



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

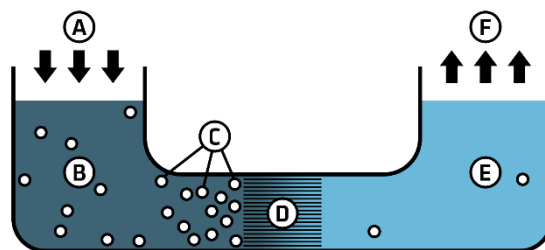
SB20-0011

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Subject: Application of Purified Water in Hoshizaki Ice Makers

Purified water, for the purpose of this bulletin, means water treated by commercially available treatment systems employing one or a combination of purification technologies including, but not limited to ion exchange (including water softening), continuous electrodeionization, electrodialysis, reverse osmosis (RO), or distillation.



Purified water may be used to supply Hoshizaki ice machines. It is the responsibility of the owner/operator to establish that the water supplied to the Hoshizaki Ice Maker is of the appropriate drinking water quality according to all applicable regulations and to address all of the safety concerns, if any, associated with the water purification treatments.

Purified water which has a high degree of demineralization may become aggressive toward the metallic components within an ice machine or other water-using appliances. Therefore, to maintain the reliable operation of Hoshizaki ice makers the quality of the purified water supply must:

- Be monitored periodically to ensure correct system operation
- Conform to the limits in the table below:

Purified Water Quality Specifications

Criteria	Limit	Value
†Electrical Conductivity, $\mu\text{S}/\text{cm}$ at 298 K (25°C)	Minimum	10.0 (††est. 6.4 ppm TDS)
†Electrical Resistivity, $\text{M}\Omega\cdot\text{cm}$ at 298 K (25°C)	Maximum	0.1 (100 k $\Omega\cdot\text{cm}$)
pH @ 298 K (25°C)	Range	6.5 ~ 8.5

† Electrical conductivity or resistivity may be established and recorded. Conductivity and resistivity are related by the following equation: $(\text{conductivity } [\mu\text{S}/\text{cm}]) = 1 / (\text{resistivity } [\text{M}\Omega\cdot\text{cm}])$

†† Electrical conductivity $[\mu\text{S}/\text{cm}]$ may be calculated from conductivity-based TDS measurements by dividing TDS [ppm] by a factor of 0.64

Please Note:

1. Water which has been treated with one of the aforementioned treatment systems and meets the above criteria will not compromise the warranty of Hoshizaki tin-plated, stainless steel and nickel-plated evaporators.

If you have any questions concerning this change, please contact the Technical Support Department at tech-support@hoshizaki.com or 1-800-233-1940.