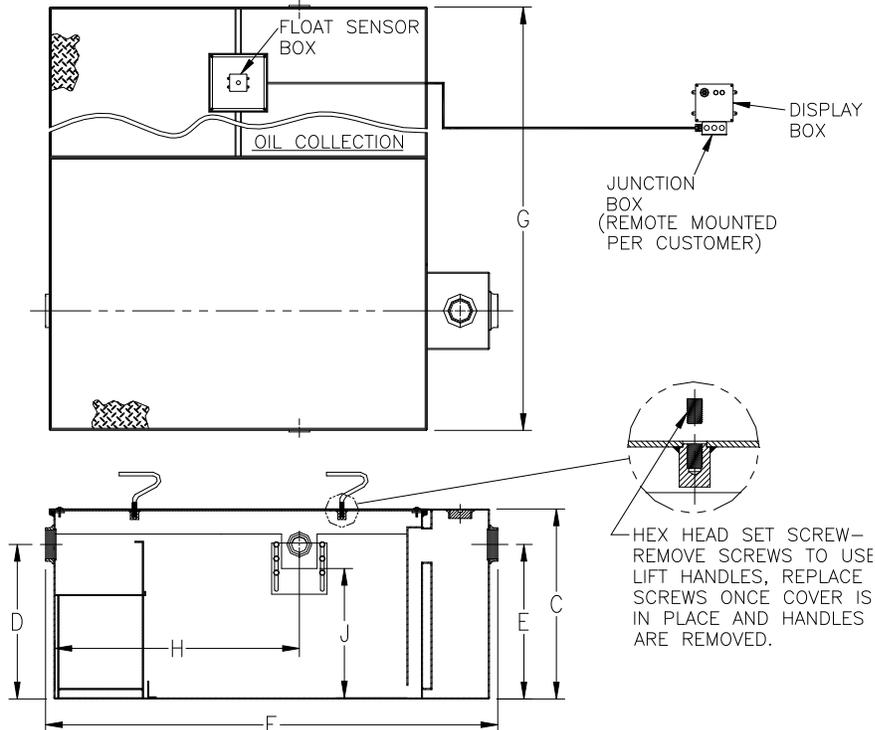




Z1198-ST LARGE CAPACITY OIL INTERCEPTOR W/ INTEGRAL STORAGE TANK & OIL LEVEL FLOAT SENSOR OPERATION & MAINTENANCE INSTRUCTIONS

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Zurn oil interceptors with oil level sensors are efficient appliances designed to separate oil from water.

Safety Warnings

- Do Not Apply power before you read and complete Start-Up list.
- Do Not remove electrical enclosure cover when main cover is open and electricity is on.
- Do Not expose electrical components to water or oil.
- Caution - Do Not apply power until all provisions of Personal Safety Procedure #29CFR 1910.335 and Lockout and Tag Procedure #29CFR 1910.147 are in Compliance.

Installation

The Zurn Oil Interceptor with Integral Storage Tank and Oil Level Float Sensor must be installed in accordance with the Oil Interceptor Installation Instructions (Form #IT84) and in compliance with local codes and regulations.

Zurn Z1198-ST Oil Interceptor with oil level float sensor is designed for on-the-floor installation, pit installation, or direct bury installation.

Variables That Might Affect Operation

Operators and users of Zurn oil interceptors must be familiar with the variables which may adversely affect the efficiency of the interceptor. These are as follows:

1. Velocity of Incoming Water...A higher velocity of water will contribute to a more turbulent mixture. This will slow the separation process and thereby reduce efficiency.
2. Ratio of oil to water...The higher the ratio of oil to water, the lower the efficiency.
3. Specific gravity (weight) of the oil...Oil with a lower specific gravity will rise to the surface much quicker, while oil with a higher specific gravity will have a tendency to linger toward the bottom, taking a longer time to surface.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

⚠ ADVERTENCIA: Cáncer y daño reproductivo - www.P65Warnings.ca.gov

⚠ AVERTISSEMENT: Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov



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4. Possible presence of detergents in the system...Oil cutting detergents will break the oil into minute particles that can pass through the interceptor.
5. Presence of large particles mixed with the oil...Particles allowed to pass into the interceptor will allow adhesion of the oil to these particles. This reduces efficiency.

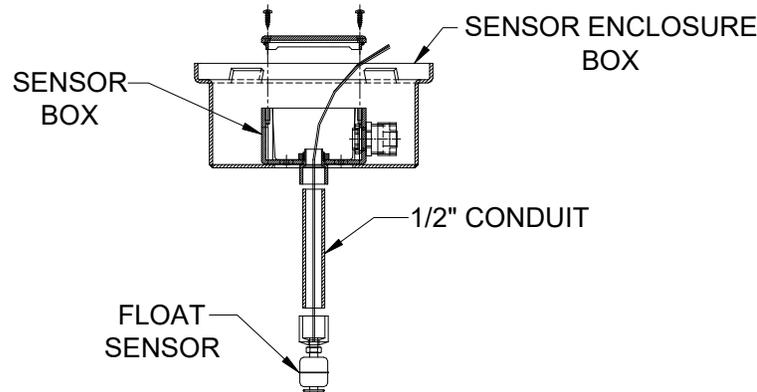
Job condition variables may warrant the use of a larger size interceptor than normal sizing indicates. This will help to ensure efficient operation as variables change throughout the operation cycle. Local codes and job conditions prevail and may warrant alternate sizes.

Prior to doing any trouble shooting on a unit which appears to be malfunctioning, make certain that none of the variables which affect the operation of the unit are present.

Operating Instructions

Float Sensor Installation Instructions

The Float Sensor Assembly within each Z1198-ST Oil Interceptor is factory installed to match the appropriate storage capacity of the unit. If there is a need to field repair or replace the Sensor Assembly, consult the Float Sensor Installation Instructions (Form #IT105).



Wiring Instructions

1. After the Display Box is mounted in the desired location, remove the smaller junction box cover.
2. Locate the two bundles of three wires each inside.
3. One bundle has two black wires (live & neutral), and a green wire (ground) in it. These three wires are to be connected to the dedicated 120V GFCI service. It does not matter which of the black wires gets wired to the live and neutral lines.
4. The other bundle has blue, white, and brown wires in it. The white & brown wires are to be connected to the same colored wires from the float sensor. The blue wire is not used with this sensor and can be capped.
5. All wires should be run in conduit, and in compliance with local codes.

Start Up List

1. Be sure that power is OFF (circuit breaker in off position).
2. Make sure that all connections and fittings are tight and secure
3. Verify that the flow control fitting was properly installed and vented.
4. Remove the interceptor covers to expose the float sensor assembly.
5. Check to make sure that the baffle/sediment basket is installed correctly.
6. The Display Box should be visible and should be connected to a dedicated 120V, 60Hz, GFCI service.
7. Turn the Power on to the Display Box. The green button on the box should light up to indicate power.
8. Raise the bulb of the float sensor to its full upward position (This will simulate a fluid pushing the sensor upward). The red button on the Display Box should light up and an audible alarm should go off. If this does not occur, check to make sure that the sensor is wired properly.
9. Release the float bulb to its downward position. If all steps were completed properly, the Display Box should again show a green light.



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10. Replace covers on the interceptor.
11. The unit is now operational.

Note: All oil level float sensors come installed from the factory and are located to alarm when the storage tank has reached 80% capacity. There should be no need for adjustment of the sensor in the field.

Daily Operation and Maintenance

1. The interceptor must be cleaned on a regular basis. Volume of debris entering unit will determine the cleaning schedule.
2. The unit should be opened, checked, cleaned of debris and the sensor wiped off on a monthly basis.
3. Caution - If substances other than oil have entered the unit, noxious odor may be present.
4. Once the red light and audible alarm have been activated, the service power should be turned OFF to the unit, the interceptor cover removed, and the accumulated oil removed.
5. Caution - There are regulations in all areas regarding the proper disposal of oil and oil products. It is illegal to dispose of this oil in any other manner.
6. Once all of the oil has been removed from the storage tank, check to make sure the float sensor is still in working order and can move up and down freely.
7. Replace the cover and turn the service power on.
8. If all these steps were followed properly, the light on the display should be green and the alarm off.

For other problems or concerns feel free to contact Zurn Industries at (814) 455-0921, or contact your local Zurn Representative.