

# OPW INSTRUCTIONS INSTALLATION PROCEDURE

H-12064-M  
MARCH, 1993

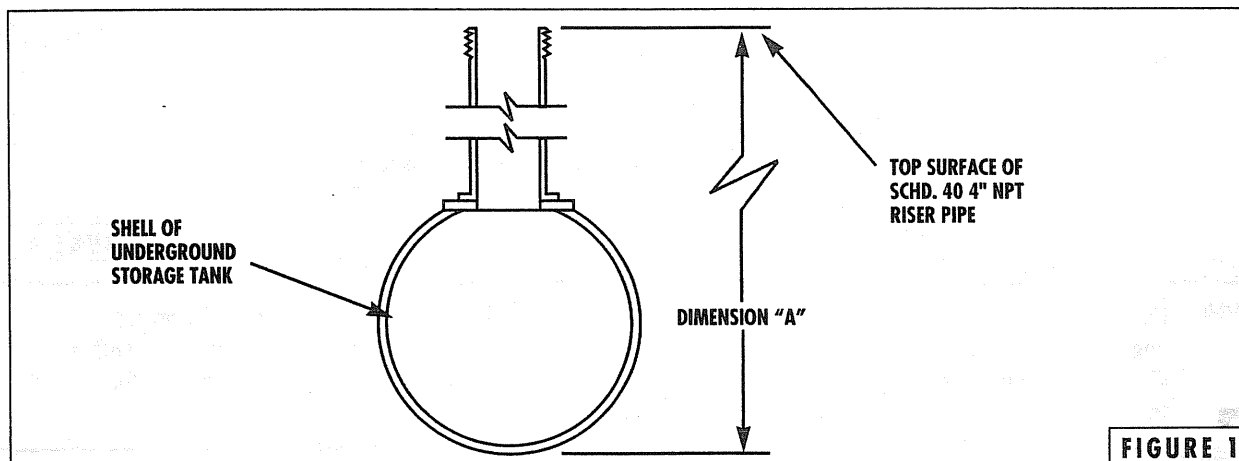
## OPW 61TCP-4" COAXIAL VAPOR RECOVERY FILL TUBE WITH POPPET AND 633TCP-4" COAXIAL VAPOR RECOVERY ADAPTOR

**CAUTION:** It is important to adhere to this step-by-step procedure and to protect finish machined, seal and gasket surfaces from damages. Failure to do so may cause premature failure or create hazardous conditions when products are used to handle flammable liquids or vapors.

### STEP 1

#### INSTALLATION MEASUREMENT (see Figure 1)

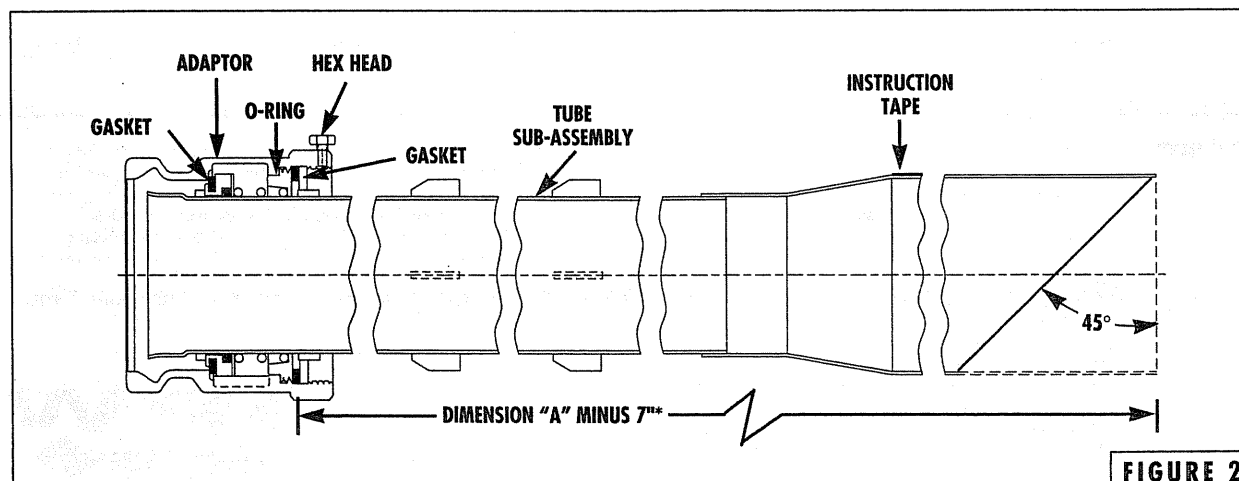
Measure distance from tank bottom to top surface of riser pipe (Dimension "A").



### STEP 2

#### DETERMINE REQUIRED FILL TUBE LENGTH AND CUT-OFF (see Figure 2)

Subtract 7"\* from Dimension "A" (as measured in STEP 1) and cut off fill tube on 45° angle as shown.



\*or per local requirements



### STEP 3

#### INSTALLATION OF FILL TUBE AND ADAPTOR INTO TANK (see Figure 3)

- a) Inspect top surface of riser pipe for sharp, raised burrs or metal which **must be removed** or mating gasket may be destroyed during this assembly procedure and gasket could fail to seal properly.

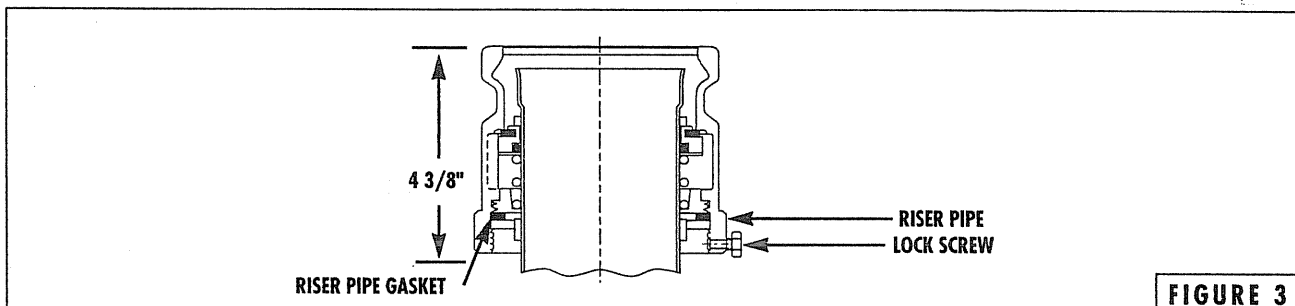
**IMPORTANT:** A light, even coat of OPW No. 880 sealant is permissible on the **male riser pipe threads** but **no sealant is permitted on or within 1/4" (2 threads) of the top surface of riser pipe.**

**CAUTION:** Unit may malfunction or be rendered inoperative if excessive sealant is applied where permitted above, or if applied or allowed to remain or run into internal threads or other additional previously assembled parts in adaptor.

- b) Install the 45° beveled end into the riser pipe and slowly lower the units until the adaptor threads rest on the top surface of the riser pipe.  
c) Rotate the adaptor clockwise (by hand) until gasket is seated on top surface of riser pipe.

**CAUTION:** Do not tighten adaptor more than 1/2 turn beyond above hand-tight position with a wrench. Excess tightening will distort internal parts and may result in failure of poppet to re-seat properly.

- d) Tighten lock screw snugly against riser pipe threads.



**CAUTION:** Do not use old style 633TCP adaptors with this new style 61TCP drop tube. The spring support will not engage properly on the old style adaptors and may result in an improperly seated poppet and/or insufficient thread engagement onto this riser pipe. The overall length of the old style adaptor is 4" long and the overall length of the new style adaptor is 4 3/8" long. ( See Figure 3)

### STEP 4

#### INSPECTION AND TEST

- a) Inspect formed end of fill tube for freedom from dents or adaptor damage which would prevent proper coupling or sealing with mating coupler or cap.  
b) Check stroke of poppet for freedom from binding and re-seat of seal by pushing formed end of fill tube downward about 1/2" and then releasing.  
c) Pressure test per installation requirements and to assure no seal or gasket leaks exist prior to placing in service.

#### PRODUCT WARRANTY

All OPW parts and products are thoroughly inspected and tested from the time raw material is received at our plant until the product is completed. We guarantee that all products are free from defects in materials and workmanship for a period of one year from the date of purchase. Any products that may prove defective within that one year period will at OPW's option, be promptly repaired or replaced or credit given for future orders. This warranty shall not apply to any product which has been altered in any way, which has been repaired by any party other than an authorized OPW service representative or when such failure is due to misuse or conditions of use. OPW shall have no liability for special or consequential damages to any party, and shall have no liability for labor costs or any other cost or charges in excess of the amount of the invoice for the products.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND SPECIFICALLY THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

WARNING: OPW products should be used in compliance with applicable federal state and local laws and regulations. Product selections should be based on physical specifications and limitations and compatibility with the environment and materials to be handled. OPW reserves the right to change specifications at any time without incurring obligations.



P.O. Box 405003 • Cincinnati, Ohio 45240-5003  
(513)870-3219 • (800)422-2525 (Orders Only)  
(513)870-3100 (Other Calls)