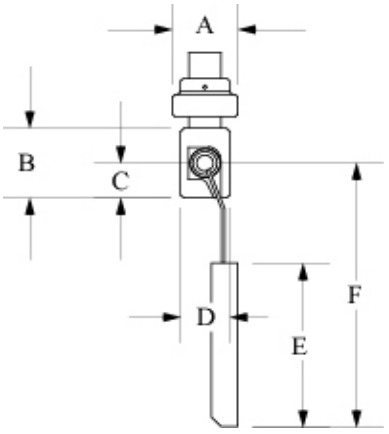
6401 E. 40th Street Ph: 800-821-6583
Kansas City, Mo. 64129 Fax: 816-924-3903

Clay & Bailey Mfg. Co.

1228 Series
Overfill Prevention Valve
Installation and Operation
Instructions and Procedures



	A	B	C	D	E	F
1228-2” OP Valve	5.00”	5.50”	2.75”	3.67”	6.75”	15”
1228-4” OP Valve	7.43”	8.39”	3.75”	5.75”	9”	18.35”

1228-3” OP Valve dimensions are approximately the same as the 1228-2” OP Valve

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Installation Instructions for Model 1228-2" X 4", 3" X 4"and 4"X 6" Overfill Prevention Valves

Warning! Do not pick up the valve by the float or the float rods. It could cause damage to the float and the valve not to operate properly!

1. Remove overfill prevention, (op), valve from packaging and inspection the valve for damage and check for the following:

Warning! Do not drop the OP valve as this could cause damage to the valve making it unable to operate properly!

a. Inspect the float for damage such as breaks, cracks and float rods break outs.
b. Inspect the valve for cracks, breaks and damaged threads

If any of these are found and/ or if the valve has been dropped do not use and replace the valve.

2. A drop tube is required for the proper operation of the OP valve. Install the drop tube using the following steps:

a. From the tank height/diameter and shut off height determine the required length of the drop tube. It should be 6" off the bottom of the tank and a 45 degree cut on the bottom of the drop tube.
b. After the drop tube is prepared, remove the clamp on the bottom of the OP valve by turning counterclockwise.
c. Remove the plug from the clamp and slide the clamp onto the drop tube with the threaded end of the clamp toward the flanged end of the drop tube.
d. Place the drop tube in the bottom of OP valve and thread the clamp into the OP valve.

The next five steps apply to the 2" X 4" and 4" X 6" OP valves with adjustable collars.

3. Using the distance from the top of the riser nipple to the shut off point inside the tank +2", measure from the valve centerline to a point on the fill tube and mark with a permanent marker.

4. Make sure the conduit nut is threaded onto the fill pipe, (this prevents accidentally dropping the valve into the tank). Hold the float against the drop tube and insert the entire unit, (drop tube first), through the opening into the tank.

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5. Thread the adjustable collar onto the nipple and tighten hand tight only! Do not use a wrench on any part of the valve body! This will void the warranty.

6. Align the arrow on the fill pipe toward the centerline of the tank and away from the walls and/or other obstructions. **Warning! If the float is not aligned in a direction where it will have free movement from open to close, this device will fail to operate, over filling the tank will result!**

7. Raise or lower the fill pipe until the top of the adjustable collar is aligned with the mark made in step 3. Tighten the set screws.

The following steps are for OP valves without adjustable collars:

8. Holding the float against the drop tube insert the entire unit, (drop tube first), through the opening into the tank.

9. Thread collar onto the nipple and tighten hand tight only! Rotate the collar to align the float in the tank toward the centerline of the tank away from the walls or other obstructions. **Warning! If the float is not aligned in a direction where it will have free movement from open to close, this device will fail to operate, over filling the tank will result!**

10. **Final installation step is to place one warning decal, (included with limiter), on the tank where it is readily visible**.

Be careful not to cross thread! Use a strap wrench only. Do not apply the wrench jaws directly to the valve body to avoid crushing the valve! This may damage the valve and cause malfunction. Do not overtighten!

Operating Procedures:

DANGER

THE 1228 2", 3", AND 4" OP-SERIES VALVES ARE DESIGNED FOR LIQ0UID TIGHT FILL OPERATION AND MUST BE USED WITH PROPER CONNECTIONS. FAILURE TO PROPERLY CONNECT AND/OR DISCONNECT THE DELIVERY HOSE WILL PRESULT IN AN EXTREMELY DANGEROUS SITUATION!

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CAUTION!

READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE OPERATING THIS DEVICE.

Before Filling:

1. Insure that the bypass valve on the tranport pump is working properly.
2. Do not exceed 100 psig delivery pressure.
3. Inspect delivery hose and fittings for wear and damage.
4. A dry break coupling or cam-lock type coupling is required for delivery.
5. After hooking up the delivery hose, visually inspect the connections.
6. If any leakage is discovered during or after delivery, discontinue use and repair or replace.

Warning Do Not Take the Tank Level by Sticking the Tank Through the Fill Valve!!! This Could Damage the Valve and Prevent It from Operating Properly!!!

Filling and Disconnection Process:

1. Connect the delivery coupler to the fill adptor.
2. Make sure isolation valve is completely closed.
3. Turn on the pump.
4. Slowly open the isolation valve.
5. Monitor the tank liquid level at all times during the fill.
6. Observe the delivery hose and connections, and listen to the pump for signs the valve has closed.
7. When shut off is detected, close the isolation valve and shut off the delivery pump.
8. Reopen the isolation valve for 5 minutes for pressure in the line to drop.

CAUTION!

ATTEMPTING TO DISCONNECT THE COUPLER WITH PRESSURE IN THE LINE COULD RESULT IN THE RELEASE OF PRODUCT!

9. Close the isolation valve and slowly disengage the delivery coupling and replace cap.

Warning Do Not Take the Tank Level by Sticking the Tank Through the Fill Valve!!! This Could Damage the Valve and Prevent It from Operating Properly!!!