

REPRINT NESIMA RINK RATS ARTICLE DECEMBER 2001

Energy Saving Device That Will Save Your Rink Money.

Aquamatic is a device that can save your rink thousands of dollars a year. The Aquamatic is a patented computerized automatic filling unit for your ice resurfacers. This unit can be used with Zamboni and Olympia Ice Resurfacers.

The way the Aquamatic saves your rink money is by shutting off your hot water when the ice resurfacer is filled. Have you ever started to fill your resurfacer and had to leave for a moment? When you came back, was the water overflowing and going down the drain? The drain is where all your money and hot water is going. Just think of the money it costs not only for the water, but the cost of heating that water. These were the two obvious losses. Another loss that the manager does not think about, but is a major concern, is the quality of the ice. Yes the quality of ice. You now have colder water in your ice resurfacer because the hotter water has gone down the drain, and you will be making rougher, inferior ice that may be cloudy.

The Aquamatic filling system is also a time saving device. It allows the user to program the unit to start filling before the next resurfacing. The unit will then start filling at the predetermined time and shut off once it has filled the resurfacer. This allows the user to complete other necessary tasks, without worrying about getting the resurfacer ready for the next resurfacing.

How long does it take to fill your ice resurfacer? Just remember, the quicker you fill your ice resurfacer, the greater possibility of money down the drain from faster overflowing. The Aquamatic is able to adapt to any size hose for your resurfacer. This means that you can have greater control of your water and energy bills.

How does the Aquamatic differ from other filling devices? Our product consists of a low voltage (class 2) wall mounted computerized receiver control unit, with a two line character instruction display, battery operated computerized radio transmitter unit with an overflow water sensor, and a low voltage solenoid water valve. The solenoid water valve turns on or off the water supply which feeds a flexible hose that is inserted into the water tank in the resurfacer to be filled. The water solenoid valve is activated by the computerized receiver control unit on the wall. The control unit is powered from a 24v transformer plug into 110v ac receptacle on the wall. The transmitter unit is permanently mounted on the resurfacer to be filled, with the overflow water sensor connected to the overflow conduit on the water tank. Immediate filling is started from pushing a start button on the control unit, or a delay fill that will start from a preset time, that was set by an operator in the last 24 hours. When the water tank on the resurfacer has filled, water starts overflowing thru the water sensor, which in turns sends a fill radio signal from the transmitter unit mounted on the resurfacer. The radio signal is received by the control unit, which in turn shuts off the water supply. Indicators and audio alarm on the control unit announces that the filling has been completed. Other functions of the control unit

monitors the transmitter battery, the power down internal rechargeable battery, and an adjustable maximum safety fill timer.

Have you ever used one of the gasoline handle pump devices for filling? They just do not work. They are designed to shut off when you get enough water back pressure in your fill pipe. The only problem is there usually is not enough back pressure when filled. This is due to the overflow vent(s) on the resurfacer water tank(s) which usually eliminates this back pressure.

The Aquamatic is your remedy on saving your rink money and making your ice superior . For more information or a demonstration, please contact Ice Makers at (518) 761-3063 or contact us at sales@ice-makers.com.

Authors: Robert Duff & Roger Epworth
Ice Makers Co.
10 Buttermilk Falls Road
Fort Ann, New York 12827