

## IQ150FPW Installation and Operation

Ice Qube's IQ150FPW filtered fan system has been designed for cooling of electronic equipment housed within an enclosure where the electronics can operate at temperatures slightly above ambient and the enclosure may be subjected to splashing water or hose direct wash down.

The IQ150FPW filtered fan system comes complete with intake and exhaust modules, serviceable intake filter, mounting hardware, gasket and power cord.

### Installation

*\*Please read complete instructions thoroughly before beginning installation.\**

Ice Qube's IQ150FPW filtered fan system is shipped to you fully assembled. The intake module has a power cord and a serviceable polypropylene filter. *This filter must be cleaned periodically,* dependent on ambient conditions.

To clean the filter, it is recommended to disconnect electrical power from the intake module. Next, remove the filter cover panel on the front of the intake module by loosening the screws. Remove the filter by pulling the tab at the center of the filter. Clean the filter by soaking it in mild solution of detergent and water, then rinsing in clean, warm water. Use a shopvac to remove excess water from the filter before returning it to the intake module. It is recommended to have an additional clean filter in stock to prevent excessive equipment downtime.

1. Prepare the enclosure by cutting a rectangle and drilling (6) holes for mounting the modules to the enclosure. An opening is also required for the intake module's power cord. (see diagram for rectangle size and hole locations) For best performance, it is recommended to install the intake near the bottom of the enclosure and the exhaust near the top of the enclosure on opposite sides.
2. Apply the provided gasket material to the perimeter of both the intake and exhaust modules. (see gasket diagram). Apply to the side which has the mounting studs protruding.
3. Attach the intake and exhaust modules (gasket side toward enclosure) to the enclosure using the provided mounting hardware. Use a wrench to secure nuts and bolts.
4. Attach the power cord to a properly grounded receptacle of proper voltage and current inside of your enclosure. If a receptacle is not available inside of your enclosure, you will have to provide access for electrical power to the fan.
5. After applying electrical power to the fan, it should begin operation immediately and continuously. *Listen for any unusual noise or vibration.*
6. If you have questions or require assistance, contact **Ice Qube** at **888-867-8234**.



## IQ300FPW - Wash Down Filtered Fan System Installation and Operation Instructions

Ice Qube's **IQ300FPW** Wash Down Filtered Fan System has been designed for cooling electronic equipment housed within an enclosure - where the electronics can operate at temperatures slightly above ambient and the enclosure may be subjected to splashing water or hose-direct wash down.

Each filtered fan system comes complete with intake and exhaust modules, serviceable intake filter, mounting hardware, gasket and power cord.

### Installation:

*\*\*\*Please read complete instructions thoroughly before beginning installation.\*\*\**

Ice Qube's wash down filtered fan systems ship to you fully assembled. The intake and exhaust modules have power cords. The inlet module has a serviceable polypropylene filter. *This filter must be cleaned periodically*, depending upon ambient conditions.

To clean the filter, it is recommended to disconnect the electrical power from the intake module. Next, remove the filter cover panel on the front of the intake module by loosening the screws. Remove the filter by pulling the tab at the center of the filter. Clean the filter by soaking it in mild solution of detergent and water - then rinsing in clean, warm water. Use a Shop-Vac to remove excess water from the filter before returning it to the intake module. It is recommended to have an additional clean filter in stock to prevent excessive equipment downtime.

1. Prepare the enclosure by cutting a rectangle and drilling (6) holes for mounting each module to the enclosure. Openings are required for the intake and exhaust module power cords. (See Cut out drawings for rectangle size and hole locations) For best performance, it is recommended to install the intake near the bottom of the enclosure and the exhaust near the top of the enclosure on opposite sides.
2. Apply the provided gasket material to the perimeter of both intake and exhaust modules. (See Gasket Drawing). Apply to the side which has the mounting studs protruding.
3. Attach the intake and exhaust modules (gasket side toward enclosure) to the enclosure using the provided mounting hardware. Use a wrench to secure the nuts and bolts, slightly compressing the gasket material to form a seal.
4. Attach the power cords to a properly grounded receptacle of proper voltage and current inside of the enclosure. If a receptacle is not available inside of the enclosure, provide access for electrical power to be supplied to the fan.
5. After applying electrical power to the fan, it should begin operation immediately and continuously. *Listen for any unusual noise or vibration.*

If you have questions or require assistance please contact:  
**Ice Qube, Inc. (888) 867- 8234**