



# **THERMAL PRODUCTS** INC.

**Engineered Solutions to Industrial Applications**

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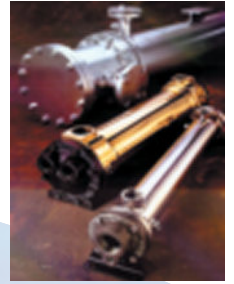
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# HEAT EXCHANGERS

## 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.



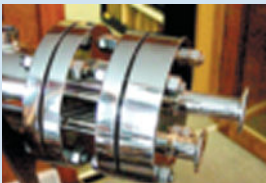
## API SCHMIDT-BRETEN



**Schmidt-Bretten** plate heat exchangers provide optimum heat transfer performance with lower surface area and process temperatures to within one degree of cold side, offering higher heat transfer areas. Unique features of the Schmidt-Bretten plate include lower liquid volume, minimal fouling, expandability and ease of maintenance. Plates are available in stainless steel, titanium and other higher alloys. Brazed and welded plate designs are also available in a wide range of design pressure and temperature ratings.



## 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.



## FABSCO AIR-COOLED EXCHANGERS



**FABSCO** manufactures heavy duty air-cooled heat exchangers for industrial applications including the power generation and compressor markets. FABSCO 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.



## AKG THERMAL SYSTEMS



**AKG Thermal Systems** offers a wide variety of brazed Air-cooled aluminum coolers for Oil, Air (compressed and charged air) and Water/Glycol mixtures. Some applications include Oil Cooling, Glycol cooling, Air/gas cooling for the industrial, air compressor and process markets. Using a aluminum Bar and Plate design affords higher heat transfer rates reducing footprint dimensions for your skid or manufacturing floor.



## 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.



# REPLACEMENT HEAT EXCHANGER & TUBE BUNDLES

Thermal Products can offer direct replacement heat exchangers and tube bundles for many manufacturers or to your engineered drawing. Simply supply the manufacturer's complete model number or drawing and Thermal Products will provide our customers with new heat exchangers or tube bundles that are of the same (or greater) quality than the original. We do this all while matching the dimensions and performance of your existing unit.

Thermal Products can cross reference your heat exchanger or tube bundle from the following Manufacturers and more...

- Adamson
- Armstrong
- Graham
- Patterson-Kelley
- Thrush
- American Standard
- Bell & Gossett
- ITT Standard
- Reco
- Yula
- A.O. Smith
- Cemline
- Old Dominion
- Taco
- Basco
- Ketema
- Allegheny Bradford
- Enerquip
- Xylem
- Thermal Transfer
- American Industrial



We can build your new Heat Exchanger or Tube Bundle with Copper, Copper-nickel, Carbon Steel and Stainless steel tubes. If you need higher alloys, we can provide that also.

RUSH/EMERGENCY SHIPMENTS are available when delivery is critical. Standard "Quick Ship" delivery and "Emergency" ship times are available.

Heat Exchangers and Tube Bundle capabilities include, but are not limited to:

- 3" nominal to 60" nominal
- U-Tube or Straight Tube (Fixed Tubesheet or Floating Tubesheet)
- Tank Heater Tube Bundles
- Fuel Oil Heater Tube Bundles
- Double Wall Vented Tube Bundles
- Heads & Bonnets
- A.S.M.E. Stamping Available



Not Sure How to **MEASURE A TUBE BUNDLE?**

**Check out our printable tube bundle dimension sheets on our website!**

Thermal Products engineering and sales staff will assist you with designing and sizing your new heat exchanger or tube bundle. We can fabricate to your specifications, cross-reference your current make & model or take on-site measurements.

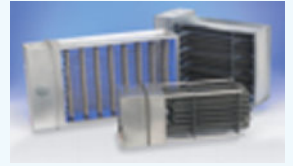
Contact us today so we can diagnose your tube bundle free of charge.

# ELECTRIC HEATERS

## 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.



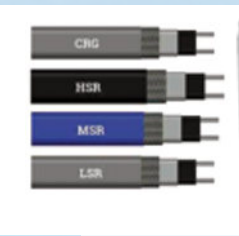
## INDEECO UNIT HEATERS



**Indeeco** offers electric unit heaters with optional controllers that set the standard for performance and quality. With our partners, Thermal Products offers a complete line of explosion-proof and fan-forced electric unit heaters. The product line includes *Ultra-Safe™ EXP and Compact* explosion-proof unit Heaters; an explosion-proof convector; the Triad washdown & corrosion resistant unit heater; and several types of standard unit heaters. We know down-time is costly, that's why we offer a Quick-ship delivery program to fit your schedule.



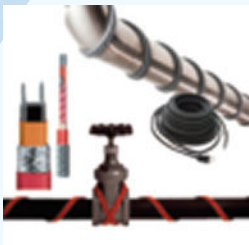
## INDEECO HEAT TRACE



**Indeeco** offers a complete line of Heat Trace products for the most demanding freeze protection, temperature maintenance, snow melting, de-icing and specialty applications in Industrial and Process Markets. These products are designed and manufactured to the strictest industry standards and are third-party approved for use in hazardous Industrial areas.



## BRISKHEAT



**BriskHeat** manufactures flexible surface heating elements and controls / accessories for unlimited applications. Petrochemical, semiconductor, food processing, biotech, aviation, steel, laboratory, power generation and many other industries have found their solution with their heating products. A broad range of experience in solving your applications for viscosity control, condensation prevention, process heat, and freeze protection has allowed BriskHeat to become the world-wide leader in flexible surface heat and heat trace applications for piping, vessels, pumps, valves and other objects.



## BACKER MARATHON HEATERS



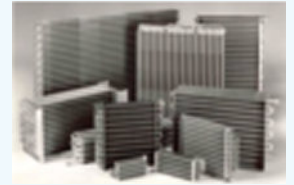
**Backer Marathon Heaters** is a manufacturer of high quality electric heating elements and sensors. Backer Marathon manufactures various types of heaters including cartridge heaters, strip heaters, band heaters, air heaters, flexible tubular heaters and coil heaters. Backer Marathon also manufactures mineral insulated and general purpose Thermocouples for all industries. Whether you need just one piece or thousands, we can assist you with that need and get the right heater or sensor to you in the needed time frame.



# 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 produces 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.



## 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 design requirements, to supply you with the best heat transfer products.



# PUMPS AND PUMP SKIDS

## PUMPS AND ASSEMBLIES

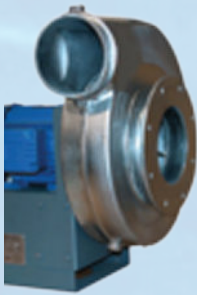
Whether you're searching for a Water or Glycol Inline Pump, an Air Operated Diaphragm Pump or pumps for an industrial or process installation at Thermal Products, we want to make sure we meet all of your pump application requirements. By working closely with our customers through the pump selection process, they are guaranteed to receive high quality, efficient and economical fluid handling solutions that will yield the best results. All pumps can be packaged on a skid with a heat exchanger, filtration and interconnecting piping and valves when your application calls for this requirement.



## 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 offers a range of solutions for complete installations, accessories, controls, money saving 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.



# 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.



# NOISE CONTROL PRODUCTS

## ArtUSA INDUSTRIES



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



## GT EXHAUST

**GT Exhaust**, for over 30 years, has been a world-class supplier of solutions for sound attenuation and emissions suppression. GT Exhaust specializes in producing both standard and custom exhaust silencers, working to meet any space or regulatory specifications required. We pride ourselves on being able to meet your needs and surpass your expectations through their extensive knowledge and experience. Whether your application requires a pre-engineered exhaust silencer or one of GT's ETO (Engineered To Order) products or one of their accessories, from exhaust tubing to expansion joints to thimbles and rain caps, with their proven reliability we assure you satisfaction.



## SILEX SILENCERS

**Silex Blower** silencers are required in many applications such as industrial processing and wastewater treatment. Silencers applied to blower applications will take on different configurations based on the specific noise that needs to be attenuated. Silex Blower silencers are regularly applied to both the intake and discharge sides of a blower. With thousands of blower silencers sold to date, Silex Blower silencers is an industry expert in meeting blower silencing needs.



# 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.



## HEATEC DIRECT FIRE HEATERS

**Heatec** manufactures gas fired Thermal Fluid heaters and with pump, tanks, valves and controls packages for the tightest of applications. With gas, fuel oil or electricity as the heat source, Heatec has the right product for your application. Heatec builds fired thermal fluid heaters and process heaters in outputs from 0.5 to 125 million Btu/hour. These thermal fluid heat transfer systems serve various industries.





# MIXERS / MATERIAL STORAGE

## POLY AND METALLIC TANKS



Thermal Products supplies off-the-shelf custom designed corrosion-resistant products made from Fiberglass Reinforced Plastic (FRP). We specialize in Hand Lay-up fiberglass design, engineering and manufacturing, with decades of experience in fiberglass tanks, piping, dual-laminates, duct, stacks, scrubbers and a variety of custom made product for the OEM markets.



## BRAWN MIXER



**Brawn Mixer** liquid systems are engineered to specific processing requirements of each mixing application. High-performance materials of construction and build specifications ensure reliability; proper design and engineering increase operating efficiencies; and extensive process expertise improves output quality. Brawn mixers are engineered to meet the most demanding application requirements and processing environments, from lab-scale mixers to large-scale integrated mixing systems, with solutions that are effective, reliable, and cost-competitive.



# FILTRATION / SEPARATION / MIXING 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.



## NORTH AMERICAN FILTER COMPANY



**North American Filter** designs, develops and manufactures filtration products used in the hydraulic and industrial markets. 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.



## KAYDON FILTRATION



**Kaydon Filtration** is a complete filtration and coalescing equipment provider for oil, fuel, water, gas, and air applications. Kaydon Filtration designs and manufactures stand-alone filtration equipment and complete filtration packages to keep your rotating equipment operating smoothly. As a business unit of Filtration Group, Kaydon Filtration is your best choice to seek product advise and selection for any filtration or coalescing application you might have.



# **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**

**VISIT OUR WEBSITE AT [www.thermalproducts.com](http://www.thermalproducts.com)**

# NOTES





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