



INFILTRATOR
water technologies

Vacuum Testing

Infiltrator Tank Vacuum Testing Instructions

Vacuum Test Kit Assembly Images



Vacuum Test Lid



Portable compressor



Portable
Venturi valve kit



Portable compressor
Venturi valve assembly



Location of
serial number

⚠ WARNING

IMPLOSIONS MAY CAUSE SERIOUS INJURY

Follow Infiltrator Tank vacuum test instructions
NEVER EXCEED 2.5 inches mercury vacuum pressure

WARNING: Vacuum tests on the Infiltrator tank shall only be performed in strict accordance with Infiltrator Tank Vacuum Test Instructions. Failure to follow an Infiltrator vacuum-testing protocol and/or exceeding 2.5 inches (63 mm) of mercury vacuum pressure could result in personal harm. Never apply a positive air pressure to the tank. Infiltrator will not be liable for any problems that arise from such unauthorized use.

Procedure (per ASTM D1227-98):

1. Prior to conducting a vacuum test.

2. Install both lids and ensure lids are aligned properly on indexing tabs.

3. Connect Venturi vacuum pump assembly to fully charged compressor. Verify pressure regulator gauge reads 70 psi. Adjust regulator setting if necessary. Disconnect Venturi vacuum pump assembly once the check is complete.

4. Connect Venturi vacuum pump assembly to Infiltrator Vacuum Test Lid by pressing down.

NOTE: Valve in open position

5. Connect pressure gauge to other lid. Ensure gauge reads zero. Adjust as needed.

6. Place weight (sandbag/dumbbell weights) on both lids. Recommended minimum 50 lbs.

7. Connect compressor to Venturi vacuum pump assembly using compressor hose. **NOTE:** Compressor must be on and charged prior to connection. Once compressor is connected you will hear air passing through the unit. Depending upon compressor size, you should expect approximately

10 minutes to come up to pressure inside the tank.

8. When pressure gauge reads 2.0 inches of mercury, close valve and disconnect the air hose from the compressor.

NOTE: Expect an initial air bleed (pressure drop) when valve closes.

9. Monitor pressure gauge for 5 minutes. The testing requirement allows for a maximum of 10% bleed off. The pressure reading must be documented at 2 minutes to verify that the reading is above 1.8 inches of mercury. If the reading is 1.8 inches of mercury or greater, the test is a pass.

NOTE: If tank falls below 1.8 inches of mercury, attempt to better seal the lid by redistributing the weight or adding more weight. Restart test from Step 7.

NOTE: Notify Infiltrator if the tank fails the test. Failed tanks shall not be sold or used.

10. Open valve on the Venturi allowing the pressure to release. Allow pressure to fall gradually (should take approximately 5 minutes).

NOTE: Do not remove pressure gauge until valve reads zero. **NOTE:** Do not pry lids off, doing so could damage lids or tank. **NOTE:** Do not leave unattended.

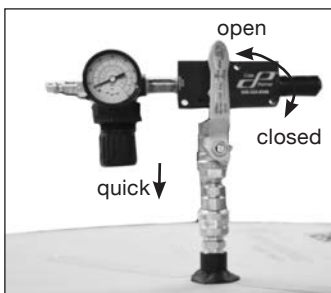
11. Record testing results on the Watertightness Testing Results Recording Sheet. **NOTE:** The serial number for the tank is a 10-digit number found on the outlet end wall of the tank at the mid seam. (See photo on page 1.)



2



3



4



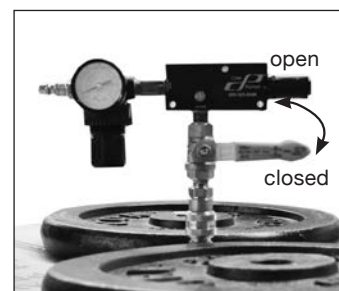
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6



7



8



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Infiltrator Tank Watertightness Testing Results Recording Sheet



Company Name: _____

Location: _____

Tank Serial Number	Single Compartment/ Dual Compartment	Date Assembled	Assembler Name	Tested



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Contact Infiltrator's Technical Services Department for assistance at 1-800-221-4436