

Combustion, Heat Recovery and Pollution Control Equipment



A Division of Peerless Mfg. Co.

Combustion equipment including Low NOx burners for industrial, utility and commercial use, burners for waste fuels. Gas conversions for existing burner systems, Low NOx conversions. Combustion optimization for efficiency and emissions.



Duct burner equipment and systems for auxiliary firing of turbine exhaust in HRSG cogeneration applications. Gaseous, liquid and waste fuels capable. Burner management, fuel trains and cooling air skids are also offered.



Burners and combustion equipment for commercial and industrial firetube boilers, thermal heaters and small water tube boilers. Johnson burners are capable of providing ultra low NOx emission performance when necessary. Burners, fuel trains, burner management systems and controls are all offered.



Selective Catalytic Reduction systems for NOx and CO including NH₃ storage, flow control unit, injection grid, catalyst housing, catalyst material and SCR control equipment. Peerless systems are used to reduce emissions on gas turbine cogen, turbine simple cycle, industrial boiler and utility boiler exhaust.



Catalyst material for removal of NOx, CO and VOC's from gas streams resulting from the combustion of natural gas, fuel oil and solid fuels. Topsoe catalyst design allows for reliable and energy efficient installations for all pollution control systems in any size and configuration of duct.



Urea to ammonia conversion equipment using either solid urea or aqueous solution. The process includes the use of a catalyst which reduces energy consumption, speeds the reaction and minimizes impurities passed through to the process. Ammonia Storage, Handling and Metering Systems for SNCR.



Condensing Heat Exchangers utilizing waste heat to preheat boiler make up water, boiler feedwater or process liquids. Systems can include multiple sections with standard economizers and different process streams. Designs for natural gas fuel as well as sulfur and particulate bearing fuels.



Brazed plate heat exchangers that are compact and inexpensive compared to tube and shell or plate and frame type exchangers. Very high efficiencies even at low temperature difference. Custom solutions are available for district energy, HVAC and general industrial applications.



Process Heat Recovery Equipment including Air to Air Heat Exchangers, Process Gas Exhaust Heat Recovery, Dehumidification, Gas Cooling for volume reduction to increase pollution control equipment capacity.



Steel stack and breeching equipment including single wall and dual wall insulated stacks of either self supporting or structurally supported design including dampers, expansion joints and silencers. IES can provide all engineering, fabrication and installation services for a complete exhaust system.



Nationwide can provide trailer, mobile or skid mounted rental boiler equipment from 30 HP to 250,000 PPH with all required ancillary equipment and low emissions combustion when necessary.

