

OPW Fueling Components Installation Instructions

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Remote Sensor 61TNG Overfill Prevention Valve

61TNG General Information

The OPW 61TNG Overfill Prevention Valve is designed to be installed on the fill riser pipe of service station underground storage tanks. It is designed to close when the liquid level rises to a pre-determined level before the top of the UST is wetted as per EPA regulations.

IMPORTANT:

Read these instructions completely and carefully prior to beginning installation. Use only the parts supplied as substitution of parts may cause product failure. Failure to follow instructions may cause improper product operation or premature failure which may permit a storage tank overfill. An over-filled storage tank may create hazardous conditions and/or environmental contamination.

WARNING/DANGER:

USING ELECTRICALLY OPERATED EQUIPMENT NEAR GASOLINE OR GASOLINE VAPORS MAY RESULT IN FIRE OR EXPLOSION, CAUSING PERSONAL INJURY AND PROPERTY DAMAGE. BE SURE THAT THE WORKING AREA IS FREE FROM SUCH HAZARDS AND ALWAYS USE PROPER PRECAUTIONS.

Guidelines for making product drops with an OPW 61TNG Valve Installed:

- *Make sure the hose and elbow and all connections between the storage tank and the transport are securely coupled.
- *Make sure the lip seal and/or all gaskets in the delivery elbow are properly in place to prevent a spill.
- *Do not attempt a drop with damaged or missing parts that prevent tight connections.

WARNING:

FAILURE TO PROPERLY CONNECT DELIVERY HOSE AND ELBOW OR DISCONNECTING A LIQUID FILLED DELIV-

ERY HOSE OR ELBOW WILL RESULT IN AN EXTREMELY HAZARDOUS SPILL WHICH MAY RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, FIRE , EXPLOSION AND WATER AND SOIL POLLUTION.

***Normal Operation:** A "hose kick" and reduced flow signal that the tank is full.

*Close transport delivery valve and drain hose into tank before disconnecting any hose fitting.

***OVER-FILLED TANK:** Failure of the hose to drain signals an over-filled tank. Do not disconnect any delivery hose fitting until the liquid level in the tank has been lowered to allow the hose to drain into the tank.

ATTENTION:

IN THE EVENT YOU ARE SPLASHED, REMOVE ALL WETTED CLOTHING IMMEDIATELY. DO NOT GO INTO AN ENCLOSED AREA AND STAY AWAY FROM IGNITION SOURCES.

WARNING:

FAILURE TO FOLLOW THE OPW 61TNG ASSEMBLY INSTRUCTIONS WILL VOID THE WARRANTY.

NOTICE:

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 material to be handled. OPW makes no warranty for a particular use.

All illustrations and specifications in this literature are based on the latest product information available at the time of publication. Dover/ OPW reserves the right to make changes at any time in prices, materials, and specifications on models and to discontinue models without notice or obligation.

Please refer to Figure 1 on page 3 for installation instructions. Refer to Figure 2 on page 4 for hose and fitting specifications.

USE PIPE SEALANT WHERE NEEDED.
DO NOT OVER TIGHTEN FITTINGS.

A. INSTALL VALVE

1. Install the 4"BSPT coupling onto the existing 4" riser pipe.
2. Install the provided "TNG Lower Flange" into the coupling and tighten securely.
3. Place the "O-RING" into the "TNG Lower Flange" o-ring groove.
4. Install the "TNG Valve" into the riser and align the holes in the valve with the holes in the "TNG Lower Flange".
5. Install the three (3) provided bolts and tighten securely.

B. INSTALL PIPE CAP OR PLUG

1. Working on the existing tank port opening, install pipe adapters as need to accept the pipe cap or plug.
2. Determine how deep the "SENSOR TUBE" must be in the tank to have the valve close at 95% of tank capacity. Cut the "SENSOR TUBE" to this length. NOTE: The "SENSOR TUBE" must have all burrs removed.
3. Install the pipe cap or plug and tighten securely.

C. INSTALL "REMOTE SENSOR LINE" AND "VENT LINE"

NOTE: Both lines will be field installed as shown in Figure 1. Use only the provided flex hose and fittings. The lines must slope down from the valve to the cap or plug with no kinks, valleys or coils allowed. Be sure that the fittings are installed to the correct interface.

Caution: Use of the wrong size hose or fittings can cause the valve to malfunction. Use only the supplied components. (See page 4 for specifications.)

D. FINAL INSTALLATION AND CHECKS

1. Using the provided clamp, install the "WARNING PLATE" to the riser pipe.
2. Install the proper tight fill adapter or kamlok to the valve.
3. Check to be sure that all joints and openings are sealed and no leak paths exist. All joints must be leak proof.

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 manufacture or shipment from OPW's plant. Any product 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 that has been altered in any way, which has been repaired by any party other than an authorized OPW Service Representative or when 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, freight 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, EXPRESS OR IMPLIED, AND SPECIFICALLY THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

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