



Niagara Blower Heat Transfer Solutions

673 Ontario St., Buffalo, NY 14207

Phone: (716) 875-2000 ~ Fax: (716) 875-1077

sales@niagarablower.com / www.niagarablower.com

Aftermarket Parts/Customer Service

Q: Does Niagara supply original parts for older equipment?

A: Yes - Niagara maintains all original equipment design and manufacturing details.

Q: Does Niagara provide system evaluations, service and/or on-site training?

A: Yes - Niagara's trained and experienced technical staff will help ensure that your "No-Frost" system continues to provide cold, clean, and dry air for years to come. Just like any other mechanical system, proper operating procedures and maintenance practices are important. A well maintained system will minimize energy use, control "No-Frost" liquid usage, reduce operating and maintenance costs, and increase component life.

Q: Our "No-Frost" system is very old and no longer functions automatically. Does Niagara offer control upgrades?

A: Yes - Through continuous research and development, Niagara strives to provide the best controls for new and old "No-Frost" systems. Niagara has the ability to design and build state-of-the-art control systems to meet the operational requirements for any older Niagara "No-Frost" system.

Q: We do not have an operating and maintenance manual. Can Niagara provide a replacement?

A: Yes - Niagara can provide replacement system O&M manuals.

Conditioners/Spray Coolers

Q: Does Niagara recommend continuous spray of "No-Frost" liquid over our evaporator coil(s) during operation?

A: Niagara "No-Frost" conditioners are designed for continuous spray. Continuous "No-Frost" spray provides the following benefits:

1. Precise leaving air temperature and humidity control.
2. Removal of airborne pathogens, such as Listeria, Salmonella and Yersinia.
3. Continuous frost-free operation.



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Q: Does Niagara recommend a continuous feed of concentrated “No-Frost” liquid to our conditioner(s) during operation?

A: Niagara conditioners are designed for continuous liquid feed. Circulation rates are factory set to prevent dilution of “No-Frost” liquid being sprayed over the evaporator coil, thus maintaining proper operating conditions.

Q: Does Niagara recommend regular cleaning of evaporator coils?

A: No - Because Niagara systems are designed with a continuous spray of “No-Frost” liquid, evaporator coils are continuously sanitized.

Q: Does our conditioner(s) require leaving air filters?

A: No – As entering air passes through a continuous spray of “No-Frost” liquid, dust particles and harmful bacteria are stripped out. This matter is suspended in the “No-Frost” liquid and eventually filtered out through the use of side stream liquid filters.

Q: Does Niagara recommend regular cleaning of main and auxiliary mist eliminators?

A: Yes – Eliminators can become fouled. Fouled eliminators can result in improper air movement thereby limiting the conditioners performance.

Q: Does Niagara offer spray systems and/or spray pumps upgrades?

A: Yes - Niagara’s new “large orifice” spray nozzle systems are easily retrofitted to older conditioners. Close coupled-end suction spray pump retrofits are also available. Refer to the upgrade literature section of our website.

Concentrators/Regenerators

Q: Does our “No-Frost” system require a liquid-to-liquid heat exchanger before and after the concentrator and if yes, what benefit does it provide?

A: The heat exchanger or economizer is a vital part of the “No-Frost” system. It functions to preheat “No-Frost” liquid entering the concentrator and pre-cool liquid returning to the conditioner or storage tank. This heat exchanger significantly reduces energy requirements and maintains the concentrators design moisture removal capacity.



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Q: Our A-Type concentrator has an older “tubular-style” liquid-to-liquid heat exchanger. Can this heat exchanger be replaced by a brazed or plate heat exchanger?

A: Heat exchanger retrofits are available for A-Type concentrators with minimal installation effort.

Q: Does Niagara recommend regular cleaning of filter media and plastic separation media?

A: Yes – Filter and plastic media can become fouled, thereby reducing air flow and moisture removal capabilities.

“No-Frost” Liquids

Q: We found an alternative glycol. Why should we buy Niagara specifically formulated “No-Frost” liquids?

A: Is what you bought right for your Niagara “No-Frost” system? Is it properly inhibited to prevent corrosion? Will your supplier support you in the event that it fouls your system?

The type of inhibitor, amount and method of blending inhibitors into solution can produce different results. Incompatible types, amounts and blending methods can result in inhibitors precipitating out of solution in the form of silica crystal or sludge. This sludge will foul your evaporator coil(s), piping and heat exchangers resulting in performance problems.

Q: Does Niagara offer food grade “No-Frost” liquid?

A: Yes

Q: Are Niagara “No-Frost” liquids USDA/CFIA approved?

A: Most Niagara liquids are USDA/CFIA approved for use in food plants.

Q: Does Niagara have “No-Frost” liquid characteristic charts available?

A: Yes – “No-Frost” liquid characteristic charts can be found in the literature section on our website.



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**For further questions, please contact Niagara
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