



A HISTORY OF EXCELLENCE

At Purple Engineering, we have decades of experience developing the most advanced and efficient industrial heaters. Each piece of equipment we engineer is designed with an unwavering focus on durability, longevity, and safety. Our mission is to provide our clients across diverse industries with top-of-the-line, customized industrial heaters that enable maximum productivity and profitability. From thermal fluid heaters and asphalt to waste heat economizers and more, our extensive range of products is tailored to meet your specific needs.

THERMAL FLUID HEATERS

Purple Engineering's thermal fluid heaters are expertly crafted to exceed stringent benchmarks for both performance and efficiency. We offer the option of our efficiency serpentine coil or the more traditional helical coil, both designed with cutting-edge technology that ensures minimal service and maintenance needs. This makes them an ideal choice for a wide range of industries including biofuels, rubber and plastics, asphalt and roofing, chemical, refining, and tank terminals. Each of our thermal fluid heaters is tailor-made to meet the unique needs of our customers and comes in a range of sizes from 1.3 MM Btu/hr. to 40 MM Btu/hr. What's more, all of our heaters are ASME Code stamped for safety, ensuring complete peace of mind for our clients. Our heaters come as a complete, fully integrated system, which includes a radiant chamber with burner, recirculation pump, economizer, expansion tank, and integrated safety shutoffs.



ASPHALT HEATERS

At Purple Engineering, we've developed a diverse range of top-of-the-line asphalt heaters, each designed to meet a wide range of specific needs and applications, from A/C 20 to blown asphalt for roofing shingle production. Our heaters are manufactured in the USA with only the highest quality materials and are compliant with ASME codes, ensuring our clients have access to the safest, most efficient equipment available.



WASTE HEAT ECONOMIZERS

Purple Engineering is proud to offer innovative industrial waste heat recovery technology as standard in our serpentine coil thermal fluid heaters. Additionally, our cutting-edge technology is also offered with stand-alone economizers. Our waste heat economizers enable significant waste heat recovery for a variety of applications in the chemical, refinery, tank terminal, asphalt, and sanitary markets.



EXPANSION TANKS

Expansion tanks play a crucial role in managing thermal expansion that occurs when liquid is heated, preventing potentially hazardous situations by providing a safe outlet for increased pressure. Purple Engineering's expansion tanks are designed to facilitate efficient water and air venting during start-up and operation, making them an essential component in any processing system.



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