

AHTF[®] - Advanced Heat Transfer Fluid Solutions

How Does AHTF[®] Work?

The ability of a material substance to transfer heat can be measured or quantified by its properties. Thermal Conductivity, Specific Heat, Density, Viscosity and Heat Transfer Coefficient, resulting in Convective Heat Transfer, will determine the ability or speed with which that material will transfer heat.

AHTF[®] alters these properties to create a high-performance heat transfer fluid. **AHTF[®] will outperform ANY heat transfer fluid currently on the market today!** AHTF[®] has fluid properties for specific applications such as closed-loop hydronic heating and cooling systems, data room cooling, thermal storage, solar heating systems, radiant heat and various heat rejection applications, all increasing the thermal energy efficiency of each system. Let's look at these properties.

- **Specific Heat** is the amount of heat needed to raise a unit of material or substance by 1 degree.
- **Thermal Conductivity** is the property of a material or substance to conduct heat.
- **Density** is the mass of a material or substance per unit of measurement.
- **Viscosity** is resistance to flow.
- **Convective Heat Transfer** is the transfer of heat from one place to another by the movement of fluid.

