Creation in

Specialists in ASME Pressure Vessels











Refrigeration Valves 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 a customer's 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. In addition, RVS serves the oil and natural gas industry with pressure vessels and packaged systems for water filtration, natural gas liquefaction and petrochemical refrigeration.

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



Solid Edge 3D modeling is used in the engineering design of each vessel to insure 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.







Engineering Precision • Manufacturing E

Manufacturing Capability



5 Axis CNC Plasma Machine



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





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





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

xcellence • Superior Quality Products





RVS Can Supply Carbon and Stainless Steel Vessels from 4" to 180" Diameter, Various Lengths and Temperature Applications, Packaged Skid Systems Including Controls



Mercury Guard Bed & Scrubber



Water Filtration Skids



120" x 600" Mixed Refrigerated Surge Drum





Dryer Vessel



Vertical Amine Contactor

Industrial Refrigeration Industry



Horizontal and Vertical Liquid Recirculator Packages





Intercooler and Accumulator Packages



Plate and Frame Chiller Packages



Refrigeration Skid Package



Custom 168" x 600" Horizontal Pumped Liquid Package



Pump Recirculator Package and High Pressure Receiver in IIAR 2 Spec Colors



180" Diameter Stainless Steel Cone Head Recirculator



Custom 180" Diameter Vessel



Matrix Microprocessor Control



Matrix LLC Level Control

The Matrix and Matrix LLC use the latest in microprocessor technology to provide a total control solution for Recirculator Packages and level control for refrigeration vessels. Factory packaging, wiring, and testing provides a single point power connection on-site for fast installation and simplified start-up.



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Product group from well-managed forests, controlled sources and recycled wood or fiber

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