



**Petro Specialties, Inc.**

**PetroVac Vacuum Pump System (Patent Pending)**

**Installation Checklist**

**Inspector/Installer Name:** \_\_\_\_\_

**PetroVac Installer Certificate Number:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Project/Site:** \_\_\_\_\_

## **1. Pre-Installation**

- ☐ Confirm system is compatible with double-walled tanks, piping, or sumps (no manifolded piping unless specifically approved)<sup>(1)</sup>.
- ☐ Verify interstitial volume does not exceed 2,114 gallons (tanks) or 2,642 gallons (piping)<sup>(1)</sup>.
- ☐ Review manufacturer's Installation and O&M Manuals.
- ☐ Ensure all required components are present:
  - PetroVac vacuum pump
  - Red Jacket Pump Control Box
  - Veeder-Root TLS-450Plus console with SCLD module
  - Vacuum tubing and fittings

## **2. Mechanical Installation**

- ☐ Securely mount PetroVac pump on a stable, vibration-free surface.
- ☐ Install Red Jacket Pump Control Box in accessible location.
- ☐ Route vacuum tubing from pump to the vacuum module, tubing must be run through EMT or Rigid conduit and seal offs provided where applicable.
- ☐ Ensure all tubing and fittings are tight and leak-free.

### 3. Electrical Installation

- ☐ Connect pump to Red Jacket Pump Control Box.
- ☐ Wire control box to TLS-450Plus console using explosion-proof conduit and fittings as required by code.
- ☐ Verify all wiring is properly grounded.
- ☐ Ensure power switch is accessible.

### 4. System Integration & Programming (per Veeder Root Installation Instructions)

- ☐ Connect SCLD module to TLS-450Plus console.
- ☐ Program TLS-450Plus for correct interstitial volume<sup>[1]</sup>.
- ☐ Set vacuum operating range (-9 psid to -3 psid, or as specified).
- ☐ Configure alarm and warning thresholds per manufacturer's instructions.

### 5. Functional Testing

- ☐ Power on system and verify pump operation via control box.
- ☐ Use TLS-450Plus console to confirm vacuum is maintained within specified range.
- ☐ Simulate vacuum loss to verify audible and visual alarms activate at correct thresholds.
- ☐ Simulate liquid incursion to test liquid sensor and alarm response<sup>[1]</sup>.
- ☐ Confirm system disables product delivery upon alarm (if programmed and allowed by code).

### 6. Final Checks

- ☐ Inspect all connections for leaks.
- ☐ Ensure all components are labeled and warning labels are intact.
- ☐ Provide operator with Installation and O&M Manuals, warranty, and approval documentation.
- ☐ Record installation details and keep documentation on site.

**Notes/Comments:**

**Installer Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**For technical support, contact Petro Specialties, Inc.**

## **Contact Us**

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