

INSTALLATION INSTRUCTIONS

DOUBLE WALL FIBERGLASS SUMPS VACUUM INTEGRITY TEST PROCEDURE



IMPORTANT

Please read all warnings and follow the installation instructions completely and carefully. Failure to do so may cause product failure, or result in environmental contamination due to liquid leakage into the soil, creating hazardous spill conditions.



WARNING - DANGER

Using electrically-operated equipment near gasoline or gasoline vapors may result in fire or explosion, causing personal injury and property damage. Be sure that the working area is free from such hazards and always use proper precautions.

Introduction

The purpose of a double wall integrity test is to determine that both the inner and outer surfaces of a double wall sump system are perfectly intact and free of defects, cracks, or voids that could result in fuel leakage if product is released inside the containment sump. An integrity test is a simple test that can be performed at any time to ensure a successful installation or to meet local and federal periodic testing requirements.

Components Overview

Materials Needed:

- PCI Double Wall Vacuum Test Kit
- Compressed Air Source
- 5/16 nut driver
- Razor Knife
- Hose Clamps

Results

If the vacuum level remained the same, the sump passed the integrity test. If there was a drop in vacuum, check all equipment to make sure hose connections are tight and that the vacuum gauge is clean. Then, repeat test. If subsequent test fails, refer to troubleshooting guide for detailed steps to find and repair vacuum leaks.

1 Attach the Vacuum Gauge Assembly

Attach the Vacuum Gauge Assembly to the lowest vacuum port on the interior of the sump.

2 Attach the Air-Powered Vacuum Pump

Attach the Air-Powered Vacuum Pump to the highest vacuum port on the sump assembly. For multi-component sumps, these vacuum ports will be in separate sump components. Make sure the ball valve is in the closed position.

3 Supply Compressed Air

Supply **80 psi** of compressed air to the Vacuum Pump.

4 Open the Ball Valve

Slowly open the ball valve to evacuate the air from the interstitial space between the sump walls until the gauge reads **15" Hg**.

5 Close the Ball Valve

Close the ball valve and wait **30 seconds** for the system to equalize.

6 Record the Reading

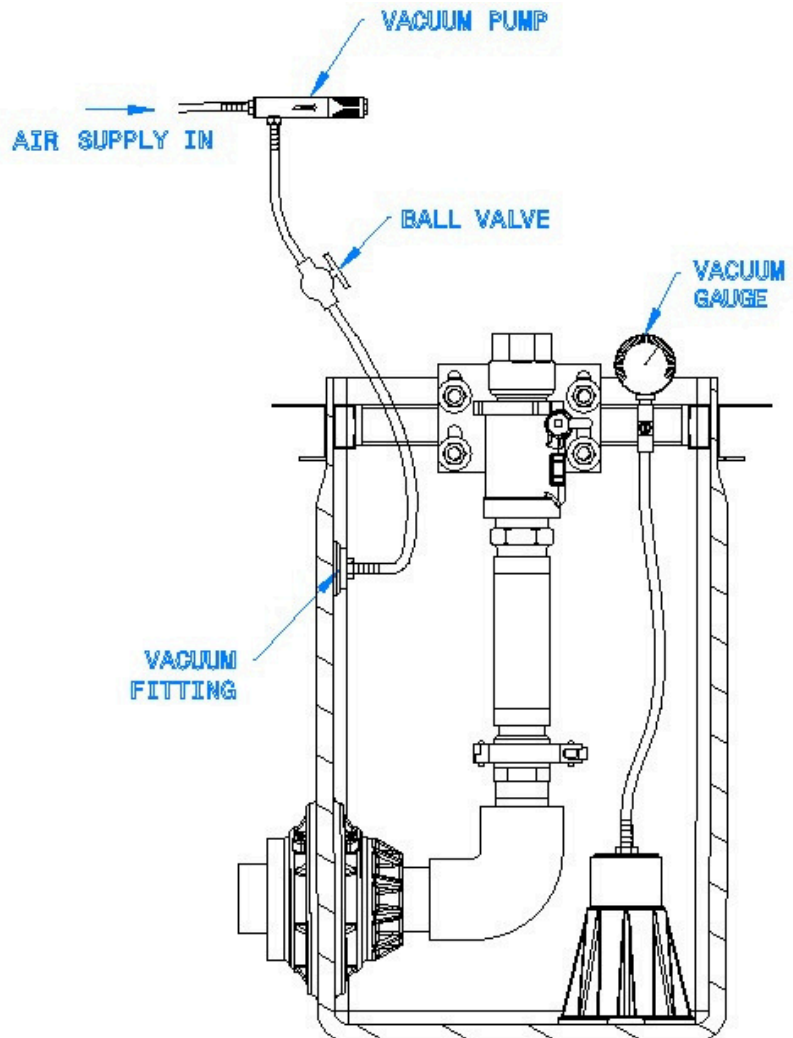
Write down the exact vacuum reading and the current time.

7 Wait 15 Minutes

Wait 15 minutes.

8 Read the Gauge

Read vacuum gauge and record reading and the current time.



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