A CENTURY'S WORTH OF INNOVATION

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

Operating Procedures:

WARNING

THE 1228 2" X 1" OP-SERIES VALVES ARE DESIGNED FOR LIQUID TIGHT FILL OPERATION AND MUST BE USED WITH PROPER CONNECTIONS. FAILURE TO PROPERLY CONNECT AND/OR DISCONNECT THE DELIVERY HOSE WILL RESULT IN AN EXTREMELY DANGEROUS SITUATION!

READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE OPERATING THIS DEVICE.

Before filling:

1. Insure that the bypass valve on the transport pump is working properly.
2. Minimum operating pressure of 5PSI is required for proper operation.
3. Do not exceed 15 psig delivery pressure.
4. Inspect delivery hose and fittings for wear and damage.
5. A dry break coupling or cam-lock type coupling is required for delivery.
6. After hooking up the delivery hose, visually inspect the connections.
7. If any leakage is discovered during or after the 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 valve fill adaptor.
2. Make sure the nozzle or isolation valve is completely closed.
3. Turn pump on.
4. Slowly open the nozzle or isolation valve.
5. Monitor the tank liquid level at all times during the fill.
6. Observe delivery hose and connections, and listen to the pump for signs that the valve has closed,
7. When shut off is detected, close the nozzle or isolation valve and shut off the delivery pump.
8. Reopen the nozzle/isolation valve and allow 5 minutes for the pressure in the line to drop.

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

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

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Overfill Prevention Valve Installation Instructions

WARNING

THIS VALVE IS USED AS A SUPPLAMENTARY WARNING TO THE OPERATOR OF THE TANK DURING FILLING. THE VALVE SHOULD NOT BE SOLELY RELIED ON FOR OVERFILL SITUATIONS. THE OPERATOR IS RESPONSIBLE FOR ANY OVERFLOW THAT MAY OCCUR AND NEEDS TO BE AWARE OF THE CONDITIONS OF THE TANK AT ALL TIMES.

WARNING

THE VALVE NEEDS UNCONTAMINATED LIQUID FOR THIS PRODUCT TO OPERATE SUCUSSFULLY. FAILURE TO MEET THIS STANDARD MAY CAUSE DAMAGE TO THE VALVE.

WARNING

MODIFICATIONS TO THE INSTRUCTIONS LISTED BELOW WILL VOID THE WARRANTY AND POSSIBLY CAUSE AN UNSTABLE SITUATION DURING OPERATION.

1. Remove the OP valve from packaging. **Do Not Drop the OP Valve as this may cause damage to the valve prevent the valve from operate properly.**
2. Inspect the op valve for any damage that may have occurred during shipping. Check the functionality of the float by inverting the valve listen for the float to move to the close position.

3. Establish the correct Shut Off Height for the tank. The shut off height the difference between the height of the top of the tank and the max level desired. From the attached illustration the height would be H = A – B

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4. Establish the correct Riser Pipe Height for the tank. This is height from the inside of the tank to the top of pipe coming off the top of the tank, (R) on figure A. If there is a Spill Containment look at Figure B. The riser height is from the top inside of the tank to the top of the pipe connection inside the spill containment. That is R on figure B.

5. Determine the Fill Pipe Length using the Formula below.

Fill Pipe Length = Shut Off Height + Riser Pipe Height – 2.8”

Fill Pipe Length = ___H_____ + ____R_____ - 2.8” = _____

6. Cut the Fill Pipe to the determined length above and soften edges that might compromise the installation.

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7. Thread the ends of the fill pipe with 1" npt threads and clean, remove all burrs and chips from the fill pipe.

8. Using a fuel resistance pipe sealant and coat the threaded end with a light coat of the sealant. **Be sure not to excessive amount as it could get in the valve and prevent it from operating properly.**

9. Thread the valve onto the fill pipe and tighten by hand. Tighten with a strap wrench. Do Not **Use a Pipe Wrench on the valve as it will damage the valve and could prevent it from operating properly!**

10. Thread the other end of the fill pipe onto the collar and tighten.

11. Cut the drop tube to proper length by subtracting 8 inches from the shut off height (B) and cutting at a 45-degree angle. This should give a 6-inch gap between the bottom of the tank to the drop tube.

12. If need thread the other end with 1 ½" npt threads and clean, remove all burrs and chips.

13. Thread the drop tube into bottom of valve after apply thread sealant and tighten **Do Not use Pipe Wrenches on the valve as it may damage the valve and prevent it from operating properly.**

WARNING: Do not use excessive thread sealant. This may result in valve malfunction.
WARNING: Do not use any wrenches on any part of the valve body. This will void the warranty.

14. Insert the valve assembly into the 2" riser pipe or 2" opening in the spill containment and slide the valve into the tank.

15. Threat the collar on the pipe and tighten the valve to the pipe.

Make sure the Overfill Valve is secure before filling.

Place warning decal, (included with valve), on the tank where it is readily visible.
Record serial number located the body and call for any further questions.

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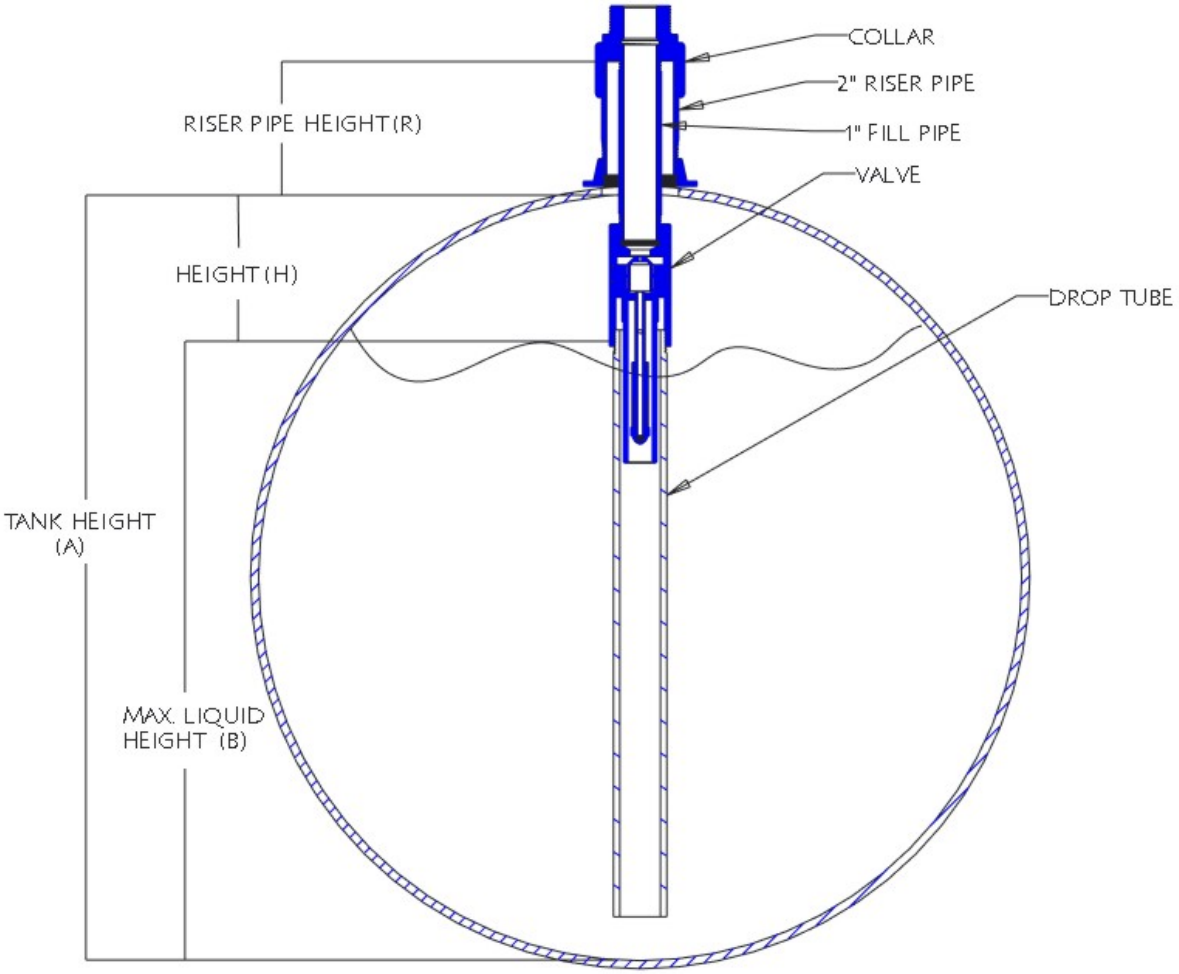

FIGURE A

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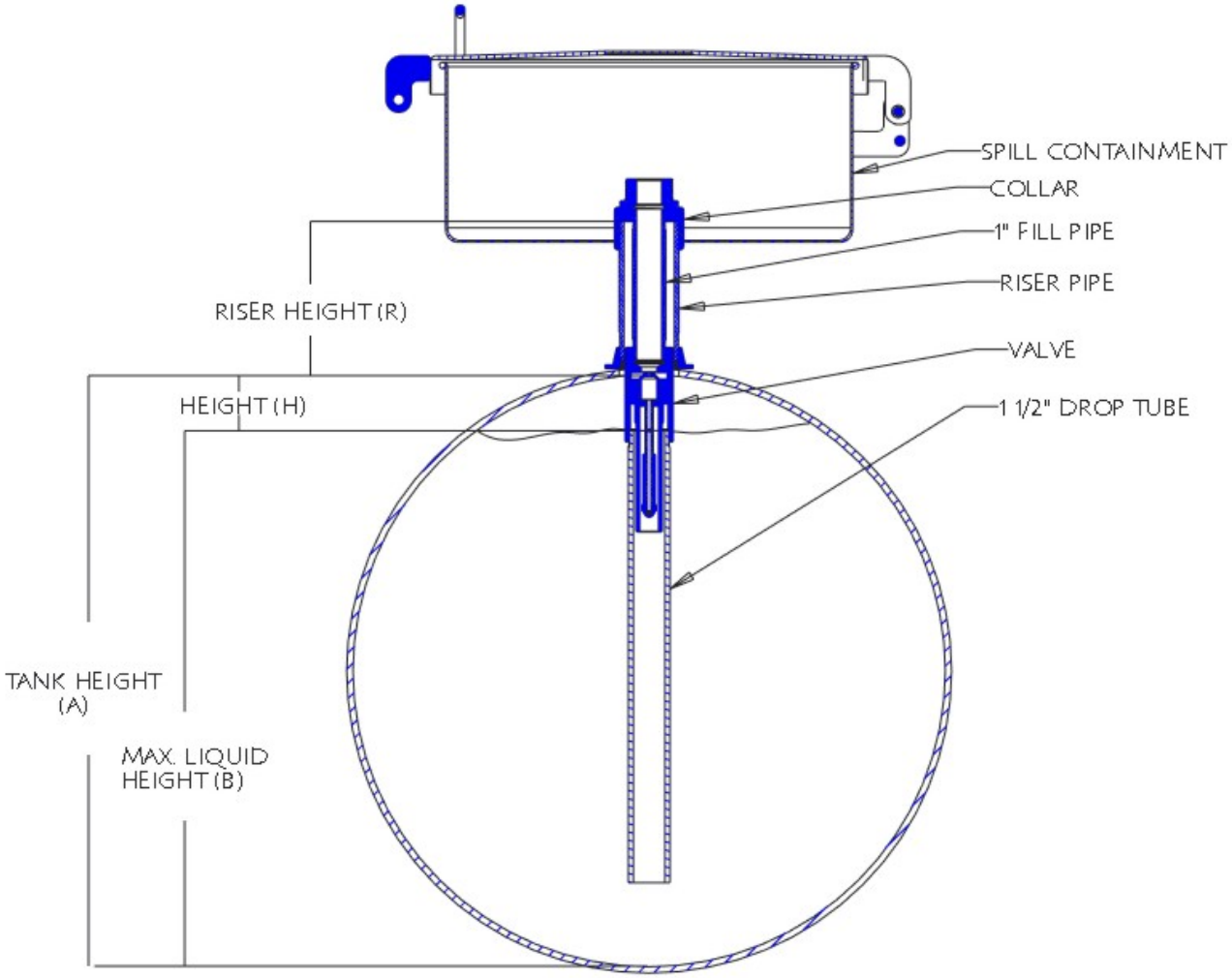

FIGURE B

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