

Looking for more reliability from your system?

Keep your plant running with the right heat transfer fluid—and the right experts.

Eastman heat transfer fluids provide precise temperature control and excellent thermal stability, ensuring years of trouble-free service with minimum downtime.

What is heat transfer fluid?

Heat transfer fluid (HTF) is a liquid or vapor that continually transfers thermal energy to cool or heat a system. Heating and cooling from the heat transfer system are essential steps in many industrial and manufacturing processes. HTF can also be used for energy recovery from hot exhaust liquids or exhaust gases.

With the Therminol® and Marlotherm® brands, Eastman offers a family of heat-stable fluids. Eastman heat transfer fluids provide excellent temperature control and thermal stability, ensuring years of trouble-free service with minimum downtime.

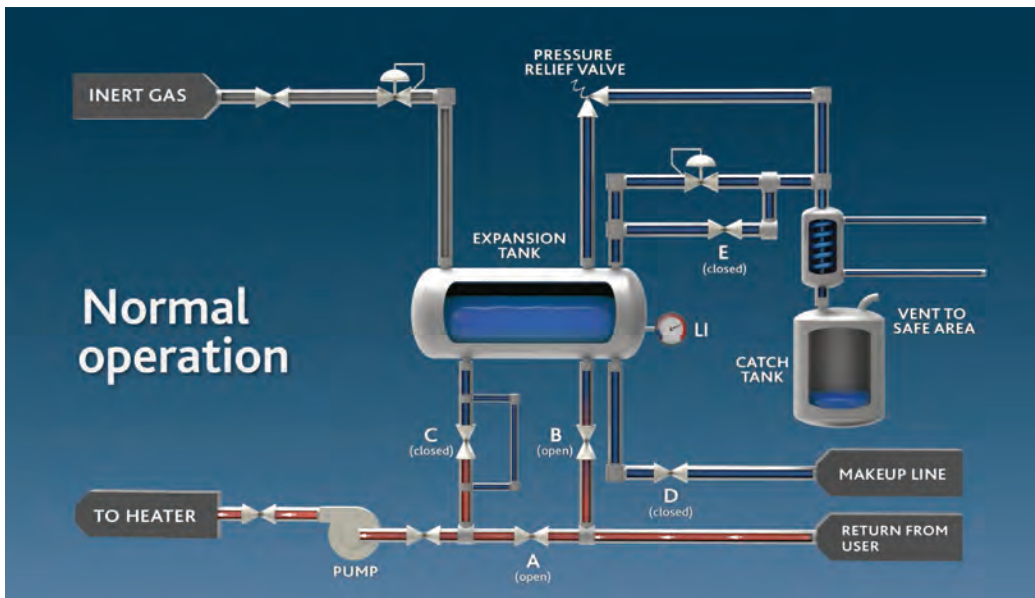
Design considerations

A key decision is selecting the fluid type.

Options include:

- Water/steam
- Glycol/water mixtures
- Mineral oils
- Synthetic HTFs
- Molten salts

Synthetic HTFs are established, viable alternatives to water or steam—and the preferred choice at temperatures above 260°C (500°F). Synthetic HTFs, provide a safer operation that requires less monitoring.



The importance of proper fluid selection

Taking the time to carefully consider what fluid will work best for your application can help ensure your plant operates as efficiently as possible.

Eastman heat transfer fluids have been providing high performance and stability in systems with operational temperatures **from -115°C (-175°F) to 400°C (750°F)** for nearly 60 years.

Markets and applications

Eastman heat transfer fluids are designed to provide good temperature control in a variety of applications:

- Hydrocarbon processing
- Alternative energy and technologies
- Plastics processing
- Chemical processing
- Food and beverage processing
- Heat processing
- Heat transfer system maintenance

Why do heat transfer fluids degrade?

Different fluids can withstand different degrees of heat. Organic HTFs can thermally degrade over time at high temperatures as their weaker molecular bonds break. Eastman provides maximum bulk temperature ratings to help ensure optimal life.

Routine fluid sampling is critical to your operations.

Regular monitoring of fluid condition helps you predict and minimize thermal degradation over time. A well-monitored and cared-for HTF system helps protect the production yield and quality of your operations.

Eastman's Fluid Genius™ sample analysis and maintenance portal lets you:

- Optimize your fluid life
- Detect problems early
- Avoid costly shutdowns
- Anticipate maintenance needs

To learn more about taking a sample and accessing Fluid Genius, contact your distributor. For more information, visit FluidGenius.net. *Note: Eastman heat transfer fluids are only sold through authorized distributors or directly from Eastman.*



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