



# IQ150FPW, IQ250FPW, IQ300FPW, IQ500FPW Wash Down Filtered Fan System Installation and Operation Instructions

Ice Qube's **IQ150FPW/IQ250FPW/IQ300FPW/IQ500FPW** 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. On all models, the intake module has a power cord and a serviceable polypropylene filter. On the IQ300FPW and the IQ500FPW models, the exhaust module also has a power cord. *The 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 an opening for each module's power cord and drilling holes for mounting. (See Cutout drawings for sizes and mounting 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 approximately 1/8" thick to form a seal.
4. Attach the power cord(s) to a properly grounded electrical power supply of proper voltage and current inside of the enclosure. Electrical connection should be made by a qualified technician.
5. After applying electrical power to the fan, it should begin operation immediately and continuously. *Listen for any unusual noise or vibration. Remove power immediately if noise or vibration are noted or unit does not begin operation!*

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