



## **WIND SPEED SENSOR PACKAGE**

### **Questions and answers**

Package can be added to any evaporator or dual or tripack evaporators.

**What will it achieve?** The wind speed sensor can be adjusted by the operator, the desired maximum wind speed to be allowed can be set, once this level is reached for a couple minutes then the system sends a signal that turns a two way ball valve and diverts the water flowing out the nozzles at the end of the wind tunnel, to a hose that puts the water back into the pond.

**Why would you do this?** Because some wastes have solids, such as salts, when the water evaporators off, the solids are left to fall back into the pond. At a certain wind speed these solids may be carried out of the lined area permitted for your pond. If this occurs to avoid violation of your permit, it automatically stops the water from being put aloft and redirects it back to the pond.

**Why would you redirect it back to the pond rather than simply shutoff the pump?** Because if you chose to shutoff the pump, which could be done, sooner or later the possibility that the system will lose prime and then restart with a dry pump, which will burn it out, is very great, a multistage stainless steel pump can cost in excess of \$8000-\$10,000

By diverting the water, the pump is still running, prime is always maintained and no risk results from the stop/start/stop start potential on a gusty day.

#### **What is the cost of this option to be added to a unit?**

Currently in 2009 the cost is \$5359.00 and consists of the following items:

- Transformer step-down box and transformer to supply 12 volt dc current
- Two way stainless steel 2 inch electric actuated ball valve
- Maximum brand 12 volt DC wind alarm and 3 cup anemometer
- 50 feet of 2" petroleum transfer hose with cam locks
- 100 feet of cable to connect anemometer with wind alarm plus wiring of the system.

**Can we use one wind speed sensor system on multiple units?** Yes, but a larger ss ball valve is required to handle large volumes, and that price will need to be quoted at the time of order to accommodate the customer's needs.

Call 1 800 495-6145 ext 207 for more information.