



DISTRICT HEATING

DISTRICT HEATING SYSTEMS

District Heating is a system for distributing heat generated in a centralized location through a system of insulated pipes for residential and commercial heating requirements such as space heating and water heating. The heat is often obtained from a cogeneration plant burning fossil fuels or biomass, but heat-only boiler stations, geothermal heating, heat pumps, and central solar heating are also used, as well as heat waste from nuclear power electricity generation. Chromalox Electric Steam/Hot Water Generators can provide higher efficiencies and are net zero products. According to some research, District Heating with combined heat and power is the cheapest method of cutting carbon emission¹.

¹ DAVE ANDREWS, [HTTPS://CLAVERTON-ENERGY.COM/CARBON-FOOTPRINTS-OF-VARIOUS-SOURCES-OF-HEAT-CHPDH-COMES-OUT-LOWEST.HTML](https://claverton-energy.com/carbon-footprints-of-various-sources-of-heat-chpdh-comes-out-lowest.html)

- Eliminates on site Scope 1 Emissions
- Eliminates Scope 2 Emissions when coupled with renewable power
- Drastically reduces maintenance costs & downtime
- Virtually 100% efficient conversion of energy to usable heat
- Removes complexity and cost of combustion sources
- Significant savings in life cycle costs

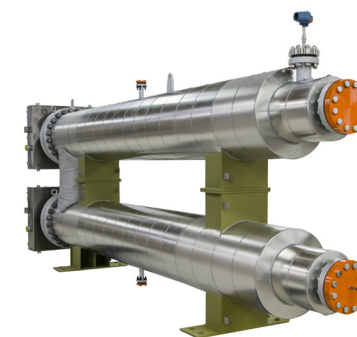


DISTRICT HEATING WITH CHROMALOX MV TECHNOLOGY

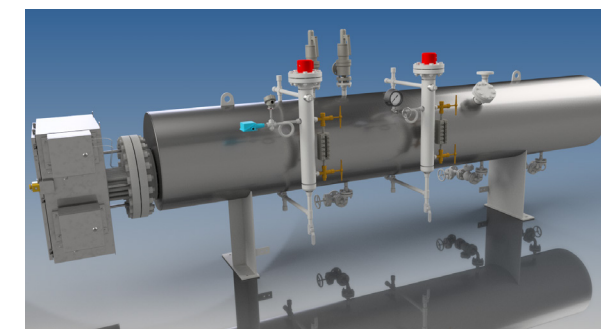
Chromalox DirectConnect process heaters and boilers utilizing medium voltage technology drastically reduce installation, operation, and maintenance costs for process heating and steam boiler applications. Medium voltage systems are engineered to provide precise control and are designed to operate for many years in service at voltages up to 7200 V. For the first time in history, the benefits of electric metal sheath element steam boilers are merged with the advantages of medium voltage operation. Since these units are electric they operate at virtually 100% efficiency and are a zero emissions product.

MEDIUM VOLTAGE TECHNOLOGY

HEAT TRANSFER SYSTEMS



HOT WATER/STEAM GENERATORS



POWER CONTROL ASSEMBLIES



