

EpS

Industrial - Marine Air Conditioning and Refrigeration

Engineered Packaged Systems, Inc., formed in 1984, is a privately owned corporation that specializes in Industrial Process Refrigeration as well as Marine Refrigeration and Air Conditioning. EpS, a licensed Carrier Transicold dealer and manufacturer, can custom design, modify, service and install recovery systems, refrigeration and air conditioning units as well as industrial process refrigeration equipment.

CUSTOM FABRICATION

Being a custom builder, EpS works with the customer to provide the exact system desired. Each custom package can utilize special materials or coatings and can meet any electrical classification required by our customers, including explosion proofing. EpS works with engineers that have the expertise to select the proper components to optimize energy consumption, provide excellent reliability and ease of operation.



R22, 248 Ton Dual Process Refrigeration Unit controlled by two FES MicroMaster panels and insulated with polyurethane with stainless steel jacketing.

SALES - Parts and Equipment

The Parts Department at EpS specializes in marine, commercial and industrial equipment and parts. EpS can supply everything you need to get your equipment up and running to minimize downtime. EpS also has freezer rental units to keep you going while your equipment is being repaired. Our sales department can be contacted 24 hours a day, 7 days a week at 409-866-5213.



SERVICE

EpS provides a 24 hour worldwide service department consisting of highly trained technicians. EpS offers competitive rates and has the resources to provide installation and service that is second to none. EpS can provide field start-up, operator training and field service for all types of refrigeration and air conditioning systems.

CUSTOM SPECIFICATIONS

From new types of refrigerants to new computerized controlling systems, EpS has the expertise and knowledge to meet any specifications our customers may have.

Compressors

Screw, reciprocating, scroll, and rotary

Motors

TEFC, NEMA enclosed, 4160, 460 and 230 volt

Heat Exchangers

DX and Flooded shell and tube chillers and evaporators

Air-cooled and water-cooled condensers

Insulation

Polyisocyanurate[®], Armaflex[®] and Foamglass[®] insulation

Coatings

Heresite[®], Epoxy, Imron[®], Dimetcote[®]

Materials

Stainless steel, copper and carbon steel piping
Stainless steel sheetmetal, housings and control panels

Refrigerants

R-22, R-134a, R-404a, R-717 (Ammonia), R-507, or customer specified

Controllers

FES MicroMaster[®], PLC SLC500[®] and electro-mechanical

Hazardous Environments

Class I - Division I and II explosion proofing

EpS designs and builds custom refrigeration equipment to meet the customer's exact needs.

Each EpS custom designed package is constructed on a structural steel base, can utilize special materials or coatings and can meet any electrical classification required by our customers. Our craftsman assemble the components with the care that comes from years of experience in field-installation, operating, and maintaining refrigeration systems.



The unit above utilizes an FES screw compressor package, an air cooled oil cooler, and an air cooled condenser to provide 1200 SCFM for a fuel gas pre-treatment application. The skid was completely decked per the customer's request.

Designed with serviceability and maintenance in mind.

EpS uses computer aided drafting in designing each unit to ensure proper placement of serviceable parts and equipment. Regular maintenance is quicker and easier because valves, drier cores, filters, and electronics are all within easy access.



This is a mobile ammonia recovery/transfer unit for a local petrochemical company. It consists of a road legal trailer with a 1300 gallon recovery tank, a water cooled Mycom compressor, Ketema evaporator and Class I Division II explosion proof control panel. This unit can pump out a unit containing ammonia refrigerant and then transfer it or store it while the unit is shut down.



Class I, Division II
Control Panel



The 400TR Glycol Chiller to the left is physically the largest unit EpS has built. Measuring at 27 feet long, 15 feet wide and over 13 feet tall, this unit weighs in at over 23 tons shipping weight and 32 tons operating weight. Compression is provided by an FES 650S compressor package with a 600 h.p. motor. It has a Ketema flooded chiller, water cooled condenser and a 560 gallon receiver. This truly shows the capacity of our fabrication shop and workmanship.



Class I, Division
I, Condenser



Marine
Condenser



The marine units above were specially built for an offshore drilling platform. The unit on the left is a seawater cooled condenser and the unit on the right is an air cooled condenser with copper coils. Both units are specially coated to withstand the corrosive marine conditions.



140 Ton Duplex Marine
Chiller Unit

EpS can provide field start up, operator training and field service on all types of refrigeration systems. Contact your representative for additional information on the wide range of EpS services and support that are available.

PARTS and EQUIPMENT

EpS has been providing companies worldwide with parts and equipment sales, service and technical information for over 20 years. We carry the top name-brand parts and equipment for air conditioning and refrigeration. Below is a list of the equipment we supply as well as a breakdown of the brands we carry. Please contact our sales department by phone at 409-866-5213 or by email at sales@engpkgsys.com to place an order or to answer any questions you may have.

CHILLERS

EpS, Carrier, Bohn, Ketema, Dunham-Bush, Heatcraft

COILS

Ketema, Heatcraft, Krack, McQuay, USA Coil, Carrier

HEAT EXCHANGERS

ACME, Carrier, Dunham-Bush, Heatcraft, Packless, Chil-Con, Ketema, Standard Refrigeration

PUMPS

Goulds, Bell & Gossett, Pacific

COMPRESSORS

Carrier, Dunham-Bush, Grasso, Blitzer, Trane, York, Copeland, Tecumseh, Howden Screws

MOTORS

Baldor, Marathon, US Electric, General Electric, Universal, Reliance, Siemens

ICE MACHINES

Scotsman, Crystal Tip, Manitowoc

MARINE FREEZERS

EpS - Sales and Rentals

REFRIGERATION SUPPLIES

Totaline, Johnson Controls TIF and Weksler Instruments Ashcroft Gauges, Robinair Reclaimers, compressor oil, and every type of freon.

ELECTRICAL CONTROLS

Carrier, York, Trane, Penn, GE, Danfoss, Westinghouse, Square D, Detroit Switch, Allen-Bradley

VALVES

Henry, Danfoss, Metrex, Penn, Sporlan, Alco



EpS

**Industrial - Marine
Air Conditioning and Refrigeration**

**P.O. Box 3644 Beaumont, TX 77704
Tel: (800) 750-6028 or (409) 866-5213
Fax: (409) 860-3428 www.engpkgsys.com**

REPRESENTED BY
FES - SOUTHWEST, INC.

19221 IH-45 SOUTH, SUITE 340
CONROE, TEXAS 77385-8727
HOUSTON (281) 296-7820 • FAX NO. (281) 296-7177
DFW AREA (817) 594-8425 • FAX NO. (817) 594-0302