

IJACK VRU

VAPOR RECOVERY UNIT

REMOVE VAPORS | MAINTAIN TANK AT ATMOSPHERIC PRESSURE DIFFERENTIAL
ELIMINATE VENTING | RECOVER CONDENSATES | +99% RUNTIME
NO RECIRCULATION



IJACK VRU AUTOMATED VAPOR RECOVERY UNIT IS DESIGNED TO REMOVE VAPOR GAS FROM INSIDE TANKS AND VESSELS, ENSURING THAT INTERNAL PRESSURE IS MAINTAINED AT A PRE-SET TARGET LEVEL. BY ENTERING THE MINIMUM AND MAXIMUM TANK/VESSEL PRESSURES, THE VRU AUTOMATICALLY ADJUSTS ITS SPEEDS TO ACHIEVE AND MAINTAIN THE REQUIRED PRESSURE.

UNLOCK THE FULL POTENTIAL OF VAPOR RECOVERY WITH IJACK VRU

- 1. **Emissions Reduction:** IJACK VRU eliminates emissions, venting, and flaring, contributing to a cleaner environment and regulatory compliance.
- 2. **+99% Runtime**
- 3. **Buffer Chamber:** Handles associated liquids without the worries of contaminating the cooling/lubrication oil present in screw compressors.
- 4. **Pressure Control:** The unit lowers tank and vessel pressures as low as 0 psi / 0 oz/sq-in, preventing over-pressurization and enhancing safety.
- 5. **Less Equipment:** The VRU handles vapor gas and associated liquids without the need for knockouts or scrubbers.
- 6. **Condensate Recovery:** Optionally, install knockouts before and/or after the VRU to recover valuable condensates.
- 7. **100% Turn Down Capability With Zero Venting Technology:** With 100% turndown no recirculation is required reducing power consumption and heat generation, leading to cost savings.
- 8. **Robust Design:** Featuring a dual-acting reciprocating compressor without bearings, IJACK™ VRU ensures minimal wear and tear, reducing the need for frequent rebuilds and maintenance.
- 9. **Easy Maintenance:** The unit is entirely field serviceable by local service crews, resulting in minimal downtime and lower overall ownership costs.
- 10. **Boost Profitability:** By eliminating emissions, recovering condensates, and reducing operating and maintenance costs, IJACK™ VRU enhances your bottom line.
- 11. **ESG Compliance:** Employing our VRU contributes to meeting Environmental, Social, and Governance (ESG) goals, aligning with sustainability efforts.



STANDARD FEATURES:

- Class 1 Division 2 compressor and general rated power units.
- Fully automated, turnkey, plug and play to achieve and maintain set target tank and vessel internal pressures.
- No site preparation required to install VRU and easily ties into existing piping.
- Standard 150 °C/ 300 °F Max Discharge Temperature, High Temp Option available.
- Use current tank pressure transmitters to operate VRU. External permissive and run status ports.
- Control VRU on site, remotely or via your SCADA system.
- Many models to choose from to optimize vapor volumes and suction/discharge pressures.
- Fully serviceable and resealed in the field in a few hours.
- Premium components ensure durability, +99% runtime, and performance.



MODELS AND CONFIGURATIONS

SIGNLE UNIT	PARALLEL UNITS	IN SERIES (TWO-STAGE)
- 23,730 m3/d - 149,257 bpd liquid equivalent capacity - Max ΔP up to 600 psi - Max Discharge 740 or 1480 psi - Power 15 to 300 hp	Increase volume to meet specific requirements. Easily add units as volume increases and relocate as volume decreases.	Increase pressure differentials up to 740 psi (ANSI 300 models) or 1480 psi (ANSI 600 models).

Our IJACK team is ready to assist you in finding the ideal VRU model and configuration tailored to your needs. Contact us for a simulation based on your operating conditions.

PATENTED TECHNOLOGY

IJACK leads the vapor recovery industry with patented technologies, including a position control system for optimal efficiency, a buffer chamber to eliminate cross-contamination between the hydraulic system and process gas/liquids, and multiple check valves for compression optimization. These exclusive features are only available on IJACK™ products, ensuring superior performance and safety. Choose IJACK for cutting-edge vapor recovery solutions and unparalleled customer satisfaction.

YOUR VRU COMES SUPERCHARGED WITH RCOM

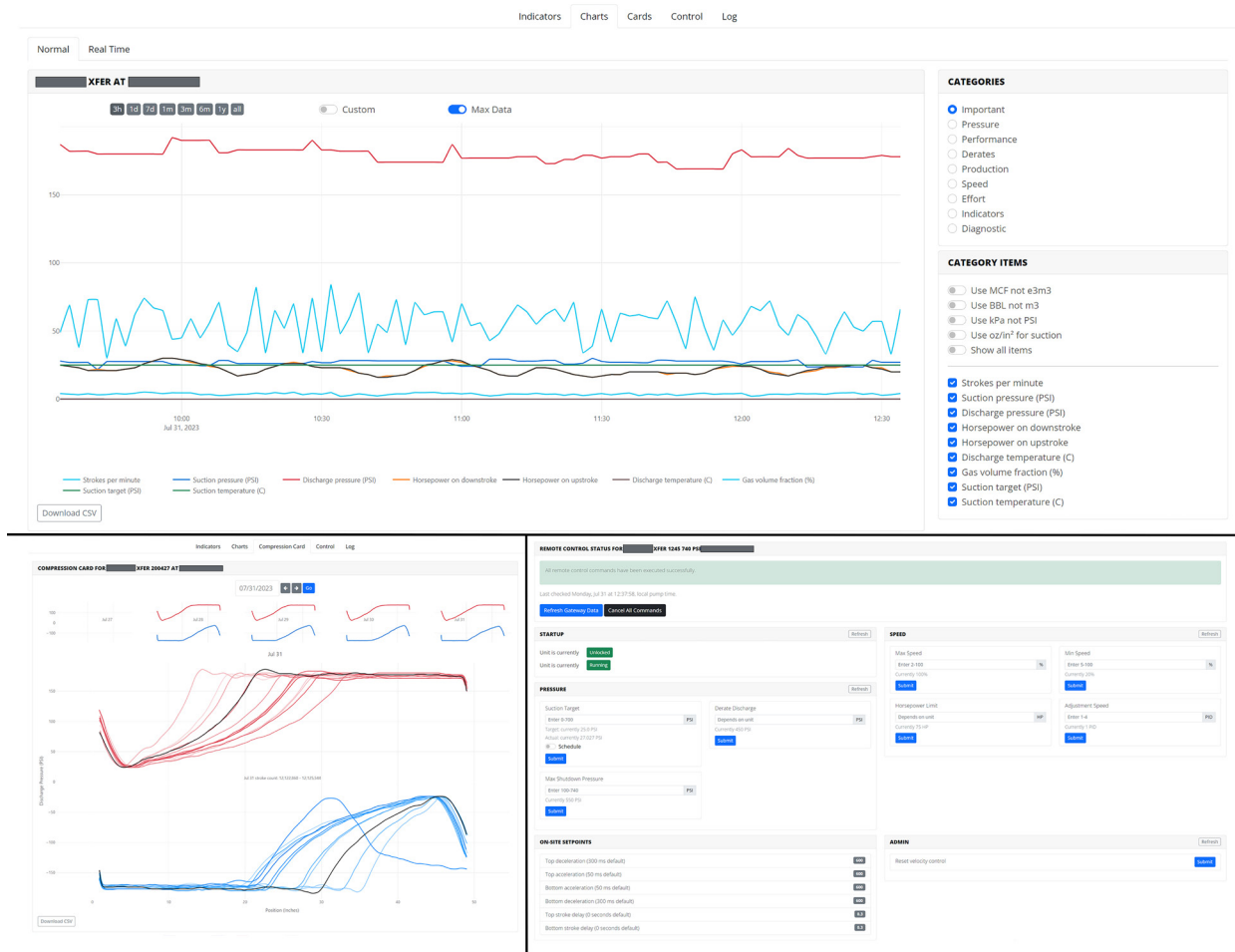
IJACK RCOM: REMOTE CONTROL AND MONITORING SYSTEM

STAY IN CHARGE AND UP TO DATE 24/7.

Experience seamless control, no matter where your VRU is or where you are. With IJACK™ RCOM, your smart device or laptop becomes your command center, offering real-time precision on operating conditions, historical trends, compression cards, and remote control.

Stay ahead with RCOM's alert system, notifying you instantly via email, SMS, or phone calls of any issues, from power outages to pressure spikes. Our AI capabilities troubleshoot problems, ensuring you're always in the loop.

Monitor all your IJACK units effortlessly with RCOM's complimentary web-based app. Just supply a cellular SIM card, and we'll handle the platform and data. Seamlessly integrate RCOM with your SCADA system via a Modbus interface or download data from AWS.



Get In Touch

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