



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: July 2019

Incorporated in Rule 62-762.851, F.A.C.

Storage Tank System Equipment Registration Form

Fill out completely

General Information

Company Name: Clay and Bailey Mfg. Co. Contact Name: Boris Bajic
Company Address: 6401 E. 40th Street City, State: Kansas City, MO Zip: 64129
E-mail: bbajic@claybailey.com Contact Number: 816-924-3900
Product Name: 01228-03-42XXYY or 43XXYY Series Overfill Protection Valves (formerly 01228-03-41XX model number)
Model Number(s): 01228-03-42XXYY or 43XXYY Series Product Type: Overfill Protection Devices
Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST), F.A.C.: 62-762.501 (2)(e), F.A.C.

Write a brief description of equipment registration request including product limitations:

The Clay & Bailey Overfill Protection Valve 01228-03-42XXYY or 01228-03-43XXYY, UL File No. MH25085 Overfill Protection Devices for storage tank systems is utilized in the pressurized fill connection applications. The valve prevents tank overfills by shutting off when the liquid level reaches predetermined level at 90 to 95% of tank capacity. The valve eliminates hazardous liquid spills when installed in accordance with manufacturer's installation instructions.

Information Checklist (Choose Yes, No, or N/A - Not Applicable):

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory? (Required)	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☒	☐	☐
4. Technical information and drawings included?	☒	☐	☐
5. Installation instructions included?	☒	☐	☐
6. Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)?	☒	☐	☐
7. Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)?	☐	☒	☐
8. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☐	☒	☐
9. Has the product been approved or registered in other countries or states? (If so provide list)	☒	☐	☐
10. Any requirements for company-certified installers or trainers?	☐	☒	☐
11. Was this product(s) previously approved or registered by the Department? If yes, EQ- <u>908</u>	☒	☐	☐
12. Any changes or modifications to the equipment since the last submittal to DEP?	☐	☒	☐

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

The Clay & Bailey Overfill Protection Valve 01228-03-42XXYY or 1228-03-43XXYY, UL File No. MH25085 Overfill Protection Devices for storage tank systems must be installed and tested in accordance with Installation Instruction prior to being placed into service and recorded in accordance with Rule 62-762.711, F.A.C., requirements.

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Boris Bajic, Engineering Manager

Printed Name and Title

Boris Bajic

Signature (right click to sign)

Digitally signed by Boris Bajic
Date: 2023.11.29 15:29:44 -06'00'

11/29/2023

Date

For Department Use Only:

Date Application Received: 11/30/2023 Application complete: Yes: ☒ No: ☐

EQ- 908 Date of complete or incomplete letter sent: 12/19/2023 Date Equipment Requires Renewal: 12/19/2028

Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-762.851(2), F.A.C.

CERTIFICATE OF COMPLIANCE

Certificate Number 20181101-MH25085
Report Reference MH25085-20170517
Issue Date 2018-NOVEMBER-01

Issued to: CLAY & BAILEY MFG CO
6401 E 40Th St, Kansas City MO 64129-1711

This certificate confirms that
representative samples of

TANK ACCESSORIES FOR FLAMMABLE AND
COMBUSTIBLE LIQUIDS

USL - Overfill Prevention Devices, Models: 1228-03-2200,
1228-03-2400, 2x4 OP, 3x4 OP and 4x6 OP.

USL, CNL – Automatic Pressure-filled type Overfill
Protection Devices, Model: 01228-03-41XX, where XX
represent the length of the drop tube. Maximum rated
pressure of 50 psi and for use with Class 1 liquids.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

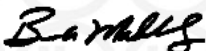
Standard(s) for Safety: UL2583, Fuel Tank Accessories

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and
covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





A CENTURY'S WORTH OF INNOVATION

Clay & Bailey Mfg. Co.

Gen Set Shallow Tank Overfill Prevention Valve



01228-03-43XXYY

01228-03-42XXYY

The Clay & Bailey #01228 Overfill Prevention valve is designed to prevent overfill of storage tanks by providing a positive shut-off of products delivery.

Features

- Designed to achieve maximum fuel storage in tank.
- Comes with diffuser that reduces Diesel foam inside the tank.
- Provides positive shut off of fuel.
- Accepts fuel delivery up to 100 psi.
- Can be installed in a spill containment box.
- Fits through a 4" opening.
- Tight fill connection is required.
- The valve can be set to the desired 90% or 95% shut-off level by adjusting the length of Fill Pipe and Drop tube.
- After the valve closes, it allows less than 2% of the maximum flow once closed. This allowance relieves the pressure in the fill line.
- Minimum operating pressure is 5 PSI

Part#

1228-03-42xxyy Gen Set OPV with Cam Adaptor Collar

1228-03-43xxyy Gen Set OPV with Threaded Collar

XX Denotes Fill Pipe Length

YY Denotes Drop Tube Length

Code Compliance

PEI/RP 1400, PEI/RP 600, PEI/RP 200, NFPA 30, UFC.

UL 2583 and ULC-S661 Listed Florida DEP EQ-908.

Use with clean fuels only.



US Patent #10,139,841



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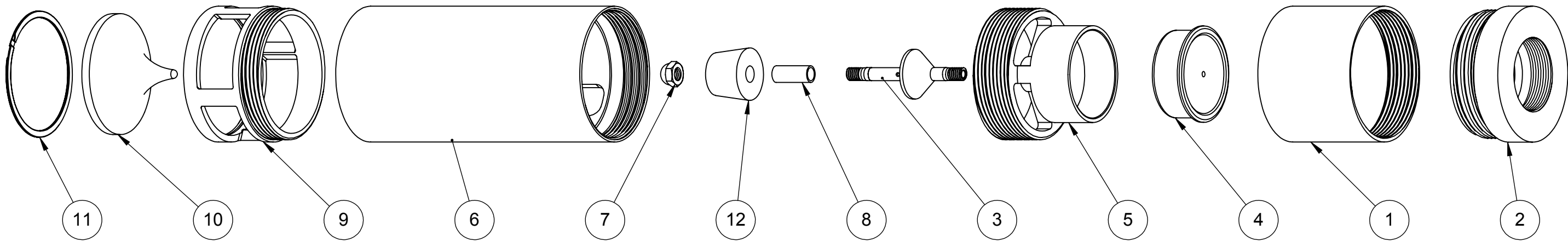
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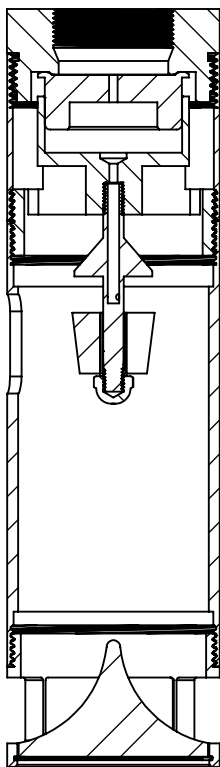
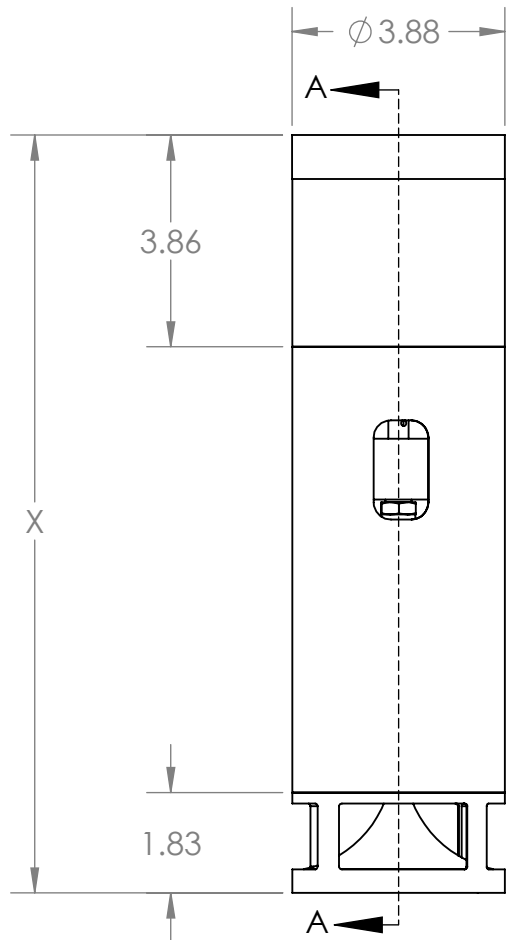
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

B



B



SECTION A-A
SCALE 1 : 3.5

Part Number Nomenclature:

1228-03-42XXYY OPV with Cam Adapter Collar
1228-03-43XXYY OPV with Threaded Collar

XX Denotes Fill Pipe Length
YY Denotes Drop Tube Length

- NOTES**
1. DEBURR ALL SHARP EDGES AND CORNERS AS NEEDED.
2. ADD LOCTITE THREADLOCKER RED 271
3. X- OVERALL LENGTH VARIES BASED ON TANK DIMENSIONS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	01228-03-4001	BODY HOUSING	1
2	01228-03-4002	INLET CAP/PISTON SEAT	1
3	01228-03-4005	FLOAT TUBE	1
4	01228-03-4003	PISTON	1
5	01228-03-4004	BASE PISTON CHAMBER	1
6	01228-03-4006X	DROP TUBE	1
7	01228-03-4008	3/8-16 ACORN NUTS ALUM	1
8	01228-03-4009	FLOAT SLEEVE	1
9	01228-03-4010	DIFFUSER BODY	1
10	01228-03-4011	DIFFUSER BASE	1
11	01228-07-4007	3.5" INTERNAL RETAINING RING	1
12	01228-13-4007	FLOAT POLYURETHANE	1

THIS DRAWING AND CONCEPTS DISCLOSED THEREON BELONG EXCLUSIVELY TO CLAY & BAILEY WHOSE PROPRIETARY RIGHTS THEREIN SHALL NOT BE APPROPRIATED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT.

UNLESS OTHERWISE SPECIFIED:		COMMENTS:	CLAY & BAILEY MFG CO.		
DIMENSIONS ARE IN INCHES			TITLE:		
TOLERANCES:			GEN SET OVERFILL VALVE		
.X +/-0.100			REV	DWG NO.	DRAWN BY:
.XX +/-0.030				01228-03-42XXYY OR 43XXYY	AB
.XXX +/-0.010					
.XXXX +/-0.0005					
ANGLES +/-0.5					
MATERIAL:		DATE:08/20/18		APPROVED BY: BB	SHEET 1 OF 1

A

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 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-42XXYY OR 01228-03-43XXYY OPV	Section
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Installation of 01228-03-42XXYY or 43XXYY Gen Set
Overfill Prevention Valves



Revised by Scott Colley	Approved by Don David
Position Engineer	Position Sr. Engineer
Date: November 22, 2017	Date: November 22, 2017

Revision	Date:09/07/2017
0	Modified:

REVISION LOG

[illegible]

 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-42XXYY OR 01228-03-43XXYY OPV	Section
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1. OBJECTIVE.

To provide installation procedure for Gen Set 01228-03-42XXYY or 43XXYY Overfill Prevention Valve (OPV).

2. SCOPE.

Installation of 01228-03-42XXYY or 43XXYY Overfill Prevention Valve (OPV) in a tank. The following instructions are only to be used with these OPV's.

3. REFERENCE DOCUMENT.

N/A

4. RESPONSIBLE.

The Engineering Manager of **Clay & Bailey Mfg. Co.** is for upkeep and maintenance of this procedure.

5. ACTIVITY DESCRIPTION.

Installation and Operation Instruction for the 01228-03-42XXYY or 43XXYY Overfill Prevention Valves

The Gen Set OP Valve is installed at the fill port of a storage tank. Designed for a tight fill application, the valve prevents tank overfills by closing product delivery when the liquid level reaches a pre-set level (typically 90%-95% full). The valve is installed through a 4" threaded opening.

DANGER

FAILURE TO FOLLOW ANY OF THE WARNINGS AND INSTRUCTIONS IN THIS DOCUMENT COULD RESULT IN A HAZARDOUS LIQUID SPILL, AND CONSEQUENTLY IN ENVIRONMENTAL CONTAMINATION, PROPERTY DAMAGE, FIRE, EXPLOSION, AND/OR SERIOUS INJURY OR DEATH.

THE GEN SET 01228-03-42XXYY OR 43XXYY 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.

 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-42XXYY OR 01228-03-43XXYY OPV	Section
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INSTALLATION

Warnings!

1. **Fire Hazard – Extremely dangerous situation including death or serious injury could result from spilled liquids.**
2. Any modification to this valve that does not follow these installation instructions will void the product warranty.
3. This valve is to be used with diesel and gasoline fuels only.
4. Maximum allowable fill pressure is 100 psi.
5. This valve shall not be the only overfill prevention system in a tank. The operator shall continuously monitor the tank level to prevent any spillage even with properly functioning valve.
6. The valve shall be used with clean liquid only. Contamination suspended in the liquid may cause the valve to malfunction.
7. This valve is to be used with a closed fill, liquid tight connection only.
8. All delivery system fill lines, valves, devices must function properly and be correctly set prior to filling.
9. Install in accordance with all applicable local, state, and federal laws.
10. For your safety, it is important to follow applicable local, state, federal and/or OSHA rules for working around storage tank and piping area. Always use all required personal protective equipment.
11. Tank could be under pressure. Vapor could escape from tank piping, vents, valves or fittings during installation and catch fire or cause an explosion. Do not use hot tools or open flame, eliminate sparks or any source of ignition when working on valves and around tanks.
12. Fill points shall be properly labeled to identify handled product according to all applicable codes.

 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-42XXYY OR 01228-03-43XXYY OPV	Section
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13. When not filling install either camlock cap or threaded cap on the top of the adaptor to protect valve internals and prevent entrance of contaminants and exposure to environmental elements. The only time when cap is removed is during filling.

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

1. Remove the valve from the box and remove all packaging material. Check the valve for any shipping damage. Inspect the valve and check for the following:
 - a. Inspect the float for damage such as breaks, cracks and float tube break outs.
 - b. Inspect the valve for cracks, breaks, dents and damaged threads.

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

2. Check for freedom of movement of the float and valve by inverting the valve upside down and listening for the float and the piston to move in the shut position. The float and the piston should move freely. Set the valve upright and the float and piston should move to the open position. This is to ensure there is no binding inside the valve.
3. Record the serial number on the valve.
4. Attach the drop tube section to the bottom of the valve. Make sure not to use a wrench. The drop tube only needs to be hand tight. Apply a non-hardening fuel resistant sealant sparingly to male threads of the fill pipe. Tighten the fill pipe to the top of the valve. Do not over tighten!

Caution! Excessive use of thread sealant may cause the valve to function improperly. Application of thread sealant should be to male threaded members of the system only (to reduce the probability of sealant being forced inside the system).

 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-42XXYY OR 01228-03-43XXYY OPV	Section
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5. Inspect the inside of the riser pipe on the tank and/or spill containment box for burrs and obstruction that may interfere with the valve installation, prevent the valve from going into the tank, and/or cause damage to the valve during installation.
6. Install valve carefully through the 4" riser pipe or pipe nipple in the spill containment box and thread the camlock or threaded adaptor onto the riser pipe or nipple inside the spill containment and tighten the adaptor by hand. Insure that the window in drop tube is facing toward the center of the tank. Make sure not to use a wrench. The adaptor only needs to be hand tight.

Caution! Do not force the valve through the opening as this may cause damage to the valve or prevent the valve from operating properly.

7. Place warning decals / warning labels on the tank in a location where it is readily visible.

OPERATING PROCEDURES

DANGER

THE 01228-03-42XXYY OR 43XXYY 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!

CAUTION!

READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE OPERATING THIS DEVICE. FAILURE TO FOLLOW INSTRUCTIONS IN THIS DOCUMENT COULD RESULT IN A HAZARDOUS LIQUID SPILL.

Before Filling:

1. Insure that the bypass valve on the transport pump is working properly.
2. Do not exceed 100 psig delivery pressure.
3. Inspect delivery hose and fittings for wear and damage.

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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 Determine the Tank Level by Sticking the Gauge Stick or any Object Through the Fill Valve!!!

This Will Damage the Valve and Prevent It from Operating Properly!!!

Filling and Disconnection Process:

1. Connect the delivery coupler to the fill adaptor.
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 a cap. The camlock cap or threaded cap shall be installed on the top of the adaptor to protect valve internals and prevent entrance of contaminants and exposure to environmental elements. The cap shall be in place all the time and removed only during filling.

Warning! Do Not Determine the Tank Level by Sticking the Gauge Stick or any Object Through the Fill Valve!!!

This Will Damage the Valve and Prevent It from Operating Properly!!!



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: January 2017

Incorporated in Rule 62-762.851, F.A.C.

Storage Tank Equipment Registration Form

Fill out completely

General Information

Company Name: Clay and Bailey Mfg. Co.

Contact Name: Brad Holmes

Company Address: 6401 East 40th Street

City: Kansas City

Zip: 64129

E-mail: bholmes@claybailey.com

Contact Number: 800-821-6583

Product Name: 01228-03-41XX Series Overfill Protection Valves

Model Number(s): 01228-03-41XX Series

Product Type: Overfill Protection Devices

Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested: 62-762.501 (2)(e), F.A.C.

Write a brief description of equipment registration request including product limitations:

The Clay & Bailey Overfill Protection Valve 01228-03-41XX Series, UL File No. MH25085 Overfill Protection Devices for storage tank systems is utilized in the pressurized tight fill connection applications. The valve prevents tank overfills by shutting off when the liquid level reaches predetermined level at 90 to 95% of tank capacity. The valve eliminates hazardous liquid spills when installed in accordance with manufacturer's installation instructions.

Information Checklist

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory?	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☒	☐	☐
4. Installation instructions included?	☒	☐	☐
5. Technical information and drawings included?	☒	☐	☐
6. Annual Operability Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702 F.A.C.)?	☒	☐	☐
7. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☐	☒	☐
8. Has the product been approved or registered in other countries or states? (If so provide list)	☒	☐	☐
9. Any requirements for company-certified installers or trainers?	☐	☒	☐
10. Was this product(s) previously approved or registered by the Department?	☐	☒	☐
If yes, please specify the Equipment Number: <u>EQ-_____</u>			
11. Any changes or modifications to the equipment since the last submittal to DEP?	☐	☐	☒

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@dep.state.fl.us, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

The Clay & Bailey Overfill Protection Valve 01228-03-41XX Series, UL File No. MH25085 Overfill Protection Devices for storage tank systems must be installed and tested in accordance with Installation Instruction prior to being placed into service and recorded in accordance with Rule 62-762.711, F.A.C. requirements.

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Brad Holmes, Sales Manager

Printed Name and Title

Brad Holmes

Signature

Digitally signed by Brad Holmes
Date: 2018.11.26 11:43:11 -06'00'

11/26/2018

Date

For Department Use Only:

Date Application Received: 11/26/2018 Renew By 11/29/2023

Application complete:

Yes: ☒ No: ☐

EQ- 908

Date of complete or incomplete letter sent: 11/29/2018

Date of entry to the DEP Equipment Registration List: 11/29/2018

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Installation of 01228-03-41XX Gen Set Overfill Prevention Valves



Revised by Scott Colley	Approved by Don David
Position Engineer	Position Sr. Engineer
Date: November 22, 2017	Date: November 22, 2017

Revision	Date:09/07/2017
0	Modified:

REVISION LOG

[illegible]

CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-41XX OPV		Section
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1. OBJECTIVE.

To provide installation procedure for Gen Set 01228-03-41XX Overfill Prevention Valve (OPV).

2. SCOPE.

Installation of 01228-03-41XX Overfill Prevention Valve (OPV) in a tank. The following instructions are only to be used with the Gen Set 01228-03-41XX OPV's.

3. REFERENCE DOCUMENT.

N/A

4. RESPONSIBLE.

The Engineering Manager of **Clay & Bailey Mfg. Co.** is for upkeep and maintenance of this procedure.

5. ACTIVITY DESCRIPTION.

Installation and Operation Instruction for the 01228-03-41XX Overfill Prevention Valves

The Gen Set OP Valve is installed at the fill port of a storage tank. Designed for a tight fill application, the valve prevents tank overfills by closing product delivery when the liquid level reaches a pre-set level (typically 90%-95% full). The valve is installed through a 4" threaded opening.

DANGER

FAILURE TO FOLLOW ANY OF THE WARNINGS AND INSTRUCTIONS IN THIS DOCUMENT COULD RESULT IN A HAZARDOUS LIQUID SPILL, AND CONSEQUENTLY IN ENVIRONMENTAL CONTAMINATION, PROPERTY DAMAGE, FIRE, EXPLOSION, AND/OR SERIOUS INJURY OR DEATH. THE GEN SET 01228-03-41XX 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 PRESULT IN AN EXTREMELY DANGEROUS SITUATION.

 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-41XX OPV	Section
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INSTALLATION

Warnings!

1. **Fire Hazard – Extremely dangerous situation including death or serious injury could result from spilled liquids.**
2. Any modification to this valve that does not follow these installation instructions will void the product warranty.
3. This valve is to be used with diesel and gasoline fuels only.
4. Maximum allowable fill pressure is 100 psi.
5. This valve shall not be the only overfill prevention system in a tank. The operator shall continuously monitor the tank level to prevent any spillage even with properly functioning valve.
6. The valve shall be used with clean liquid only. Contamination suspended in the liquid may cause the valve to malfunction.
7. This valve is to be used with a closed fill, liquid tight connection only.
8. All delivery system fill lines, valves, devices must function properly and be correctly set prior to filling.
9. Install in accordance with all applicable local, state, and federal laws.
10. For your safety, it is important to follow applicable local, state, federal and/or OSHA rules for working around storage tank and piping area. Always use all required personal protective equipment.
11. Tank could be under pressure. Vapor could escape from tank piping, vents, valves or fittings during installation and catch fire or cause an explosion. Do not use hot tools or open flame, eliminate sparks or any source of ignition when working on valves and around tanks.
12. Fill points shall be properly labeled to identify handled product according to all applicable codes.

CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-41XX OPV	Section
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13. When not filling install either camlock cap or threaded cap on the top of the adaptor to protect valve internals and prevent entrance of contaminants and exposure to environmental elements. The only time when cap is removed is during filling.

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

1. Remove the valve from the box and remove all packaging material. Check the valve for any shipping damage. Inspect the valve and check for the following:
 - a. Inspect the float for damage such as breaks, cracks and float tube break outs.
 - b. Inspect the valve for cracks, breaks, dents and damaged threads.

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

2. Check for freedom of movement of the float and valve by inverting the valve upside down and listening for the float and the piston to move in the shut position. The float and the piston should move freely. Set the valve upright and the float and piston should move to the open position. This is to ensure there is no binding inside the valve.
3. Record the serial number on the valve.
4. Attach the drop tube section to the bottom of the valve. Make sure not to use a wrench. The drop tube only needs to be hand tight. Apply a non-hardening fuel resistant sealant sparingly to male threads of the fill pipe. Tighten the fill pipe to the top of the valve. Do not over tighten!

Caution! Excessive use of thread sealant may cause the valve to function improperly. Application of thread sealant should be to male threaded members of the system only (to reduce the probability of sealant being forced inside the system).

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5. Inspect the inside of the riser pipe on the tank and/or spill containment box for burrs and obstruction that may interfere with the valve installation, prevent the valve from going into the tank, and/or cause damage to the valve during installation.
6. Install valve carefully through the 4" riser pipe or pipe nipple in the spill containment box and thread the camlock or threaded adaptor onto the riser pipe or nipple inside the spill containment and tighten the adaptor by hand. Insure that the window in drop tube is facing toward the center of the tank. Make sure not to use a wrench. The adaptor only needs to be hand tight.

Caution! Do not force the valve through the opening as this may cause damage to the valve or prevent the valve from operating properly.

7. Place warning decals / warning labels on the tank in a location where it is readily visible.

OPERATING PROCEDURES

DANGER

THE 01228-03-41XX 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!

CAUTION!

READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE OPERATING THIS DEVICE. FAILURE TO FOLLOW INSTRUCTIONS IN THIS DOCUMENT COULD RESULT IN A HAZARDOUS LIQUID SPILL.

Before Filling:

1. Insure that the bypass valve on the transport pump is working properly.
2. Do not exceed 100 psig delivery pressure.
3. Inspect delivery hose and fittings for wear and damage.

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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 Determine the Tank Level by Sticking the Gauge Stick or any Object Through the Fill Valve!!!

This Will Damage the Valve and Prevent It from Operating Properly!!!

Filling and Disconnection Process:

1. Connect the delivery coupler to the fill adaptor.
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 a cap. The camlock cap or threaded cap shall be installed on the top of the adaptor to protect valve internals and prevent entrance of contaminants and exposure to environmental elements. The cap shall be in place all the time and removed only during filling.

Warning! Do Not Determine the Tank Level by Sticking the Gauge Stick or any Object Through the Fill Valve!!!

This Will Damage the Valve and Prevent It from Operating Properly!!!

 CLAY & BAILEY Mfg. Co. <i>Since 1913</i>		PROCEDURE FOR INSTALLATION OF 01228-03-41XX OPV	Section
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6. RECORDS.

N/A

7. ANNEXES.

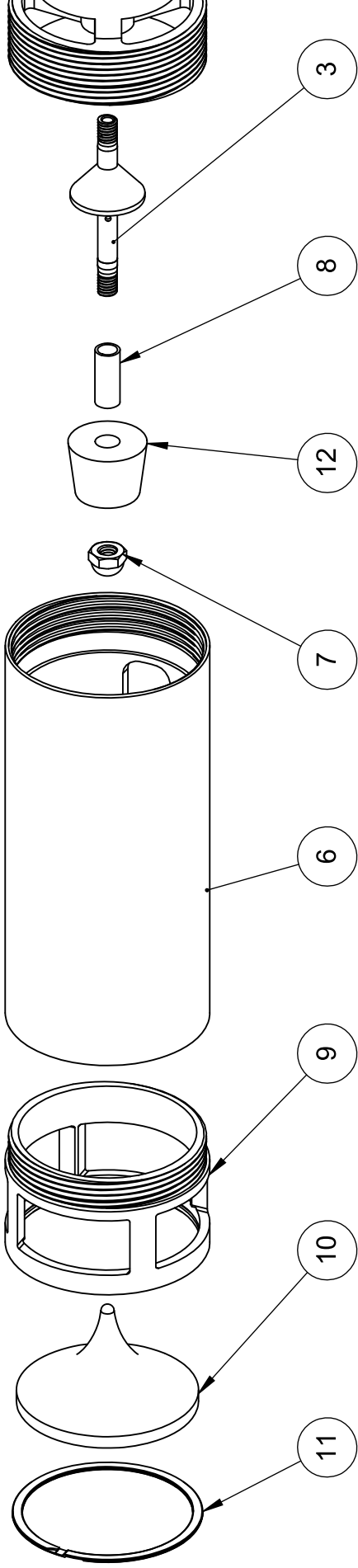
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2

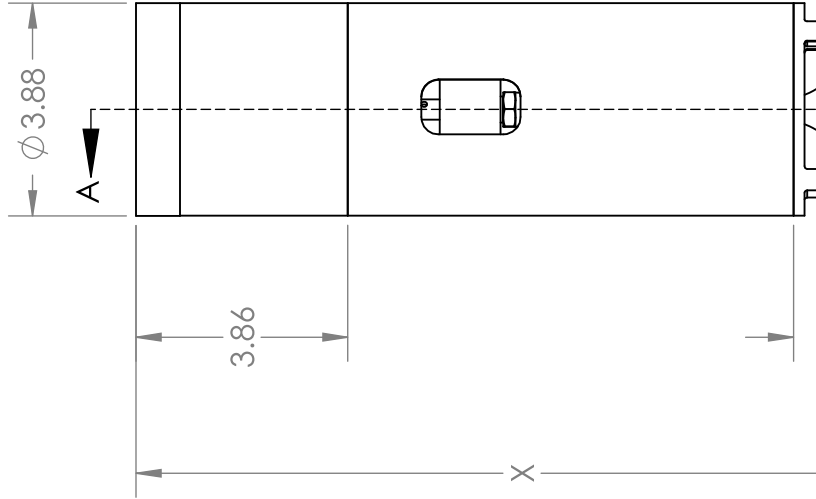
3

4

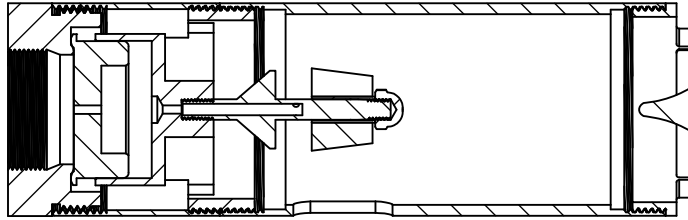
ZONE	REV.



B



A



ITEM NO.	PART
1	01228-03
2	01228-03
3	01228-03
4	01228-03
5	01228-03
6	01228-03
7	01228-03
8	01228-03
9	01228-03
10	01228-03

CERTIFICATE OF COMPLIANCE

Certificate Number 20181101-MH25085
Report Reference MH25085-20170517
Issue Date 2018-NOVEMBER-01

Issued to: CLAY & BAILEY MFG CO
6401 E 40Th St, Kansas City MO 64129-1711

**This certificate confirms that
representative samples of**

TANK ACCESSORIES FOR FLAMMABLE AND
COMBUSTIBLE LIQUIDS

USL - Overfill Prevention Devices, Models: 1228-03-2200,
1228-03-2400, 2x4 OP, 3x4 OP and 4x6 OP.

**USL, CNL – Automatic Pressure-filled type Overfill
Protection Devices, Model: 01228-03-41XX**, where XX
represent the length of the drop tube. Maximum rated
pressure of 50 psi and for use with Class 1 liquids.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

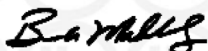
Standard(s) for Safety: UL2583, Fuel Tank Accessories

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and
covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



DEP Form 62-762.901(9) Information Checklist Additional Information:

Item number:

1. The Clay & Bailey Overfill Protection Valve 1228-03-41XX Series, UL File No. MH25085. Please see attached UL Certificate.
2. UL evaluation documentation is proprietary. Overfill Prevention Valve (OPV) is UL listed as shown on the Online Certifications Directory below and attached UL Certificate of Compliance.

The screenshot displays the UL Product iQ website interface. At the top, there is a red navigation bar with the 'UL Product iQ' logo, a search bar, and links for 'BORIS' and 'CONTACT US'. Below this is a yellow banner for 'Product iQ tip' with a 'Tags' section and a 'LEARN MORE' button. The main content area is titled 'EGVV.MH25085 - TANK ACCESSORIES FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS'. It features a 'DOCUMENT' tab and a 'COMPANY INFORMATION' tab. The 'COMPANY INFORMATION' tab is active, showing details for 'CLAY & BAILEY MFG CO' located at 6401 E 40th St, Kansas City, MO 64129-1711 USA. The product is identified as 'Automatic Pressure-filled type Overfill Protection Devices, Model(s) 01228-03-41XX @'. A list of emergency vents and overfill prevention devices is provided, along with spill container information. On the right side, there is a sidebar with 'File No. MH25085', 'CCN EGVV', 'Document Type Listing', and 'Parent CCN WWXR'. Below this, there are links for 'UL CONFIRMATION LETTER', 'GUIDE INFO (EGVV)', 'PRINT', and 'EMAIL'. The bottom of the page shows a Windows taskbar with various application icons.

3. UL is nationally and internationally recognized testing laboratory that provides safety-related certification, validation, testing, inspection, auditing, advising and training services to a wide range of clients, including manufacturers, retailers, policymakers, etc. More information can be found on UL's website: www.ul.com
4. Installation instructions are included; Installation Instruction for 1228-03-41XX OPV.
5. Drawings and technical information are included.
6. Annual Operability Testing of OPV is performed via level gauge or high level warning alarm.
8. 1228-03-41XX Series is also approved in Canada, ULC.

From: [Boris Bajic](#)
To: [Curran, Kimberley](#)
Cc: [Brad Holmes](#)
Subject: RE: Storage Tank Equipment Registration Request - 01228-03-41XX Series Overfill Protection Valve
Date: Tuesday, November 27, 2018 2:46:35 PM

Kim,

The 01228-03-41XX Series Overfill Protection Valve is investigated by UL and found to be in compliance with the following standards:

1. For US – UL2583, Fuel Tank Accessories
2. For Canada – CAN/ULC-S661, Overfill Protection Devices for Flammable and Combustible Liquid Storage Tanks

UL2583 states that these devices are intended for use with storage tanks or fueling systems containing automotive fuels and similar fuels, including Diesel Fuel Oils, B5 (up to 5% biodiesel) and B20 (6% to 20% biodiesel), gasoline, and gasoline with ethanol blends up to a maximum of 10% (E10).

CAN/ULC-S661 states that **Class I** devices are suitable for use with flammable liquids and combustible liquids, described in Clause 1.1.1., including gasoline, fuel oil, kerosene and diesel fuel, gasoline with small amounts of additives such as detergents, solvents for detergents and anti-icing chemicals, diesel with up to 5% biodiesel (B5) and gasoline with up to 15% ethanol (E15).

UL2583 and CAN/ULC-S661 are not harmonized, hence the 01228-03-41XX Series Overfill Protection Valve was tested in accordance with both of these standards.

In summary, the 01228-03-41XX Series Overfill Protection Valve is designed and tested by UL / ULC for use with gasoline and diesel.

Please note that that pressure noted in UL documents is Maximum **rated** pressure of 50 psi which is not to be confused with Maximum Fill (Operating) Pressure of 100 psi. UL is using reference pressure of 50 psi for flow rating. Our Overfill Protection Valve can operate well above 50 psi and up to 100 psi.

Please review and let me know if you have any questions.

Thanks,
Boris Bajic

From: Curran, Kimberley [<mailto:Kimberley.Curran@dep.state.fl.us>]
Sent: Monday, November 26, 2018 2:01 PM
To: Brad Holmes
Subject: FW: Storage Tank Equipment Registration Request - 01228-03-41XX Series Overfill Protection Valve

Mr. Holmes,

Thank you for submitting your equipment registration request for your overfill protection valve series.

I have two questions. On your installation page it states this can be used with Gasoline and Diesel, however, the UL document states only Class 1 liquids. Also on the install page you state max fill pressure is 100 psi and UL states 50 psi.

Thanks for any clarity you can provide.

Kim



Kim Curran

Environmental Consultant
Storage Tank Compliance
Florida Department of Environmental Protection
Tallahassee, Florida 32399-2400
Kimberley.Curran@floridadep.gov
Office: 850.245.8849
Website: [Storage Tank Compliance](#)

From: Tanknotify

Sent: Monday, November 26, 2018 12:56 PM

To: Curran, Kimberley <Kimberley.Curran@dep.state.fl.us>; Dusky, Roberta; Walker, Kim (Waste) <Kim.Walker@FloridaDEP.gov>; Burns, Bill <Bill.Burns@dep.state.fl.us>; Dougherty, Brian <Brian.Dougherty@dep.state.fl.us>; Compton, Elena <Elena.Compton@dep.state.fl.us>

Subject: FW: Storage Tank Equipment Registration Request - 01228-03-41XX Series Overfill Protection Valve

From: Boris Bajic

Sent: Monday, November 26, 2018 5:55:41 PM (UTC+00:00) Monrovia, Reykjavik

To: Tanknotify

Subject: Storage Tank Equipment Registration Request - 01228-03-41XX Series Overfill Protection Valve

Florida Department of Environmental Protection

To Whom It May Concern:

Below is the package for the registering of 01228-03-41XX Series Overfill Protection Valve with Florida DEP.

The package contains the following documents:

1. Form 62-762.901(9)
2. Additional Information that supplements Form 62-762.901(9)
3. UL Certificate of Compliance
4. Installation instructions
5. Drawings and Technical Information

Please contact me with any questions.

Thanks,

Boris Bajic
Engineering Manager
Clay and Bailey Mfg.
Phone: 816-888-8890
Email: bbajic@claybailey.com

