

**2"x 2" and 2"x 4"
OVERFILL PREVENTION VALVE**



**UL Listed
ULC Listed**



**Patent
#7584766**

1228-03-2200

1228-03-2400



A CENTURY'S WORTH OF INNOVATION

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NEW from Clay & Bailey!

**Clay & Bailey introduces the solution to
the problems of:**

- **Restricted height GenSet tanks with low storage capacity**
- **Installing an Overfill Prevention Valve into a 2” opening**
 - **Preventing expensive overfilling of AST’s**
 - **Unreliable whistle/vent alarms**

The # 1228-03-2200 2" & 1228-03-2400 2"x4" Overfill Prevention Valve

have these outstanding design features:

- **Installs in a 2" NPT (1228-03-2200 model) or
4" NPT (1228-03-2400 model) opening**
 - **Accepts pressure delivery of product**
- **Provides GenSet tanks with large fuel storage capacity at shutoff height**
 - **Provides positive shut off of fuel**
 - **Retro-fits to an existing AST**
- **Mechanical in operation–no user interface required**
- **Compatible with fuels (Consult factory for your specific product)**
 - **Minimum 5 PSI operating pressure required**

NOTE

This OPU is to be used with a closed fill, liquid tight connection ONLY!

Installation Instructions for the 1228-03-2200 Overfill Prevention Valve (OPV)

CAUTION!

Step 1

Upon receipt of the overfill prevention valve (OPV), remove the valve and adaptor from the package.

If the adaptor is not assembled on the OPV, then thread the adaptor on to the OPV.

Be careful not to cross thread the adaptor or the OPV.

Do not handle, lift or carry the overfill prevention valve by the float or float tube.

Step 2

Locate the serial number engraved on the body.

Record the serial number for future reference.

Step 3

Guide the float through the 2" NPT threaded opening in the tank, then the body.

Step 4

Install the OPV into the opening by turning the adaptor clockwise until the OPV is securely tightened.

Do not over tighten.

CAUTION!

Important Note

This OPV is to be used with a closed fill, liquid tight connection only.

Do not fill with a regular nozzle, splash back at OPV closure will result.

Operating Procedures:



THIS VALVE IS 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. Inspect delivery hose and fittings for wear and damage.
3. A dry break coupling or cam-lock type coupling is required for delivery.
4. After hooking up the delivery hose, visually inspect the connection.
5. Verify downstream piping is connected and tight.
6. If any leakage is discovered during or after delivery, discontinue use and repair or replace damaged parts.

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 on the pump.
4. Slowly open the nozzle or isolation valve.
5. Monitor the tank liquid level at all times during 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/isolating valve and slowly disengage the delivery coupling, replace cap.

OVERFILL**PREVENTION VALVES**

Clay & Bailey introduces the solution to the problems of:

- * Restricted height GenSet Tanks with storage capacity
- * Installing an overfill Prevention Valve into a 2" opening
- * Preventing expensive overfilling of AST's
- * Unreliable whistle/vent alarms

The #1228-03-2200 2" Overfill Prevention Valve have these outstanding design features:

- * Installs in a 2" NPT
- * Accepts pressure delivery of product
- * Provides GenSet tanks with large fuel storage capacity at shutoff height
- * Provides positive shut off of fuel
- * Retro-fits to an existing AST
- * Mechanical in operation—no user interface required
- * Compatible with fuels (Consult factory for your specific product)
- * Minimum 5 PSI operating pressure required

**1228-03-2200****Patented!**

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OVERFILL**PREVENTION VALVES**

Clay & Bailey introduces the solution to the problems of:

- * Restricted height GenSet Tanks with storage capacity
- * Installing an overfill Prevention Valve into a 4" opening
- * Preventing expensive overfilling of AST's
- * Unreliable whistle/vent alarms

The #1228-03-2400 2 x 4" Overfill Prevention Valve have these outstanding design features:

- * 4" NPT opening
- * Accepts pressure delivery of product
- * Provides GenSet tanks with large fuel storage capacity at shutoff height
- * Provides positive shut off of fuel
- * Retro-fits to an existing AST
- * Mechanical in operation—no user interface required
- * Compatible with fuels (Consult factory for your specific product)
- * Minimum 5 PSI operating pressure required

**1228-03-2400****Patented!**

#7584766

Typical Shut Off heights and Capacities of Aboveground Storage Tanks for the #1228-03-2200

Configuration: 2" Opening; direct installation into weld flange; single wall
top of tank

AST style	AST Height	Shut Off Height	% Capacity
Rectangle	32"	29"	90%
Rectangle	34"	31"	91%
Rectangle	36"	33"	92%
Rectangle	42"	39"	93%
Rectangle	48"	45"	94%
Rectangle	54"	51"	95%
Rectangle	60"	57"	95%

Configuration: 2" Opening; direct installation into weld flange; single wall top of tank

AST style	AST Height	Shut Off Height	% Capacity
Round	32"	29"	95%
Round	34"	31"	95%
Round	36"	33"	95%
Round	42"	39"	95%
Round	48"	45"	97%

Configuration: 2" Opening; direct installation into weld flange; single wall top of tank

AST style	AST Height	Shut Off Height	% Capacity
Obround	27" x 44"	41"	95%

Typical Shut Off Heights and Capacities of Aboveground Storage Tanks for the #1228-03-2400

Configuration: 4" Opening; 5" high pipe nipple; single wall top of tank

AST Style	AST Height	Shut Off Height	% Capacity
Rectangle	12"	10.8"	90%
Rectangle	14"	12.6"	90%
Rectangle	16"	14.4"	90%
Rectangle	24"	22.8"	95%
Rectangle	30"	28.6"	95%
Rectangle	36"	34.2"	95%

Configuration: 4" Opening; 6" high pipe nipple; single wall top of tank

AST Style	AST Height	Shut Off Height	% Capacity
Rectangle	12"	11.4"	95%
Rectangle	14"	13.3"	95%
Rectangle	16"	15.2"	95%

Configuration: 4" Opening; 5" high pipe nipple; single wall top of tank

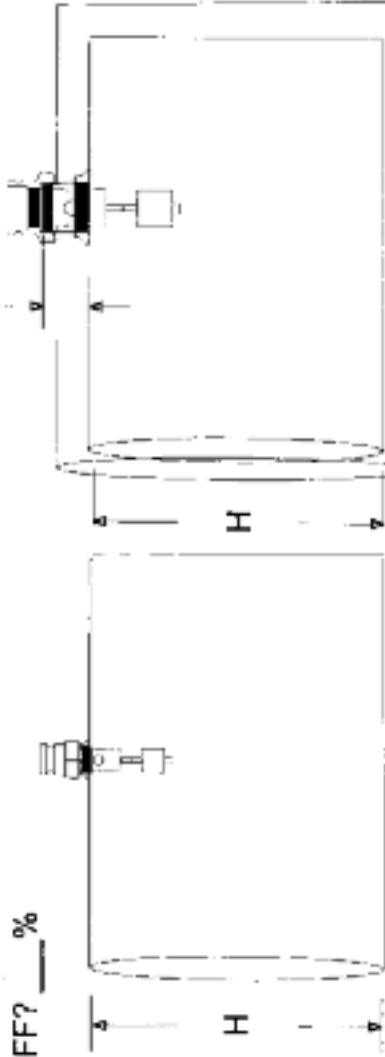
AST Style	AST Height	Shut Off Height	% Capacity
Round	12"	11"	90%
Round	14"	12"	90%
Round	16"	14"	90%
Round	24"	23"	95%
Round	30"	27"	95%
Round	36"	33"	95%

IF YOUR ASST MEASUREMENTS ARE NOT SHOWN ON PAGES 7 & 8 FILL IN THE BLANKS OF THE APPROPRIATE SECTION TO SIZE YOUR OVERFILL PREVENTION VALVE.

SINGLE WALL ROUND TANKS

1. WHAT IS HEIGHT OF THE TANK (H) = ____ INCHES.

2. WHAT IS THE PERCENT OF SHUT OFF? ____%



SINGLE WALL TANK

DOUBLE WALL TANK

DOUBLE WALL RECTANGULAR TANKS

1. WHAT IS THE HEIGHT OF THE RISER FROM THE PRIMARY TANK TO THE TOP OF RISER PIPE OR NIPPLE COUPLING? A=____INCHES
2. WHAT IS THE HEIGHT OF THE PRIMARY TANK? (H)=____INCHES
3. WHAT IS THE PERCENT OF SHUT OFF? ____%

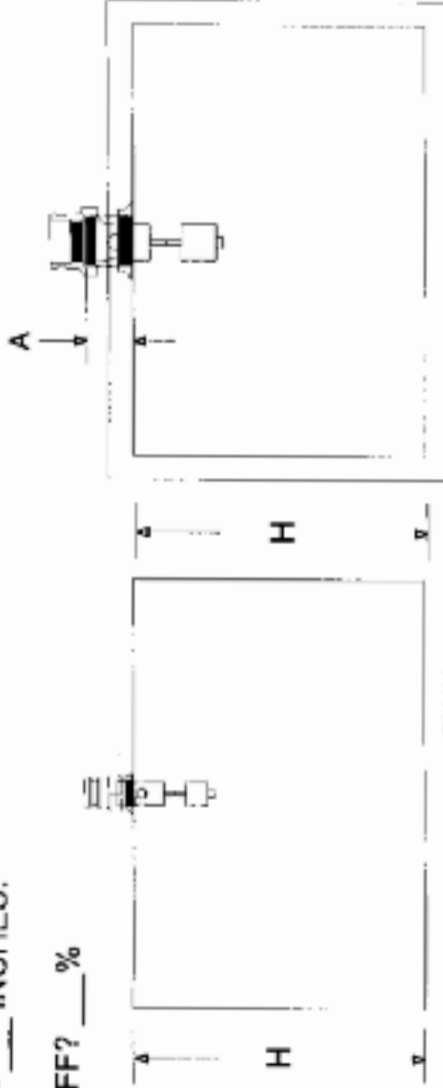
IS THERE A SPILL CONTAINMENT BOX IN THE INSTALLATION? YES / NO
 IF YES, PLEASE PROVIDE DIMENSIONS OF SPILL CONTAINMENT BOX.

CLAY & BAILEY MFG. CO.
 MEASUREMENTS
 FOR THE 1228-03-2200 & 2400
 DATE: 01/13/06

IF YOUR ASST MEASUREMENTS ARE NOT SHOWN ON PAGES 7 & 8 FILL IN THE BLANKS OF THE APPROPRIATE SECTION TO SIZE YOUR OVERFILL PREVENTION VALVE.

SINGLE WALL RECTANGULAR TANKS

1. WHAT IS HEIGHT OF THE TANK (H) = ____ INCHES.
2. WHAT IS THE PERCENT OF SHUT OFF? ____%



SINGLE WALL TANK

DOUBLE WALL TANK

1. WHAT IS THE HEIGHT OF THE RISER FROM THE PRIMARY TANK TO THE TOP OF RISER PIPE OR NIPPLE COUPLING? A=____INCHES
2. WHAT IS THE HEIGHT OF THE PRIMARY TANK? (H)=____INCHES
3. WHAT IS THE PERCENT OF SHUT OFF? ____%

IS THERE A SPILL CONTAINMENT BOX IN THE INSTALLATION? YES / NO

IF YES, PLEASE PROVIDE DIMENSIONS OF SPILL CONTAINMENT BOX.

CLAY & BAILEY MFG. CO.

MEASUREMENTS

FOR THE 1228-03-2200 & 2400

DATE:01/13/06

NOTES

Products for Aboveground Storage Tanks

- * UL + ULC Listed Overfill Prevention Valves
- * Spill Containment Boxes
- * Emergency Vents
- * Pressure/Vacuum Vents
- * Free Flow Vents
- * Anti Syphon Valves
- * Sight Gauges
- * Audible Alarms
- * Fillcaps, Pipe Plugs, Bushings

Products for Underground Storage Tanks

- * Anodes
- * Special UR Recognized gaskets
- * Manways



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