



# Specialists in ASME Pressure Vessels



Member of  
**iiar**  
International Institute of  
Ammonia Refrigeration  
www.iiar.org

**IARW** International Association of  
Refrigerated Warehouses





*RVS Corporation, Bryan, TX.*

Refrigeration Vessels and Systems Corporation (RVS) was founded in 1983 as an ASME pressure vessel manufacturer serving various industrial applications. In 1994, EVAPCO, Incorporated acquired RVS as a wholly owned subsidiary. EVAPCO's industry leading heat transfer products along with engineering innovation and financial strength enabled both companies to increase their market share.

Over the years, RVS has expanded and modernized its manufacturing facility and capabilities. In 2014, RVS completed a comprehensive expansion which now includes 100,000 square feet of manufacturing space and office complex. At the core of RVS's success is the integration of decades of engineering design expertise and manufacturing capability in meeting customer specifications and needs.

RVS is recognized as the customer preferred leading supplier of pressure vessels and packaged systems to the industrial refrigeration market. These products are used for a variety of refrigerants such as ammonia, CO2, propane, and various halocarbons in food and beverage processing and cold storage warehouses.

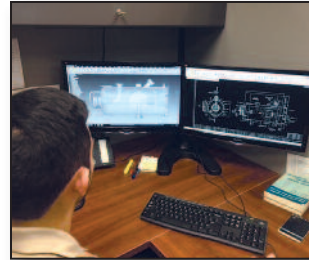
RVS serves the oil and natural gas industry with experience in custom fabrication of pressure vessels and packaged systems for phase separation, water filtration, natural gas liquefaction and petrochemical refrigeration. With 100 TON lifting capacity, RVS can handle a broad range of products including towers of large diameter and length.

RVS is an employee owned company with a dedicated team committed to excellence. RVS partners with industry leading material and component suppliers who share this commitment. Manufacturing superior quality products, providing friendly industry leading service and on-time delivery are what make RVS the specialists in ASME pressure vessels.



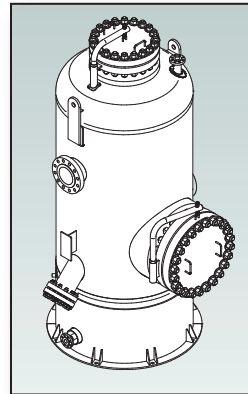
*100,000 sq. ft. Manufacturing Facility and Office Complex*

## Engineering Design



SolidWorks 3D modeling is used in the engineering design of each vessel to ensure there are no interferences between the vessel layout and customer specified internal components.

Precision is engineered into every product from concept and specifications to 3D model, from 3D model to manufacturing, from manufacturing to completion and delivery at the jobsite.





## Oil and Natural Gas Industry



**108" OD x 540" SM/SM Propane Receiver**



**48" ID x 936" SM/SM Contactor Tower Ready for Shipment**



**42" ID x 242" SM/SM Stainless Steel CO2 Water Wash Column with Ladders and Platforms**



**54" ID x 84" SM/SM Mercury Guard Bed & Scrubber**



**72" ID x 756" SM/SM Insulated Stabilizer Tower**



**Water Filtration Skid**



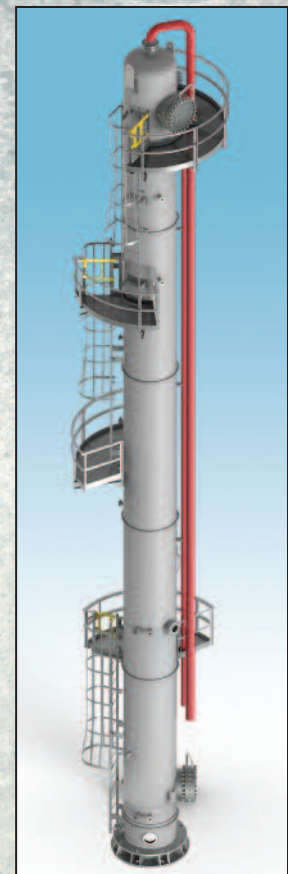
**48" OD x 180 SM/SM 3-Phase Separators**



**120" OD x 600" SM/SM Mixed Refrigerant Surge Drum**



**73-1/2" ID x 254" SM/SM Dryer Vessel**



**Vertical Amine Contactor Complete With Ladders, Safety Cages, Platforms, and Down Comers**



## Industrial Refrigeration Industry



**MRP Horizontal and Vertical Pumped Liquid Recirculator Packages**



**MTP Pumped Liquid Transfer Package**



**MVI Intercooler and MVA Accumulator Packages**



**MPC Plate Chiller Package**



**Refrigeration Skid Package**



**168" OD x 600" OAL Pumped Liquid Recirculator Package**



**Pump Recirculator Package and High Pressure Receiver**



**180" Diameter Stainless Steel Cone Head Recirculator**



**Premier Supplier of Industrial Refrigeration Vessels and Packages**



**Custom 180" Diameter Vessel**



**Matrix II Microprocessor Control**



**Matrix LTC Liquid Transfer Control**



**Matrix LLC Liquid Level Control**

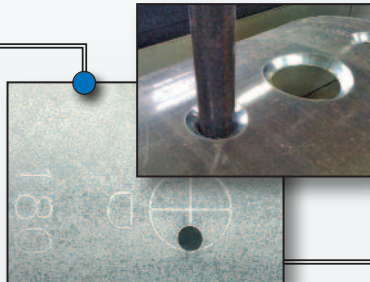
The Matrix II, Matrix LTC, and Matrix LLC use the latest in microprocessor technology and represent RVS's commitment to innovation. The Matrix II and Matrix LTC provide total control solutions for Recirculator and Transfer Packages with pumps. The Matrix LLC provides liquid level control only for Recirculator, Accumulator, Intercooler, Liquid Transfer and Chiller Packages and/or vessels. Factory packaging, wiring, programming, and testing ensures quality and provides a single point power connection for fast and simplified start-up.



# Manufacturing Capability



**5 Axis CNC Plasma Machine**



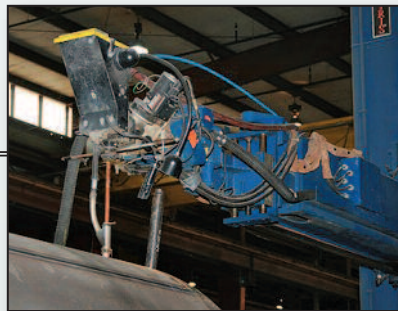
**Etches Critical Features, Cuts & Bevels  
Holes in Plate, Shell, Pipe and Heads**



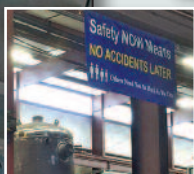
**Plate Bending With Expanded Capacity to  
Roll Up to 10 Foot Wide x 1.5" Thick Steel  
Shells in 30" to 156" Diameters**



**Three PLC Submerged ARC Welding Systems with 3-Axis Motion Control and a Direct View Vision System to Control Seam Welding and Provide Real Time Inspection at 10x to 25x Magnification**



**Three Manufacturing Bays, Twenty-Nine  
Vessel Welding Stations and Ten Overhead  
Cranes with Hoist Capacity of 200,000 lbs.**



**Veteran Crew of ASME Certified Welders and Other Mechanics Form the  
Manufacturing Team Focused on Quality and Safety**



**21' W x 25' H x 50' State-of-the-Art  
Paint Booth with Climate Control  
for a Professional Finish**



EVAPCO PRODUCTS ARE MANUFACTURED WORLDWIDE.



- World Headquarters/ Research and Development Center
- EVAPCO Facilities

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