
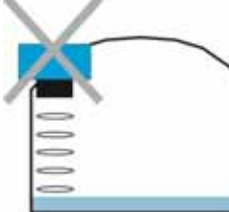
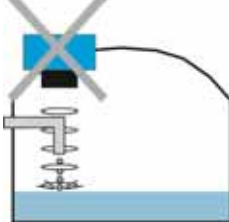
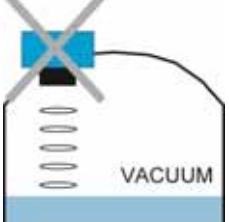





The LB500 should always be mounted perpendicular to the liquid surface and installed using the provided Viton mounting gasket. Make sure that the fitting and transmitter threads are not damaged or worn. Always **hand-tighten** the transmitter within the fitting. Perform an installed leak test under normal process conditions prior to system start up. **Note: The preferred mounting fitting for the LB500 series is the (2" thread x 1" thread) reducer bushing.**

#### MOUNTING GUIDE

1. Do not mount the sensor at an angle.
2. Liquid should never enter the dead band.
3. Side Wall:
  - a. Mount the sensor at least 3" from the side wall.
  - b. LB500 Series - Mount at least 2" from the side wall.
4. Do not mount where obstacles will intrude on sensor's beam width.
  - a. LB500 Series - Mount at least 2" from the side wall.
  - b. LB500 Series - Mount at least 3" from the side wall.
5. Do not mount the sensor in a vacuum.
6. Avoid mounting in the center of a dome top tank.
7. In cone bottom tank, position the sensor over the deepest part of the tank.

Do not install at angle relative to the liquid.	
Do not install within 3" of tank sidewall.	
Do not install with objects in the beam.	
Do not install in applications with vacuum.	
Do not install in the center of a dome top tank.	

#### METAL TANKS (LB500 SERIES ONLY)

The LB500 series has been optimized for use in non-metallic fittings.

1. For best performance, avoid the use of metallic fittings.
  - a.
2. While installations directly into a 1" metal fitting are not recommended, acceptable results may be obtained if the 1" fitting is a half coupling in form and the outer diameter of the coupling is tightly wrapped in vinyl tape to dampen vibrations.