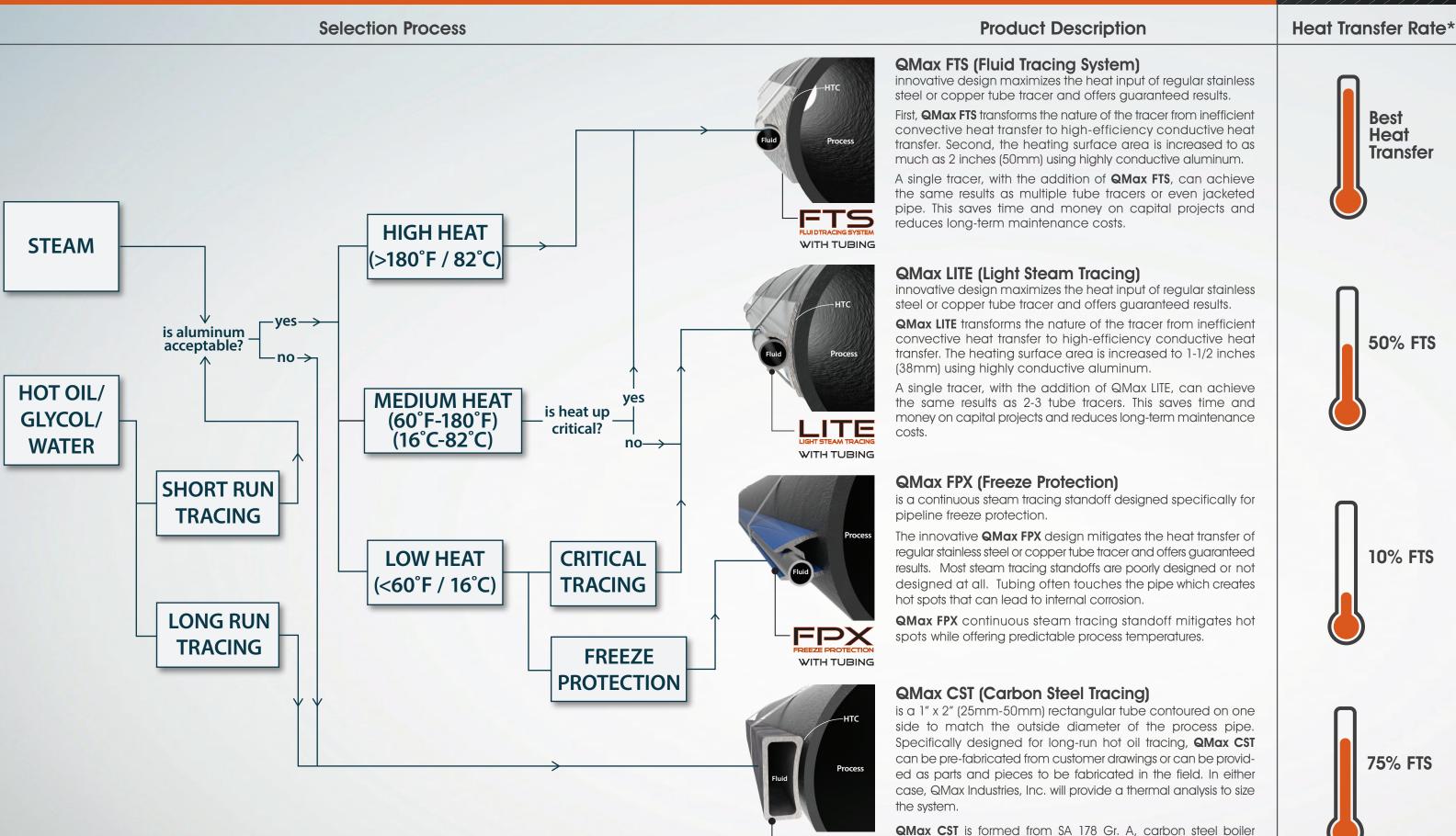
Steam Tracing Product Selection Guide





(WELDED)

Section IX.

* Based on internal testing and research

tubing. The elements are fabricated and tested in accordance with ASME Boiler and Pressure Vessel Code, Section VIII, Div. 1 or





Clear Advantages

Lower cost

The total installed and long term maintenance costs of **QMax FTS** is consistently lower than jacketed pipe or tube tracers.

Easy installation and maintenance

QMax FTS fits under common tubing so installation and maintenance are well understood.

Customized fit

QMax FTS is made from aluminum. making field installation quick and simple.

Fewer leaks

QMax FTS reduces the number of tracers required which reduces the number of fittings. No costly hoses are required with the system.

Engineered systems

Each application is specifically designed for specific heating requirements to offer precise temperature control and precise energy consumption.

Estimated Cost Savings Example

Companies that implement **QMax FTS** as an improvement to standard bare tracing often

of steam and condensate infrastructure. The following example demonstrates the potential

savings based on historical prices. The material savings alone more than offset the cost of

the QMax FTS system. To run a more detailed analysis of savings, please send us the unit prices that apply to your site specifications (for example, welded versus seamless affects

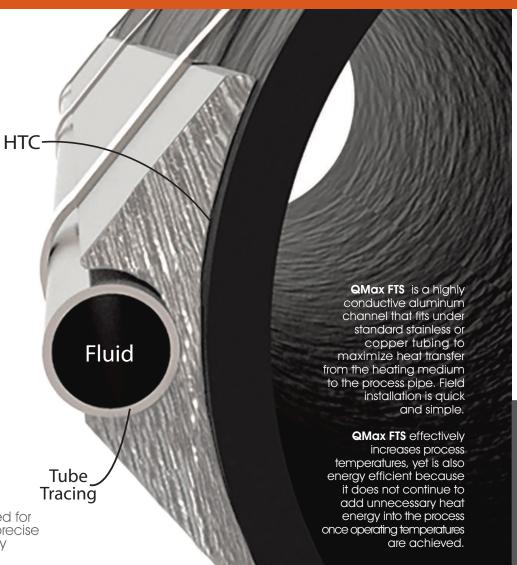
Fittings

\$25

1,200

600

\$15,000



State-of-the-Art STEAM TRACING **High Performance, Capital Savings**

QMax Industries, Inc. designs and manufactures specialized process heating systems for industrial piping, vessels and equipment. We offer High Performance Heat Tracing (Steam, Hot Oil, Glycol and Electric), Equipment Jacketing and Tank Heating solutions. Our state-of-the-art, innovative systems help make us the world leader in Steam Tracing technologies. We help Asphalt Facilities, Oil Refineries, Chemical Plants and other operations to maximize process efficiency and minimize plant downtime.

QMax is the Steam Tracing Authority. We offer steam tracing solutions for any application. We have the engineering expertise to make the best recommendations based on the specific needs of a project.

" If you're not using the QMax System, you're spending too much"

> Robert Hager **Manager of Special Projects** Eastman Chemical Co.

Thermal Modeling

QMax provides qualified customers with complimentary thermal analysis on all applications to model the temperature profile of the system before it's put into service. Many different scenarios can be analyzed to improve the effectiveness and efficiency on a project.

From our flagship QMax FTS for critical tracing to our QMax FPX for freeze protection, we have you covered. Our systems help reduce your energy use and capital costs, saving you money.





QMax Industries, Inc. is a technology company based in Charlotte, NC, with several innovations in the field of process heating.

Our specialties include:

>High Performance Steam Tracing >High Performance Electric Tracing

>Equipment Jacketing

>Tank Heating

"We're committed to be the world leader in steam tracing technologies"

> Thomas W. Perry President

tperry@qmaxindustries.com 704-643-7299

Energy Savings

More heat energy is input into the crude instead of lost through insulation

Energy & Maintenance

Fewer steam traps means fewer potential for traps failed open or

Less steam/condensate infrastructure means lower maintenance costs and less energy loss.

QMax Fluid Tracing Systems

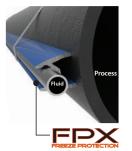
Best for most Steam Tracina



Best for most **Glycol Tracing**



Best for Freeze Protection



Best for Lona Run Hot Oil



Potential Savings *Labor not included

the tubing price)

Material Savings*

Input Unit Price

(4) Bare Tracers

(2) QMax Tracers

Tubing

\$4.00 / ft

24,000 ft

12,000 ft

\$48,000

Total Savings: \$155,000

Steam Traps

\$750

160

80

\$60,000

Pre-Insulated**

Tubing

\$8.00 / ft

8,000 ft

4.000 ft

\$32,000

Energy & Maintenance Savinas