



JATCO, INC.
ENVIRONMENTAL
PROTECTION
EQUIPMENT

**Installation Instructions
JATCO Environmental Protection Tank
J-7000 SM-P**

INSTRUMENTATION GAS IS MANDATORY FOR SUPPLY GAS

The JATCO Environmental Tank must be installed at a level which will allow the waste liquids to be disposed of to gravity flow into the tank.

IMPORTANT: The top of the tank must be below the level of waste liquids to be received.

Inlet and the outlet check valves are both teed from the same port near the bottom of the tank (end opposite the sight glass). When facing this end, the inlet check valve is on the left (**A**) and the outlet check valve is on the right (**B**).

The discharge should be piped directly to the storage tank that is to receive the waste liquid. The discharge may be teed into an existing flow line, provided that a high-pressure check valve (1000 psi) is installed to prevent high pressure from returning to the discharge check valve on the JATCO tank.

The tank supply gas must have adequate **volume** and pressure. For best operation use 1" pipe for the tank supply gas plumbed as close to the tank as possible. Then reduce down to the tubing connection (**C**) on the JATCO tank.

Supply gas pressure minimum (40 psi) is connected to the bottom inlet of the level control valve (**C**) this gas pressure must not exceed (75 psi) for normal operation. No pressure regulator is provided.

Gauge cock knobs are removed for shipping.

Depressing the manual dump plunger allows the operator to check function of the float and level control valve. When the plunger is depressed, the tank will cycle once and return to the automatic operation. The plunger button should be returned to the extended position.

3-way pilot valve (**G**) is vented through $\frac{3}{4}$ " NPT port (**H**).

Liquid levels in the JATCO tank may be observed in the sight glass furnished as standard equipment.



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Service Guide
JATCO Environmental Protection Tanks
J-7000 SM-P

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Listed below are a series of steps to follow if the JATCO tank fails to dump properly.

The tank supply gas must have adequate **volume** and pressure. For best operation use 1" pipe for the tank supply gas plumbed as close to the tank as possible. Then reduce down to the tubing connections (C) on the JATCO tank.

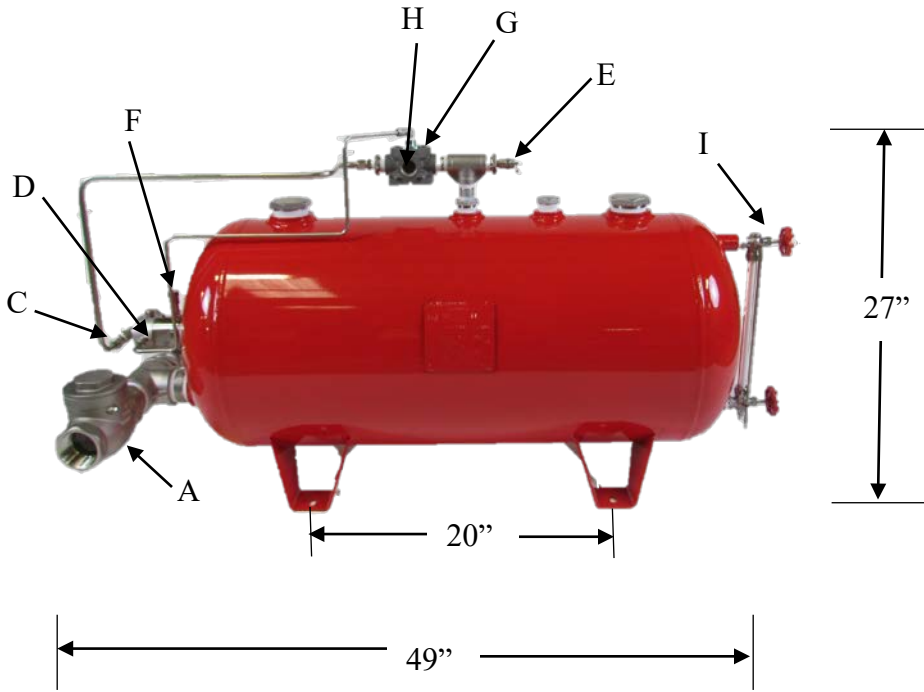
Step #1 be sure there is an adequate supply of gas pressure (40-75 psi), to the inlet connection on the float control valve. If there is enough pressure at the inlet connection, press down on the manual dump plunger. This should cause the tank to dump, then vent when the cycle is complete. If the JATCO tank fails to dump manually, remove connector tubing to pilot valve (G) to test for pilot pressure from float control valve (D). If the float control valve is not sending pressure to pilot valve when depressing manual dump plunger (F), removal and or inspection of float control will be necessary and proceed to step #2. If pressure is present but pilot valve fails to operate, removal, inspection, and or replacement of the pilot valve may be necessary.

Step #2 the side mount level controller has very few moving parts. If the valve is not operating properly, remove and inspect travel of float arm. If no obstruction is visually present but the float arm does not travel freely then removal of float arm is necessary. To remove float arm carefully drive float arm retaining pin out with a hammer and punch. Then inspect magnet and chamber for debris. If there is no obstruction with float arm assembly or tubing connections, replacement may be necessary.

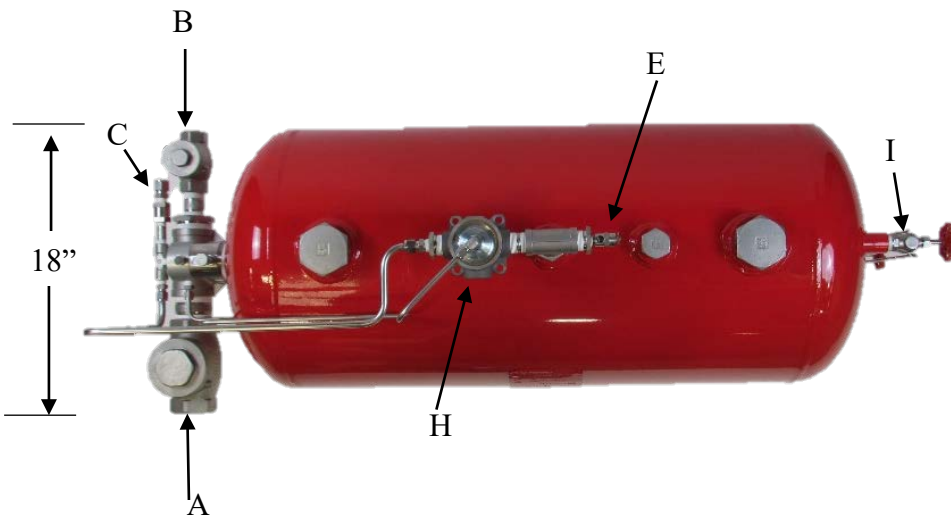


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J-7000 SM-P



- A. Inlet Check Valve 2" NPT
JM7005-2
- B. Discharge Check Valve 1" NPT
JM7005-1
- C. Supply Gas Inlet ½" Compression
(40-75 psi)
- D. Liquid Level Control Valve
JM7011 SM-P
- E. Pressure Relief Valve
JM7002-100
- F. Manual Dump Plunger Assembly
JM7003
- G. 3-Way Pilot Valve
JM7008x
- H. Vessel Vent ¾" NPT
- I. Gauge Cocks & Sight Glass JM7009
& JM7010





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The warranty provision contained herein shall not apply to or cover any defects resulting from normal wear and tear, unauthorized changes, repairs, alterations or modifications to the product: or any other causes beyond the control of JATCO, Inc.

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