







JESSCO

SOLUTIONS

Vapor Recovery Units • Combusters • Flares
Instrument Air Compressors • Blowers • KO Scrubbers
Maintenance & Service



Our focus is to provide our valued customers with VRUs that are both high quality and efficient, but also easy to use and maintain. All of our VRUs feature Class 1, Div. 2 electric motors driving rotary screw gas compressors or reciprocating gas compressors depending on your specific needs.

VAPOR RECOVERY UNITS Sales & Rentals

FEATURES

- Exceeds EPA Quad 0 regulations.
- Pressure vessels and process piping built in accordance with applicable ASME code.
- Class 1, Div. 2 compliant electrical components (requires remote mounting of panel).
- Heavy-Duty skid base with spill containment and environmental rail.
- Variable speed control with a high turndown rate for maximum efficiency.
- Cooling for temp control in all weather conditions (controls condensate, freeze-offs).
- Pressure circuits are protected by normal shutdown settings and relief valves.
- Normal, open skid layout provides easy access to all componentry.
- Common, industry-accepted componentry...no custom, special or "proprietary" parts.
- Simple, operator-friendly Control Unit with Allen-Bradley PLC a premiere VFD drive, providing all necessary speed control, throttling, unit protection and data logging with SCADA capability.



CAPACITY

- 10hp - 300hp
- Ranges from 10 MSCFD - 1500 MSCFD



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*Actual performance will vary based on product constituents, flow, available heat and ambient conditions.
Contact us for more information and a performance evaluation of your application.*





JessCo Solutions offers facility-specific Vapor Recovery Unit (VRU) options designed to meet the operational needs of each site.

TAILORED VRU PACKAGES

JessCo Tamrotor VRU Package

- A cost-effective, high-efficiency solution ideal for facilities operating at **0–150 psig** discharge pressure—common throughout the Permian Basin.

JessCo LeRoi VRU Package

- A high-pressure rotary screw solution capable of injecting gas into sales lines at **0–300 psig** discharge pressure.

PERFORMANCE COMPARISON EXAMPLE:

- **125hp JessCo Tamrotor Unit:** In a 125 psig discharge environment the Tamrotor will deliver up to 495 mscfd.
- **150hp JessCo LeRoi Unit:** In a 125 psig discharge environment the LeRoi will deliver up to 305 mscfd.

By utilizing the JessCo Tamrotor product line where appropriate, customers can realize significant cost savings and higher vapor recovery efficiency.



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JESSCO SERVICE

VRU

Preventative Maintenance

MONTHLY VISIT

- Observe unit for normal operation - note condition on service record.
- Check temperatures - note abnormalities.
- Ensure scrubber drain system is functional.
- Drain lube oil from each component as required.
- Replace lube oil filter.
- Top off lube oil sumps with approved lubricant.
- Grease bearings and couplings as required.
- Wipe down and clean package and skid base.
- Check couplings, drive belts and sheaves for alignment and looseness - Address as required.
- Check cooler pack for debris, blow out and clean as necessary.
- Test sequence of events, by-pass valve operation, speed control etc.
- Check and confirm kill points are active.
- Record set points, operating conditions and general information on service record.

WEEKLY VISIT

- Observe unit for normal operation, note condition on service record.
- Check temperatures, note abnormalities.
- Ensure scrubber drain system is functional.
- Top off lube oil sump with approved lubricant.
- Test sequence of events, by-pass valve operation, speed control etc.
- Check and confirm kill points are active.
- Record set points, operating conditions and general information on service record.



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FLARES & COMBUSTORS

*JessCo Solutions provides our valued customers
with a complete Quad 0000 Solution!*



ENCLOSED COMBUSTORS

- 0 - 300,000 SCFD
- Meets all emissions - EPA Certified
- Unlimited turndown
- Flame arrestor
- Flashback protection
- Class 1, Div. 1 knockout scrubber system
- Automated BMS

LOW PRESSURE FLARES [TANK VAPOR FLARES]

- 0 - 1MMSFD
- A+ Air Assisted Smokeless Flare Technology
- Meets all emissions - EPA Certified
- No electric or pilot gas needed
- 20' - 40' heights available
- Scrubber

HIGH PRESSURE FLARES

- 0 - 35 MMSCFD
- 20 - 80' heights available
- Meets all emissions
- Flame arrestor
- Scrubber
- Solar package ignition system



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FLARE/ COMBUSTOR

Preventative Maintenance

MONTHLY / QUARTERLY SERVICE VISIT

- Observe unit for normal operations.
- Check regulator for liquids by opening and bleeding pilot gas.
- Start and stop unit to confirm functionality.
- Visual inspection of all wiring and components.
- Drain scrubbers of liquids.
- Blow out filtration with air.
- Pull the flame arrestors for cleansing.
- Clean flame arrestors and check functionality and quality.
- Confirm air mixers settings are correct.
- Examine flare tube for carbon build up.
- Confirm orifices and cabinets are clean.
- Restart the unit and observe operations.
- Check and confirm kill points are active.
- Record operating conditions and general information.





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S O L U T I O N S

*Optimize Vapor Recovery with the implementation of
JessCo Solutions' Vapor Recovery Towers.*

VAPOR RECOVERY TOWERS



STANDARD FEATURES

- Paint: JessCo Tan
- Code: Non-code (Coded vessels upon request)
- Condition: New Manufacture
- Oil Inlet design with internal agitator
- Auxiliary oil outlet at base of tower – Maximizes gas cap area

BENEFITS

- Allows proper retention time for flash gas to separate from liquids
- This gas can be captured and sold to increase facility revenue
- Reduces flash emissions at storage vessels
- Reduces gas pressure on storage vessels
- Reduces VOC emissions being released into the atmosphere
- Reduces pressure spikes to VRU
- Reduces potential for liquids reaching the VRU

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SERVICE

JessCo is proud of the product we sell and stand behind our equipment. However, we are not limited to servicing only JessCo products. We service all vapor recovery equipment of all different makes, models and sizes, including but not limited to VRU's, VRT's, flares, combustors and heater treaters. We pride ourselves for quick response times and getting our customers back on track when it comes to Quad 0000 compliance. Our technicians can quickly diagnose problems and offer cost-effective solutions to get equipment operating again. We can also review facilities and submit recommendations to help equipment and facilities perform at or above expectations.



JESSCO SERVICE -
SERVICE SECOND TO NONE!



sales@jesscosolutions.com

www.jesscosolutions.com

San Angelo

4477 Old Christoval Rd
San Angelo, TX 76904
940.205.8995

Monahans

403 West L Street
Monahans, TX 79756

Midland

1302 Dayton Rd
Midland, TX 79706

Iraan

9285 Alley Oop Lane
Iraan, TX 79744

Gonzales

951 Sarah DeWitt Dr
Gonzales, TX 78629

