

# AFTERMARKET PARTS, SERVICES & SECTIONS



Specialists in ASME Pressure Vessels



# Get to Know RVS



For over 40 years, Refrigeration Vessels and Systems Corporation (RVS) has been a leading producer of ASME pressure vessels and packaged equipment for the Industrial Refrigeration market as well as various industrial applications. In 1994, EVAPCO, Incorporated acquired RVS as a wholly owned subsidiary to enhance its industry leading, full spectrum of heat transfer products, engineering innovation, financial strength, and success.

At the core of RVS's success is a team of dedicated employees committed to excellence and continuous improvement. For decades, the RVS team has integrated its engineering design and manufacturing expertise into building the highest quality products available backed by the industry's best customer service – including a comprehensive number of aftermarket solutions for parts, services, and sections.

RVS welcomes the opportunity to partner with its customers to expand their capabilities. Together, a partnership can provide cost effective aftermarket solutions that address the constant challenges encountered in maintaining system operation in the face of plant expansions, retrofits, technology advances (and obsolescence), as well as changing regulatory compliance requirements, standards, and inspections. RVS has the solution.

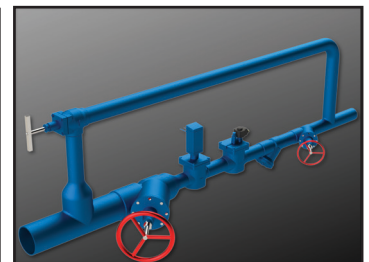
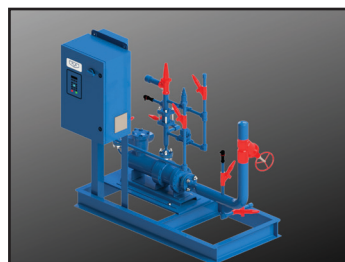
## PARTS



## SERVICES



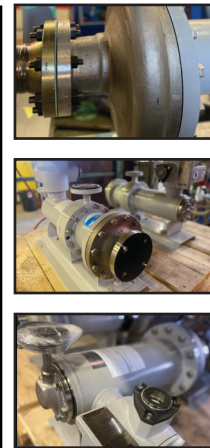
## SECTIONS





## Pumps

All RVS standard model ammonia recirculation pumps are in stock including high differential ALP transfer and retrofit pumps. Associated pump flange kits, gasket kits, fastener kits, and bearing wear replacement kits are also in stock. All in stock items are ready for quick shipment.



## RVS Controls

RVS maintains a complete stock of all Matrix II control panel replacement parts and components. Complete Matrix LTC and LLC control panels are also in stock. All in stock items are ready for quick shipment.



## Accessories and Components

RVS maintains an extensive inventory of vessel and package related accessory and component parts - from valves to probes to touch-up paint - for immediate replacement or on-the-shelf spares. All in stock items are ready for quick shipment.





# Services

## Vessel Re-Rating

In many cases, RVS may be able to perform vessel re-rating for any manufacturer's vessel – just send a photo of the existing ASME nameplate for review and determination. Re-rating may include:

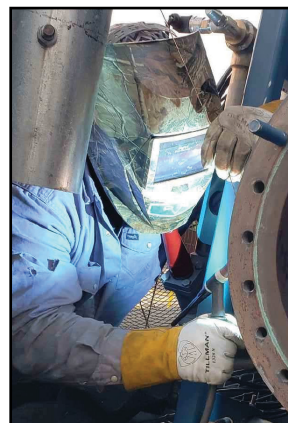
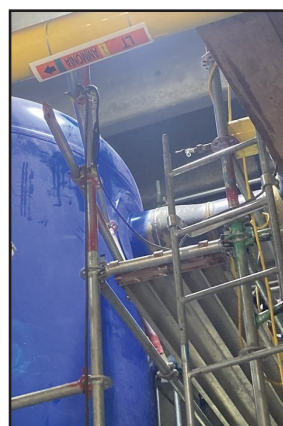
- Increased Design Working Pressure (DWP)
- Lower Minimum Design Metal Temperature (MDMT) and/or "Dual Stamp"
- Increased Design Temperature
- Full Vacuum Rating



## Alterations & Repairs

RVS is R-Stamp authorized and has the expertise to perform:

- Adding, Replacing, or Modifying Nozzles, Sumps, Structural Attachments, Piping
- Base Metal Repairs Due to a Defect or Corrosion
- Field Retrofits – Add or Change Recirc or Transfer Pump, Add an MTRP Skid or Other Section, Add or Replace Controls and Required Components
- On-site NDE - Coordinate AI Inspection - Add R-Stamp Nameplate When Applicable





# Services

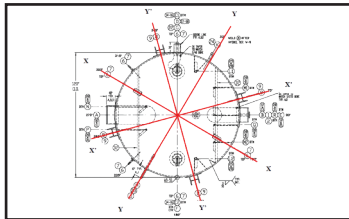
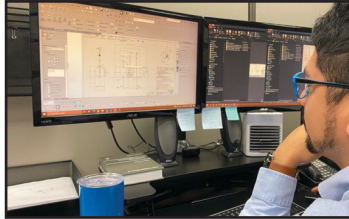
The  
Natural Leader



## Engineering Services

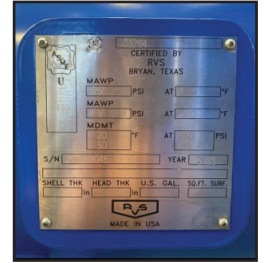
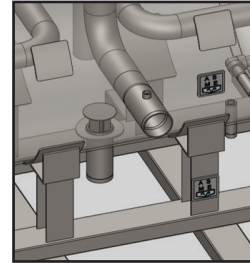
RVS performs the required vessel code calculations to support the execution of re-rates, alterations, repairs, and nameplate services. In addition, RVS can provide stand-alone engineering services such as:

- PE Stamp Certified Drawings
- Nozzle Load, Seismic, Wind, Snow, and/or Anchorage Calculations
- Finite Element Analysis (FEA)
- Drawing Revisions Due to Field Modifications or Retrofits
- Make and Record U1/U1A Data Report Corrections for Vessel Re-ratings, Modifications, Customer Name, and/or Site Address
- Issue Final Data Books Following an Alteration or Repair



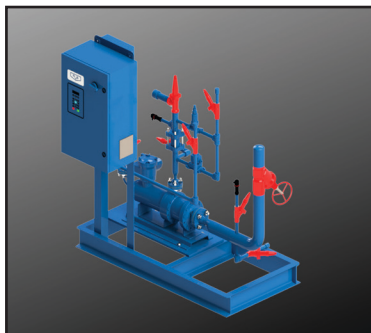
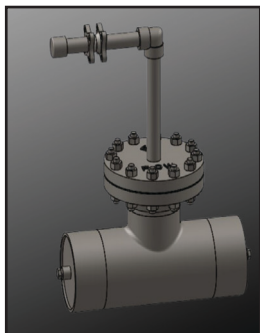
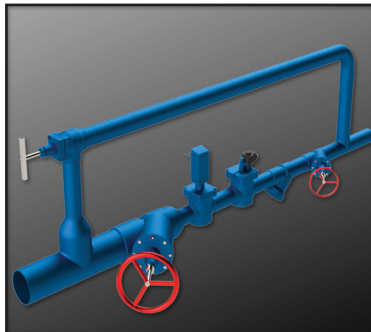
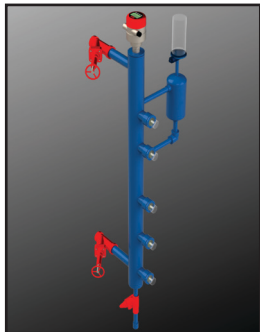
## Nameplates

RVS can provide and coordinate installation of a replacement and/or duplicate nameplate for any RVS or EVAPCO manufactured vessel if re-rated, lost, illegible, or inaccessible. Secondary informational-only nameplates can be provided for other manufacturers' vessels for redundancy or better accessibility.



# Sections

RVS Sections are manufactured parts, products, or assemblies that do not require a National Board number. Sections include but are not limited to liquid level columns (carbon or stainless steel), liquid feed assemblies, booster discharge spray coolers, and RVS' exclusive Matrix Transfer Retrofit Package (MTRP). All noted Sections are designed, manufactured, and pressure tested for the application specific conditions and available with quick lead-times.



MPC Chiller Package with Liquid Feed Assembly





## NORTH AMERICAN NATURAL REFRIGERATION MANUFACTURING & ENGINEERING LOCATIONS



RVS Corporation



EVAPCO Manufacturing Facilities

### EVAPCO, Inc. — World Headquarters & Research / Development Center

P.O. Box 1300 • Westminster, MD 21158 USA  
410.756.2600 • [marketing@evapco.com](mailto:marketing@evapco.com) • [evapco.com](http://evapco.com)

### North America Natural Refrigeration Manufacturing Locations

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