

Installation, Operation and Maintenance Manual

Orion Trap Door Installation

WARNING



Read this Manual **BEFORE** using this equipment.

Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.

Keep this Manual for future reference.

Installation Notes

For All Trap Doors:

Ensure unit is set on slight pitch toward drainage corner.

Before anchoring in place, ensure that the closed door rests on the frame all the way around. If not, shim under the frame appropriately until the closed door is supported all the way around by the frame.

Orion recommends a 4-6" free space between the bottom edge of the frame and the top of the tank lid.

For Type K, J, and JH20 Trap Doors:

Use caution: cover is spring loaded. Do not remove safety shipping bolt until unit is to be installed and in normal horizontal operating position.

Attention Owners and Users

WARNING

Inclement weather conditions must be considered by the user of these trap doors – use caution at all times. Windy, wet, and icy conditions require extra caution. Depending on door size, type, configuration and surrounding conditions, good judgement may suggest the use of two persons to operate the door. When the door is open, the opening shall be clearly marked and constantly attended for safety reasons. Personal safety equipment should be worn as appropriate when using trap doors.

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Operation Instructions

For Type OR Trap Doors:

Type OR loose cover trap doors are equipped with a 1" diameter hole to facilitate manual cover removal and replacement as required. Safety equipment should be worn as appropriate; extra attention should be paid to hand and foot positions at all times when manouvering cover.

For Type K, J, and JH20 Trap Doors:

Opening from above:

With the included key, remove the slotted screw plug and insert the square shaft of the key through the door and into the latch. Turn key to withdraw latch tongue and lift the door by the key handle or the door edge. Move door to its full open position (full open position is reached when the door will not travel any further in either direction). If double door, open the secondary door by grasping the leading edge of the door and lifting to the full open position.

Closing from above:

Grasp the red vinyl grip and urge it toward the direction of closing while at the same time pulling or pushing on the edge of the door. Close door onto the frame. If double door, close the secondary door first as instructed above and then close the primary door. Replace the slotted screw plug.

Opening from below:

Turn the latch handle and raise door to its full open position. (Full open position is reached when the door will not travel any further in either direction.) If double door, raise the secondary door from above.

Closing from below:

Depending on the door configuration and its size, location and use, it may be desirable to begin the closing procedure from above (grasp the red vinyl grip and urge it toward the direction of closing) and start the door closure prior to descending. The procedure used is dependent upon the particular application and surrounding conditions. If double door, the secondary door shall be closed from above.

Maintenance Instructions

Clear any dirt or debris from the frame area which would prevent the door from seating on the frame when closed.

Channel-shaped frames (on doors so equipped) should be cleaned periodically to ensure unobstructed flow of water to the drain outlet.

Occasional lubrication of all pivoting joints, latch, and rear portion of lower tubular spring housings (if applicable) is recommended.

Steel doors have had an alkyd base red oxide primer applied at the factory to non-galvanized doors. It is recommended that an alkyd base enamel finish coat, in the desired color, be applied after installation. Additional coatings should be applied when needed in ensure maximum service life.

Aluminum doors are mill finish aluminum with no maintenance required. They can be washed periodically if needed or desired to maintain the appearance of the door.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information: Watts.com/prop65

Warranty: Our products are carefully inspected for manufacturing defects. However, it is not always possible to detect hidden defects. Our products are warranted only to the extent that we will replace them without charge if they are proved to have manufacturing defects within one year of the date of delivery to the site where they are to be used, or installed, and provided we have been given an opportunity to inspect any product alleged to be defective and the installation or use thereof.

NO WARRANTY IS INCLUDED AGAINST ANY EXPENSE FOR REMOVAL, REINSTALLATION OR OTHER CONSEQUENTIAL DAMAGES ARISING FROM ANY DEFECT. THE WARRANTIES SET OUT ABOVE ARE THE ONLY WARRANTIES MADE AND ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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