KRUEGER SENTRY GAUGE
1873 SIESTA LANE GREEN BAY, WI 54313 | 920-434-8860 | www.ksentry.com

Overfill Gauge – Type OF

Top mounted pop up gauge that can measure from 6 inches to 76 inches in Length. Bushing size can be 2", 1.5" or .75". Gauges are custom made in house to fit your application. Most Overfill Alert Gauges are between 6 inches and 12 inches. They are designed to pop up at a specific level (usually 90 percent) and warn you that the tank is almost full. Provides visual overfill warning.



Calibration: Consists of 3 pieces –
Outer plastic piece, inner plastic piece, and a piece of paper in between.
Upgrades: Inner glass or Solid Glass

Lock Nut: HDPE Plastic
Also available in aluminum, stainless steel, and PVC.

Bushing: Aluminum
Can be 2" or 1.5" NPT, and .75'' NPS.
PVC (NPS) and Stainless steel options also available

Internal Rods: Standard construction is Aluminum
Additional options are stainless steel rods, peek rods, or Kynar (PVDF) rods.

Float: HDPE
Also available in Stainless Steel or Nitrophyll.

Part Number—
OF-(size opening)-(overfill warning level)-(list options)
Example: OF-2-8

Material Options:

- **Standard Therma Gauge**-Type OF-Rods are galvanized steel, floats are HDPE plastic, bushing is aluminum, calibration top is plastic.
- **Stainless Level One**-Type OF-S1- Rods become stainless.
- **Stainless Level Two**-Type -OF-S2- Rods and floats become stainless.
- **Stainless Level Three**-Type OF-S3- This model comes standard with Glass Calibration, Aluminum Locking Nut, Stainless Steel Bushing, Stainless Steel Rods, and Stainless Steel Floats.
- **All Plastic Model**—Type PO—This model comes standard with Glass Calibration, PVC Gauge Guard, PVC Bushing, PEEK Plastic Rods, HDPE Plastic Float.

Material Limitations:
Standard choices are listed on picture to the left.
Stainless Steel Floats: Not available in .75'' opening
Max level is 40''

Accessories & Add-ons:

- Gauge Guard: A cover that protects the exposed plastic components on top of the gauge.

- Audible Alarm: Can turn your mechanical gauge into an audible overfill warning.

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Accessories and Replacement Parts

Accessories

Direct Mount Alarms- Audible alarm that mounts directly to the gauge and provides your choice of overfill or low-level warnings.
(part # add -DAlarm)
Remote Mount Alarms- Audible alarm that can be remotely wired and provides your choice of overfill or low-level warnings.
(part # add -RAlarm)



Direct Mount Alarm

Remote Alarm



Gauge Guard



Aluminum Lock Nut



Inner Glass Calibration

Solid Glass Calibration



Upgrades / Add-ons

Aluminum Lock Nut- Replace the red lock nut for added durability.
(part # add -ALN)
Gauge Guard- Protective cover that replaces the red locking nut providing protection from physical damage, weathering damage, and helps with passing fire inspections.
(part # add -ALG)
Inner Glass Calibration- The internal piece of the calibration becomes glass. Provides protection from heat, fumes, weathering, and helps with passing fire inspections. (part # add -GLC)
Solid Glass Calibration- Calibration is a solid glass. Increases resistance to a variety of environmental factors including sun damage, heat damage, and weathering. (Requires aluminum lock nut)

Replacement Parts

OF-Kit- Replaces all the top components with standard materials.
OFG-Kit- Replaces all the top components with standard materials and a glass calibration.
OFALN-Kit- Replaces all the top components with standard materials and an aluminum lock nut.
OFGALN-Kit- Replaces the top components with a glass calibration and aluminum lock nut.
OFSG-KIT- Replaces the top components with a solid glass calibration and aluminum lock nut.



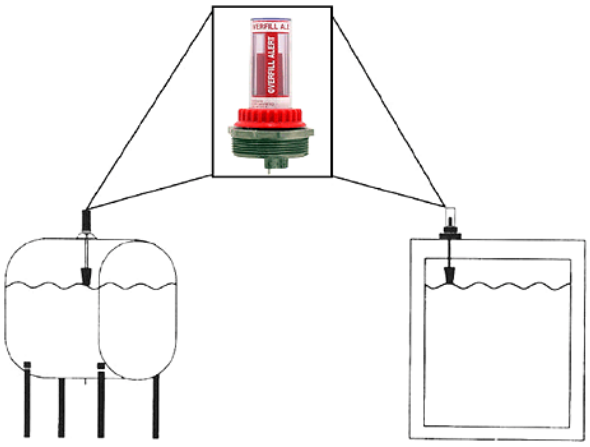
OFSG-KIT

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Ordering, Installation, Maintenance and Operation

It is the customers responsibility to ensure that we receive the proper measurements for correct overfill warning.

The Length of the overfill gauge shall be the distance from the top of your gauge threads to the **full mark** in your tank.
Most regulations state that your **full mark** should be no less than 90% capacity, and no more that 95% capacity.



Installation Instructions:

When installing, do not dissemble anything. Simply drop the gauge as it is through your tank fitting. Thread the aluminum bushing down until snug. Be careful not to cross thread. The gauge is then ready to go.

Instructions for Operation:

This gauge is a simple visual tool. If the red indicator rises into the viewing window, it is indicating that your tank is near full. Once installed you simply view the calibration during filling to determine when your tank is near full. The indicator is not calibrated. It simply indicates overfill or not.

Ordering Instructions:

Part Number Layout:
O—Size Opening—Gauge Length—Accessories

1. State the gauge type (Type OF for metal or Type PO for all plastic)
2. State the opening size you are using. (.75", 1.5", 2")
3. State the warning level (pictured left).
5. List the material package you prefer for best compatibility with your liquid. Material packages are explained on page 1 of this document. *Skip this if you want standard materials*
6. List other material options and accessories that you prefer. These options and accessories can be located on page 2 of this document. *Skip this if you want standard materials.*

Maintenance:

The Overfill Alert Gauge can fail in one of three ways.

- The calibration assembly on the outside of the tank can become weathered, unreadable, or broken.
- The connecting rods that extend into the tank can come apart or become damaged.
- The float that sits at the bottom of the gauge can come off or become saturated with product (leak).

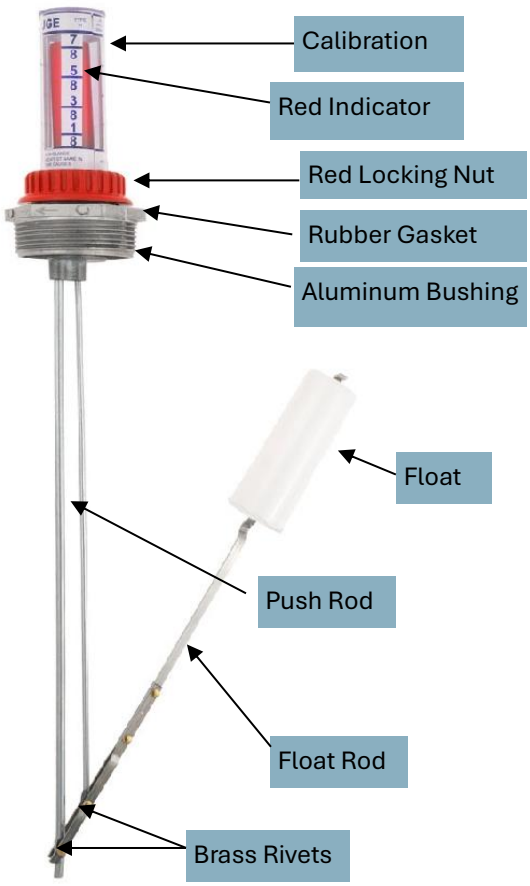
Recommended Maintenance Procedures:
When performing maintenance, be sure to follow the installation instructions to prevent damaging the gauge.

- Once per month: Inspect the top of the unit once per month to ensure that the calibration is visible, readable, and unbroken. *these top pieces can be easily replaced without having to replace the whole gauge*

- Once every 6 months: Unthread the unit and remove it from the tank. Be sure rods and float are connected as one piece from the red indicator all the way down to the float. Also inspect the float for damage or leakage. To ensure proper working order, manually raise the float arm from empty to full to be sure that the red indicator freely moves up and down with the motion of the float rod.

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FAQ's and Troubleshooting



Helpful Information:

- Restocking Fee is typically 25% but may vary depending on the individual situation and the type of gauge.
- 1 year warranty after date of purchase
- PSI rating for gauges is 70 PSI



Solid Glass



Inner Glass


Gauge Guard

Frequently Asked Questions:

Q: What is the function of the Overfill gauge?
A: Most Overfill Alert Gauges are between 6 inches and 12 inches. They are designed to pop up at a specific level (usually 90 percent) and warn you that the tank is almost full. Provides visual overfill warning.

Q: The top plastic portion of my gauge has become damaged or weathered, what can I do?
A: The top of the gauge is easily replaced, just order a OF-Repair Kit which replaces all of the top components of the gauge.

Q: How can I prevent the top of my gauge from becoming weathered or warped in the future?
A: Several upgrades exist that improve the life and performance of the gauge. The glass calibration, which makes the internal part of the calibration into glass, increases the gauges resistance to heat, fumes, and sun.

Q: My gauge top keeps getting broken by hoses/weather/people, do you have a more durable option?
A: We offer something called a Gauge Guard. This is an aluminum cage that replaces the red lock nut and protects the top of your gauge from physical damage and weathering.

Q: The fire inspector says my gauge is not up to code? How can I satisfy their requirements.
A: If you get the glass calibration and the gauge guard, you are creating a glass and metal barrier between the inside of the tank and the external environment. Explain this to your inspector and see if it satisfies their requirements.

Q: I have aggressive chemicals that I need to gauge, will this work?
A: Our gauge has many material options, including all stainless components or all plastic components. We can help with determining what material option you need, but compatibility is ultimately the end user's decision.