

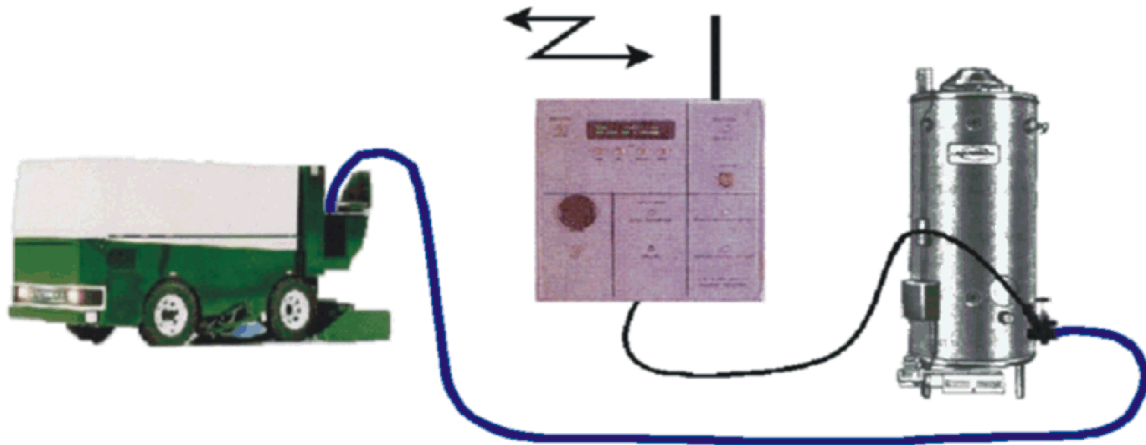
# SAVE MONEY, TIME AND ENERGY

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## Aquamatic™ Automatic filling system for Ice resurfacers

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Does your ice resurfacing machine talk to your hot water tank ?  
If it doesn't, you are pouring hot water and money down the drain.



I am sure you are familiar with this scenario. Someone starts to fill the hot water tank on the resurfacing machine, then leaves and gets involved with something else. When they return the tank is overflowing sending costly hot water down the drain.

Not only does this cost money but it can degrade the quality of your ice surface. If the tank has been overflowing for a long time you get to the point where you are now filling it with warm or even cold water.

Another all too familiar scenario. It is 5 minutes to ice cut and the operator has forgotten to fill the resurfacer. Then resurfacing has to be delayed causing scheduling problems.

These problems are eliminated with the patented Aquamatic™ fill control. The control consists of a remote sensor mounted on the resurfacing machine, a solenoid valve and a control unit. When the resurfacing tank is full and starts to overflow, the sensor detects it and sends a radio signal to the control unit which then shuts off the hot water valve. The system is automatic. You do not need to pay someone to stand there and watch the resurfacer tank fill.

Ice cut scheduling is also simplified with the Time Delay fill. Just program the fill control like an alarm clock for a set time (e.g. 11:30am) or an interval (e.g. 90 minutes\*\*), put the hose in the filler, hit the start switch and forget it. At the programmed time, the control will fill the resurfacer tank and shut itself off when the tank is full.

### Other features include:

- 2 line Alphanumeric display gives time, status or instructions
- Audible and visible alarms
- Adjustable backup safety timer
- Microprocessor controlled (some features are programable)
- Last fills history recall (used by rink managers to check on past ice surface cut times)
- Low voltage controls for electrical safety
- Easy to operate
- 6 months labor & parts warranty
- Self installation (typical under 2 hours)
- Multiple resurfacer(more than one) filling or Multiple filling stations\*\* with multiple resurfacers

- In addition to the basic model, three new models and upgrade packages will be available in the future\*
  - Resurfacer tank water temperature display
  - Tank water level & fill to level feature
  - Both of the above features
- No obsolescence - system has a modular design, upgrades can be installed on any lower feature model at your site if an additional feature is desired at a future date\*.

**COST SAVINGS PROJECTIONS(cost savings could be greater or less depending on your flow, overflows and fuel cost)**

Six Fills a day	No. 2 Heating Oil		LP Gas		Natural Gas( cheapest fuel )	
Water Costs per day @ \$.001 per gal Total 960 gal	6 Fillings x 160 gal x \$.001 per gal	\$.96	Same	\$.96	Same	\$.96
Excess water costs assuming a 15 mins overflow per day (avg 2 1/2 min per fill) Total 330 gal	15 mins x 22 GPM x \$.001 per gal ( 7 to 8 min empty fill time)	<b>\$.33</b>	Same	<b>\$.33</b>	Same	<b>\$.33</b>
Heating Costs per gallon of water Gas & Oil assumes 75% efficient boiler	1 gal water from 58 - 160°F = .0082 gal @ \$1.85 per gal of oil	\$0.0152	1 gal water from 58 - 160°F = .0125 gal gas @ \$1.55 per gal of gas	\$.0194	1 gal water from 58 -160°F = .0114 therms @ \$1.00 per therm	\$0.0114
Regular heating of water per day	960 gal of water @ \$0.0152 per gal	\$14.59	960 gal of water @ \$0.0194 per gal	\$18.62	960 gal of water @ \$0.0114per gal	\$10.94
Excess heating of wasted water per day	330 gal of water @ \$0.0152 per gal	\$5.02	330 gal of water @ \$0.0194 per gal	<b>\$6.40</b>	330 gal of water @ \$0.0114 per gal	<b>\$3.76</b>
Total excess cost per month(water + heating	(\$.33 + \$5.02) x 30day	<b>\$160.50</b>	(\$.33 + \$6.40) x 30day	<b>\$201.90</b>	(\$.33 + \$3.76) x 30 day	<b>\$122.70</b>
Total excess cost per year(water + heating	(\$.33 + \$5.02) x 365day	<b>\$1952.00</b>	(\$.33 + \$6.40) x 365day	<b>\$2456.45</b>	(\$.33 + \$2.81) x 365day	<b>\$1492.85</b>
<b>Return on Investment Days &amp; prox. months</b>	\$895/ (\$.33 +\$5.02)	<b>167 Days 5½ months</b>	\$895/ (\$.33 +\$4.92)	<b>133Days 4a months</b>	\$ 895/ (\$.33+\$2.81)	<b>219 Days 7¼ months</b>

Model Fil-CT-3A  
 Fil-CT-3A-TEM  
 FIL-CT-3A-LEV\*  
 FIL-CT-3A-LEV-TEM\*

Basic model \$895  
 with temperature sensor / display \$1095  
 with level sensor & fill to level feature \$1095  
 temperature and level sensors \$1295

Additional parts available

Transmitters, water solenoid valves, sensors & low voltage custom extension cords

Additional plumbing parts available

Brass fittings, hot water hoses, quick disconnect fittings & Teflon tape

Manufactured and Distributed by:  
 Ice Makers Co  
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\*Future products: Please call our factory for availability date

web: <http://www.ice-makers.com>