



Installation Instructions

A1004 CONTAINMENT MANHOLE

IMPORTANT

Read these instructions completely before attempting to install this system. Failure to follow these instructions could result in damage to the manhole or tank and will void any warranty. Installation of the A1004 manhole on risers other than 4" NPT or use of equipment other than Emco Wheaton Retail could require modifications. Prior to any modifications or if you have any questions, please call Emco Wheaton Retail Customer Service at 800-234-4394.

IMPORTANT

Lire ces instructions complètement avant de tenter d'installer ce système. Le non respect de ces instructions peut entraîner des dommages au trou d'homme ou de la citerne et annulera toute garantie. Installation du regard de A1004 sur risers autres que 4 "NPT ou l'utilisation de matériel autre que Emco Wheaton détail pourrait nécessiter des modifications. Avant toute modification ou si vous avez des questions, s'il vous plaît appelez Emco Wheaton détail Service à la clientèle au 800-234-4394.

Note: This unit will not pass pressure leak test at above 15 in. wc. If test requirements exceed this value, we recommend installing the A1004-210 or -316 series.

The A1004 Manhole will accommodate movement due to frost heave and settling. Three spacer bars (p/n 567550) are located around the interior of the manhole to stabilize the unit during installation. Remove these bars after the concrete has set.

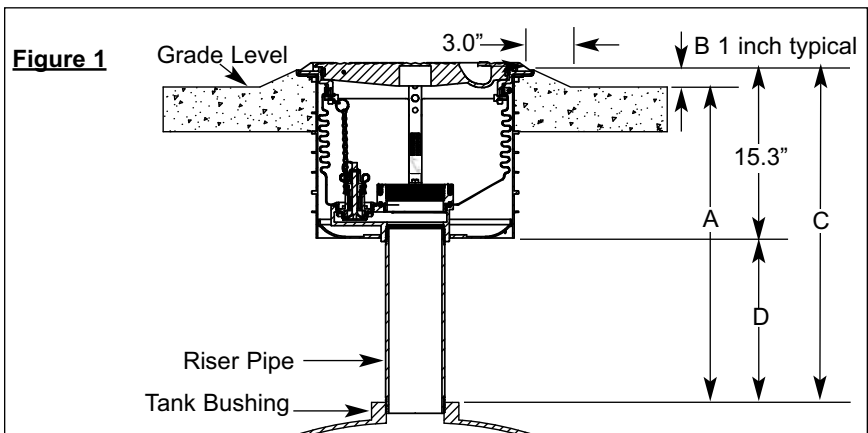
Step 1 Tank Riser Pipe Length

1. Measure from top of tank bushing to grade = length A (Figure1).
2. Add crown height, length B to length A = length C.
Note: Length B should be 1" minimum for proper run-off.
3. Manhole height = 15.3" when the spacer bars are installed.
4. Subtract manhole height, 15.3" from length C = distance between the tank bushing and manhole body, length D.
5. Cut and finish riser pipe to length D plus 2".
Thread riser pipe to 4.00 - 8 NPT or BSP requirements.
6. Tighten riser pipe/tank joint using a permanent thread lock sealant.

Example

1. A buried tank measures 36" from the top of the tank bushing to grade level. Length A is 36".
2. The site requires 1" crown above grade to manhole rim for water run-off. Length B is 1".
3. Length A + length B = length C; $36" + 1" = 37"$
4. Length C - 15.3" = length D; $37" - 15.3" = 21.7"$
5. The 4" riser pipe should be $21.7" + 2" = 23.7"$

Note: Riser pipe must be within +/- 1 1/4" (22 1/2" - 25"). If not within this range, either recut the riser pipe or add riser extensions to achieve this dimension. **DO NOT OVER STRETCH BELLOWS.**



Step 2 Manhole to Riser

1. Tighten manhole to riser joint using a non-hardening, gasoline-resistant thread sealant such as Emco Wheaton Z0838. Using a fabric strap wrench, tighten the manhole onto the riser pipe until snug.

Caution: Excessive tightening of the manhole may result in damage to the manhole which may cause leakage.

Attention: Un serrage excessif de la bouche d'égout peut entraîner des dommages au trou d'homme qui peut provoquer des fuites.

Step 3 Nipple and Adapter

1. Install appropriate nipple to manhole. Maximum nipple length = 4".
2. Assemble adapter to nipple.
3. Using a thread sealant such as Emco Wheaton Z0838, tighten approximately 35 ft. lbs.

Caution: Do not over tighten or the seal may be damaged, causing leakage. Do not use pipe sealant.

Attention: Ne pas trop serrer ou le joint peut être endommagé, provoquant une fuite. Ne pas utiliser un tuyau d'étanchéité.

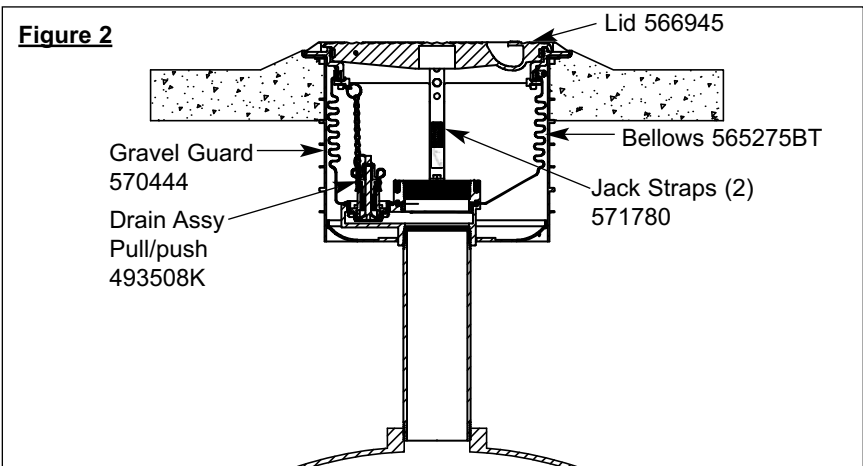
4. Replace lid on manhole.

Step 4 Backfill and Finish

1. Finish back filling over tank and around manhole to depth required for concrete pad.
2. Concrete must completely fill around and under manhole rim to insure proper anchoring.
3. After concrete has set, remove excess concrete from inside of rim and the runoff channels.
4. Remove 2 jack straps.
5. Paint lid as required by product color code.

Maintenance

1. Keep rim/lid and drain areas free of debris.
2. Replace any damaged part at once.



Tank Operator Responsibilities

Tank operator must ensure that all Federal, Provincial and local codes are being met during the filling of the tank.

All operators must be familiar with proper filling procedures.

The operator responsible for transferring product to an above ground storage tank must take all reasonable steps to prevent spillage.

The delivery hose from the tank's fill pipe must not be disconnected before the hose has been drained completely.

When tank vehicles are being unloaded, the vehicle operators must remain

- (a) in constant view of the transfer nozzle and fill pipe; and
- (b) in constant attendance at the discharge control valve.