

Hunt Refining uses QMax's steam tracing options

QMax Industries Inc.

QMax Industries Inc., based in Charlotte, North Carolina, is an industry leader when it comes to offering the most steam tracing options for refineries. The company specializes in process heating systems for industrial piping, vessels and equipment. From its patented, flagship QMax FTS for critical applications like liquid sulfur, sulfur vapors and asphalt to

"QMax's products are easy to use."

— James Rawson, Hunt Refining Co.

its patent-pending QMax FPX System to mitigate corrosion concerns, QMax offers a steam tracing system to fit the application. The company's systems are also proven to reduce energy consumption and capital costs, saving refineries time and money.

QMax has a focus on steam tracing systems that is hard to beat. Through continuous innovation, the company works

to help its customers maximize process efficiency and minimize downtime. Hunt Refining Co. in Tuscaloosa, Alabama, is one company that's used QMax steam tracing options for several years.

"QMax has supplied a unique design, improving heat tracing benefits when compared to typical installations," said James Rawson, logistics manager, Hunt Refining. "We steam trace and supply additional external heat to different piping circuits that need it. The QMax product is a good conductor to get more out of that heat tracing than just your typical tubing or piping that's up against a piece of pipe. QMax's products are easy to use, and you get better heat transfer from a product that's fairly simple to install."

QMax FTS

Heating and maintaining temperatures in process piping is very important to the reliability of sulfur, asphalt and vacuum tower bottom operations within refineries. QMax FTS combines performance comparable to jacketed pipe with the flexibility and value of standard steam tracing

to offer a high-performance steam tracing system. QMax performs thermal finite-element modeling to predict accurate temperatures, which ensures the process keeps flowing.

QMax FTS also reduces the leak potential of your steam tracing system. Jacketed pipe and carbon steel tracing systems are normally carbon steel and use flexible metal jumpers. Over time the carbon steel erodes, causing prolific leaking problems. Jumper hoses often leak at start-up and only worsen over time. QMax FTS uses stainless steel tubing with double-ferrule fittings so the leak potential is reduced by as much as 500 percent. For most piping systems, QMax FTS is one of the best overall heating solutions.

"We used QMax FTS for a vessel replacement where we had trouble maintaining proper temperature," said a reliability engineer for a major refining company. *"We chose QMax FTS because it has a better ability to maintain proper temperature versus what's conventionally used out in the refinery for heat*

tracing. QMax FTS has a better ability to transfer more heat accurately, and it has been operating with no issues.

"If you have a need for precise heat transfer and temperature control, QMax FTS is definitely superior over stainless steel tubing and other products on the market. If you have the need for large heat transfer, QMax FTS is especially better than what is out there, and I would definitely use it again."

QMax FPX

QMax FPX is the latest innovation from QMax. QMax FPX is a continuous steam tracing standoff, which mitigates hot spots associated with using steam tracing as a freeze protection system. Because QMax also performs thermal finite-element analysis, the system can ensure proper maintenance temperature without overheating the pipe wall or process. This reduces energy consumption and mitigates internal corrosion caused by traditional steam tracing.

For more information, visit www.qmaxindustries.com or call (704) 643-7299.



For Freeze Protection (<60°F)

Process

Tube Tracing

FPX
FREEZE PROTECTION



WE ARE THE STEAM TRACING AUTHORITY

No matter what your steam tracing application, QMax has a product to meet your needs and budget. From our flagship FTS System to our QMax FPX System for freeze protection, we have you covered. No other company focuses on steam tracing systems like QMax Industries.

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For Critical Applications (>180°F)

Process

Tube Tracing

FTS
FLUID TRACING SYSTEM



For Long-Run Hot Oil Tracing

Process

Carbon Steel Tracing

CST
CARBON STEEL TRACING

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For Medium Heat Applications (60°F - 180°F)

Process

Tube Tracing

LITE
LIGHT STEAM TRACING

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