



Engineered Solutions to Industrial Applications

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With our extensive background in heat transfer and industrial applications, we are confident that we can find a solution to all of your industrial needs. Please contact your local office for an immediate response.

VISIT OUR WEBSITE AT www.thermalproducts.com

THERMAL PRODUCTS, Inc.

Air Compressors and Service



FS Curtis Compressor, a leading Rotary Screw Compressor manufacturer has a wide range of air flow, pressure and HP capabilities. The Nx Series is their latest and most technologically advanced rotary screw air compressor. Compact in design, robust in power, the Nx's smooth, quiet operation is ideal for a wide variety of applications ranging from Process, Light Industrial to Commercial. FS-Curtis' exclusive DemandSmart Energy Management System and eCOOL Technology increases operating efficiency and prolongs the life of parts and components.



Mattei Compressor



Mattei's advanced rotary vane technology features a single off-set rotor, supported by two, white metal Babbitt bushings and spins at but 1,800 rpm or less. Blades/vanes slide in and out of the rotor to form compression pockets.

A zero-wear Meehanite™ treating process prevents wear to the stator wall or the cast iron blades, which ride on a thin film of lubricant. Backed by a 10-year warranty, the rotor stator unit is exceptionally durable and efficient. It is common place to get more than 100,000 hours of service life out of Mattei's airends without a rebuild.

Regardless of your industry, Thermal Products, Inc has the right equipment for your process requirements. The dependability of our product line can satisfy even the most demanding and versatile clients.

Please contact us below for more information or if you need a quotation.

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PUMPS AND ASSEMBLIES

Thermal Products your single source for all your pump equipment needs. With an extensive selection of pump equipment available from around the globe—to include but not limited to: Weinman Pumps, Grundfos Pumps, Gusher Pumps, Travaini Vacuum Pumps, Roper Pumps and MP Pumps— our customers are certain to find the exact product they are looking for to satisfy their pump system needs.

Air Operated

- Versa-Matic
- Aro
- Warren Rupp / Sandpiper
- Wilden
- Yamada

Boiler Feed / Condensate

- Armstrong
- Bell & Gossett
- Taco
- Weinman

Chemical

- R.S. Corcoran
- Grundfos
- March Mfg
- MDM
- Oberdorfer
- Price Pump
- Procon Products
- Sethco Division
- Serfilco
- Worthington

Drum •

- Flux Drum Pump
- Lutz Drum Pump
- Jabsco
- Sethco Division

General Purpose

- Franklin
- Goulds
- Laing Thermotech

Myers

- Oberdorfer
- Weinman
- Berkeley
- Gusher

High and Low Viscosity

- Bowie
- Oberdorfer
- Roper
- Vican
- Viking

Hot and Coil Water Circulation

- Armstrong
- Bell & Gossett
- Taco
- Weinman
- Franklin
- Grundfos

Machine Tool / Coolant

- Gusher
- Graymills
- Grundfos
- Laing Thermotech
- Ruthman Gusher

Magnetic Drive / Seal-less

- Laing Thermotech
- Little Giant
- March
- Sethco Division
- Finish Thompson

Metering

- LMI
- Milton Roy
- Neptune

Piston Pumps

- Hypro
- Myers

Progressing Cavity

- Roper

Self Priming and Solid Handling

- Midland – Weinman
- Oberdorfer
- CH & E

Sump and Submersible

- ABS
- Franklin
- Grundfos
- Swaby
- Myers
- Wayne
- Weinman

Turbine Pumps

- Burks
- MTH
- Sherwood
- Vertical Turbine
- JLine

At Thermal Products, we provide sales and installation services, conduct research and make recommendations based on customers' specific pump equipment needs, and offer customers professional and expedited in-house repair services.

HEAT TRANSFER EQUIPMENT

API BASCO / WHITLOCK



API Basco / Whitlock are the largest names in heat transfer today with standard shell and tube designs ranging in size from 3" to 120" in diameter, and lengths up to 30 feet. These designs are available in a wide variety of materials including carbon steel, copper, copper/nickel, stainless steel, titanium and some of the more exotic materials. Pressure and temperature combinations are available in our standard designs up to 3500 psig and 1000°F. ASME, TEMA, API, ABS, PED, Chinese, DOSH, TUV, AD MERK BLATT and other code constructions are available.



API SCHMIDT-BRETTEEN



Schmidt-Bretten plate heat exchangers provide optimum heat transfer performance with lower surface area and lower capital cost. The unique design of the Schmidt-Bretten plate results in a very high heat transfer area. With high heat transfer coefficients and pure counter current flow, Schmidt-Bretten plate heat exchangers can cool hot fluids to within one degree of the cold fluid, making heat recovery in excess of 96% technically and economically possible. Unique features of the Schmidt-Bretten plate include lower liquid volume, minimal fouling, superior sealing, expandability and ease of maintenance. The plates are available in 300 series stainless steel, titanium and other high alloys. Brazed and welded plate designs are also available in a wide range of design pressure and temperature ratings, including the new all titanium brazed plate heat exchanger.



ENERQUIP



Enerquip specializes in heat exchangers for the food, dairy and pharmaceutical industries. Enerquip is an ASME Code Shop and can manufacture to the following standards if required; Dairy 3A Practice 605-04, Dairy 3A Standard 12-05, and ASME BioProcessing Equipment (BPE). These heat exchangers are available in a wide range of materials including stainless steel, inconel, monel, titanium and hastelloy.



THERMAL TRANSFER PRODUCTS



Thermal Transfer Products, for over 40 years has offered a broad range of standard "off the shelf" shell and tube and air cooled exchangers for Oil/Water/Air applications. Markets include Mobile, Industrial, and Process Industries. With options in Stainless Steel, Brass, Copper, Admiralty, 90/10 and Aluminum, Thermal Transfer has the right material fit for your application.



SMITHCO/AMERCOOL AIR-COOLED EXCHANGERS



Smithco/Amercool manufacture heavy duty air-cooled heat exchangers for industrial applications including the power generation and compressor markets. The Smithco/Amercool design has been proven with unique features such as heavy duty bearings, bolted construction and shoulder plugs with metal gaskets opposite each tube end. The Smithco/Amercool design uses the wrap-on fin design as standard but can produce the L-tension and embedded fin as an option. Header boxes are standard SA-516 Gr. 70 plate material but can also be supplied in stainless steel or other high alloy material if required.



HUDSON PRODUCTS AIR COOLERS



Hudson Products Corp has designed and manufactured air-cooled heat exchanger equipment for the process market. Fin-Fan® Air-Cooled Heat Exchangers, Hy-Fin® Extruded Finned Tubing, and Tuf-Lite® and Tuf-Lite II® FRP Axial Flow Fans for air coolers and cooling towers are also part of the product line. All air-cooled heat exchangers are custom designed by experienced heat transfer engineers in accordance with customer requirements and industry standards such as ASME, API and ISO.



IEA RADIATORS



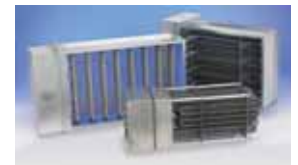
IEA has 75 years of combined experience in technology and service. They have a line of standard and custom designed industrial radiators. IEA's sales and engineering staff are equipped to handle special requirements. IEA has engine driven and remote driven models up to 85 square feet and designs for engines from 100 KW to 2000 KW in various stationary & mobile applications. IEA also has a complete line of oil/fuel coolers & optional equipment.



INDEECO ELECTRIC HEATERS



Indeeco designs and manufactures electric heating equipment and electronic controls for industrial and commercial applications. Indeeco's comprehensive product line contains both standard and custom designs for heating air, gases and liquids. From duct heaters to immersion heaters to fully integrated heat transfer systems, Indeeco has the right electric heating solution for you.



THERM-X



Therm-X manufactures packaged aluminum (bar & plate) and tube & fin exchangers for liquid or gas service to meet low pressure drop applications. The TX-A Series heat exchanger is an air-cooled unit that uses fan-drafted ambient air to cool or heat a process gas flow. The TX-L Series is used to cool liquids with fan-drafted ambient air. The TX-LG Series heat exchanger is used to either heat or cool process gas to within 10° F of the service fluid if desired.



LYNCHBURG AIR PREHEATER



Lynchburg Air Preheater (LAPCO) provides high quality custom engineered and designed heaters and coolers. LAPCO engineers and designs its products using state of the art technology and equipment. They apply the rules of ASME Boiler and Pressure Vessel Code, Section VIII, Div. 1 and Section 1, in conjunction with your designs requirements, to supply you with the best heat transfer products.



INDUSTRIAL HEAT TRANSFER



Industrial Heat Transfer (IHT) designs and manufactures high quality commercial and industrial finned-tube heat exchangers. IHT meets a wide range of challenges with complete success through quality performance and attention to detail. The plant is equipped with highly efficient, digitally operated, metal forming equipment. IHT also has 1.5 inch plasma cutting capabilities as well as tube forming to 1.5 inches. In addition to building quality products, they have a long history of being the first to meet the changing needs of our customer's welding requirements.

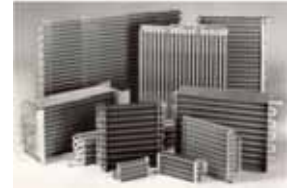


COILS

CANCOIL OEM COILS



Cancoil is one of North America's fastest growing manufacturers of OEM finned tube coils. Cancoil products are used in a wide range of applications including food processing, refrigerated warehouses, supermarkets, convenience stores, schools, hospitals, restaurants, health clubs, computer rooms and telephone exchanges. From water and refrigeration coils to dry coolers give us a call with your needs.



OMEGA THERMO TRANSFER

Omega Thermo Transfer is a leading manufacturer of high quality heat exchangers utilizing the proven technology of laser welding. Omega Thermo Transfer produce a wide variety of heated and refrigerated plates, including immersion plates, plate bank assemblies, clamp-on plates and jacketed shells. All heat exchange transfer surfaces and assemblies can be designed, fabricated, and stamped to meet ASME Code Section VIII, Div. 1.



REPLACEMENT COILS



The Plate Fin product line of standard coils have applications in Pulp & Paper, Power Generation, HVAC, Cold Storage, Food Processing and other general process industries. Coils can be constructed in a variety of materials such as copper, aluminum, copper-nickel, carbon steel, stainless steel and hastelloy.



PUMPS AND EQUIPMENT

PUMPS AND ASSEMBLIES



Whether you're searching for an HVAC Inline Pump, an Air Operated Diaphragm Pump or pumps for an industrial installation at Thermal Products, we want to make sure we meet all of your pump application requirements. By working closely with our customers through the pump selection process, they are guaranteed to receive high quality, efficient and economical fluid handling solutions that will yield the best results



PUMP REPAIR AND SERVICE



We offer full service pump and motor repair. Our factory trained technicians are experienced in servicing pumps, controls, valves and electric motors. Our service technicians are confined entry certified. Shop trouble shooting and/or repair service is available. Most repairs are completed within 48 hours. We also offer pump station re-hab services. Please call for further information!

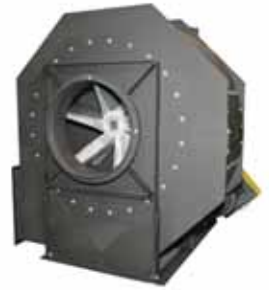


AIR MOVEMENT



HOWDEN AMERICAN FAN COMPANY

Howden American Fan offers one of the most complete product lines of fans in the Industry, and is able to develop customized air/gas/material movement solutions for a variety of industries. Our individualized engineering and excellent service lead the industry. The quality and value behind our fans and blowers make us the first choice in many markets. From standard "off the shelf" fans to fully engineered fans, we have the right solution for you.



CONTINENTAL BLOWER

Continental Blower handle and control air and gas for Industrial, Municipal or OEM applications, nothing compares with the multistage centrifugal blowers and exhausters from Continental Blower. Continental Blower offer a range of solutions for complete installations, accessories, controls, moneysaving retrofits and more. With superior service, experienced personnel and knowledgeable field support, Continental Blower continues to set the standard of quality.



COOLING TOWERS



ADVANTAGE POWER TOWER

Advantage Power Tower is made of fiberglass construction and are built especially for the Heating, Ventilation, Air-Conditioning and Refrigeration markets. Lightweight and compact, the Advantage Power Tower provides quick and easy installation. Jobsite assembly is simplified by the modular design of all components. Advantage Power Towers range in size from 45-540 tons.



DELTA COOLING TOWER

Delta Cooling Towers, Inc. designed the first engineered plastic (polyethylene) cooling tower in 1971. Since then Delta Cooling has improved and expanded "The Most Durable Corrosion-Proof Cooling Towers Available" to a full line of factory assembled cooling towers for any application. Cooling Towers for critical service applications that cannot afford maintenance costs and downtime of galvanized sheet metal towers. Delta's cooling towers come with an industry leading 20 Year Warranty on the unitarily molded cooling tower casing.



NOISE CONTROL PRODUCTS

ArtUSA INDUSTRIES

ArtUSA constructs enclosures and building systems for any environmental control situation. This includes, but not limited to, Sound Enclosures, Personnel Enclosures, Barrier Walls, Thermal Enclosures, Audiometric Testing Rooms, Punch Press Enclosures, Test Cells, Generator and Compressor Enclosures.



EQUIPMENT SENSORS & SAFETY CONTROLS

AMOT CONTROLS



Amot specializes in mechanical, hydraulic, pneumatic, electric, and electronic control components for the oil & gas, power generation, transportation and marine industries. This includes, but is not limited to, thermostatic valves, heavy duty switches and safety controls.



FLOW SAFE SUPPLY, INC.



Flow Safe Supply is a manufacturer of Enhanced Performance pressure relief valves, both spring and pilot operated. Standard and custom models are available including pressure relief valves with the ASME VIII UV stamp and European CE mark.



PROCESS HEATING/COOLING SECTION

ADVANTAGE ENGINEERING INC.



Advantage Engineering supplies well engineered and manufactured temperature control units and heat transfer equipment, including cooling tower cells, water chillers, water cooling systems, air cooled chillers, liquid chillers, chiller systems, portable chillers, pump tanks, and process chillers.



NIAGARA BLOWER



Niagara Blower, since 1904 has been known for the design and manufacturing of high quality wet surface air coolers for process and power industries. The unique design of the Niagara unit allows an approach of 10° F to the wet bulb temperature instead of the dry bulb temperature. This allows the customer to cool the fluid to a much lower temperature than other types of cooling towers, while considerably minimizing or reducing make-up water.



HEATEC DIRECT FIRE HEATERS



Heatec specializes in heating and storage equipment. Heatec's products are widely used in the production of HMA (hot mix asphalt). Products for the HMA industry include helical coil heaters, direct-fired heaters, vertical and horizontal storage tanks. Heatec industrial products include heaters, vaporizers and heat recovery units. The heaters are either horizontal or vertical and have either helical coils or serpentine coils.



PROCESS COMBUSTION



PCC has designed and manufactured incineration, combustion, heat transfer and pollution control systems to various industries. Our market is the design, engineering, and supply of thermal oxidizers, afterburners, incineration, air heaters and specialty combustion systems to the chemical, petrochemical, refining, automobile, pharmaceutical, manufacturing, textile, rubber, metals, food, wood products, sulfur, carbon, and the pulp and paper industries.



FILTRATION / BELLOWS / SEPARATION / DRYING EQUIPMENT



WM. W. NUGENT & CO., INC.

Nugent ASME Code Filters and Strainers are designed to meet specifications dictated by OEM's, oil companies, and engineering firms. Some standard features include cover swing bolts for easy maintenance, cover O-rings for a leak-free cover seal and heavy duty carbon steel bodies. Non-code simplex and duplex filters are also available.



LECTRODRYER

Lectrodryer is a principle supplier to chemical processing plants and oil refineries all over the world with quality drying systems. Lectrodryer plays a vitally important role in solving the drying and purification challenges of industry with a heavy emphasis on the power industry. Currently Lectrodryer serves such markets as compressed air, chemical processing, gas manufacturing and refining, solvent drying, sewage/water treatment, and power generation. It has designed and manufactured units for every major generator manufacturer and is a leader in providing new control technology.



PECO

PECO offers a full line of gas filters and coalescers for gas distribution, regulator stations, instrument gas, and a variety of other dry gas filtration applications. PECO coalescer applications include desiccant bed protection, compressor lube oil discharge removal, feed gas filtration, process liquid reclaiming, and general low surface tension mist removal. All Filters are designed in accordance with ASME VIII Div. I.



BELLOWS AND EXPANSION JOINTS

Our customers know they can count on us to support them with single ply bellows, multi-ply bellows, or complete bellows expansion joint solutions for their customer's requirements—no matter what the challenge. Thermal Products Inc is committed to supplying the best products and providing optimal solutions. Engineering and design is done per EJMA equations as well as per the latest revisions of the ASME.



NORTH AMERICAN FILTER COMPANY

North American Filter designs, develops and manufactures filtration products used in the hydraulic and industrial market. Every Quality Filtration cartridge and spin-on product meets or exceeds the specifications of a broad range of Original Equipment Manufacturers (OEM's) including: Pall, Donaldson, Schroeder, Parker, PTI, Fleetguard and Hydac/Hycon.



CLARK-RELIANCE / SEPARATORS



Clark-Reliance offers a complete line of Oil & Gas Separators that use the best devised methods to produce gas-free liquid and liquid-free gas. Our Dry Gas Filters and Filter Separators are designed for the high efficiency removal of unwanted contaminants (liquids and solids) from a gas stream. Our complete line includes In-Line Vane Separators, Vertical Gas Separators, Filter Separators, Coalescer Filters, Centrifugal Separators, Multi-Cyclone Separators and Exhaust Heads for Industrial Stacks.



MATERIAL STORAGE



FRP AND METALLIC TANKS

Corrosion Technologies, Inc. custom designs, manufactures and services corrosion-resistant products made from Fiberglass Plastic (FRP). We specialize in Hand Lay-up fiberglass design, engineering and manufacturing, with decades of experience with fiberglass tanks, piping, dual-laminates, duct, stacks, scrubbers and all sorts of custom made product for the OEM markets.



THERMAL PRODUCTS, Inc.

Heat Exchanger Cleaning, Retubing & Repairing Services



BEFORE



AFTER



- Heat Exchanger Cleaning
- Re-tubing and repair of shell and tube heat exchanger from any material (copper, brass, stainless steel, copper nickel, titanium)
- Hydrostatic testing
- Emergency turn-around available
- **COMPLETE ON SITE SERVICE IS AVAILABLE FOR CLEANING AND TESTING OF ANY TYPE OF HEAT EXCHANGER**

SERVICE & SALES OFFICE

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NOTES

HEAT EXCHANGER INQUIRY FORM

PROVIDE THE INFORMATION BELOW FOR A FAST AND ACCURATE RESPONSE

Company _____
 Address _____
 City, State, Zip _____
 Phone _____ Fax _____
 Contact _____
 Email _____

- AIR COOLED EXCHANGER
- SHELL AND TUBE EXCHANGER
- PLATE AND FRAME EXCHANGER
- BRAZED PLATE COPPER/NICKEL

	HOT CIRCUIT	COLD CIRCUIT
Fluid Circulated		
Liquid - GPM or #/hr		
Gas - CFM @ _____ PSIA & _____ °F _____ % R.H.		
Steam - #/hr		
Specific Gravity (Liquid)		
Molecular Weight (Gas)		
Viscosity @ _____ * F (SSU or cp)		
Specific Heat - Btu/lb		
Operating Pressure (PSIG or PSIA) circle one		
Temperature In - °F		
Temperature Out - °F		
Pressure Drop Allowed - PSI		
Fouling Factor		
Heat Transferred - Btu/hr		
ASME Stamp Required Yes / No circle one		
TEMA Requirements (shell & tube only) Yes / No circle one Type _____		
Electric Requirements (Air Cooled only)		
Mounting Requirements Vertical / Horizontal		
Space Limitations		

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