube Heat Exchangers are built to ASME code and are code stamped.

This type of heater consists of a custom designed tube bundle that is provided with a mounting flange that is bolted to the side of the tank. The coil is completely open to the fluid in the tank and, unlike a Suction Heater, the Bayonet Heater is designed to heat the entire tank.
Finned Coils have as much as 12 times the heat transfer area of bare coils.
Finned Coils are much less expensive than bare coils on an installed basis.
Finned Coil installation is quicker and less expensive than bare coils.
Minimal work inside the tank is required.
Less coils means less welds in your tank. Tank leaks are thereby minimized.

American Heating Company tank heating coils have been used in a wide variety of applications and industries.

Some of these applications include:
- Asphalt Storage
- Bio-Diesel Storage
- Crude Oil Storage
- Number 6 Oil Storage
- Waste Oil Storage
- Chemical Tank Storage-Sulfur, caustics, etc.
- Water Tank Heating

Some of the industries served include:
- Bio-Diesel Storage
- Tank Storage Terminals
- Oil Refineries
- Chemical Plants
- Food Processing Plants
- Barges and other shipping vessels
- Utilities