



**K-INNOVATIVE
PRODUCT**



Public Procurement
Service

N-ICE-RO

UV Sterilizer Ice Maker



Ice water sterilization



Sterilizing water spray



**Clear and transparent
aseptic ice production**



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**The UV Sterilizer ice machine,
N-ICERO produces safe ice without
worrying about germs by sterilizing
100% of harmful bacteria that may
occur during the manufacturing and
use of the ice machine through the
installation of UV radiation dose
control technology.**



N-ICERO UV Sterilized Ice Maker

Front



Aspect



Back



Inside 1



Inside 2, 3



**Sterilization
Control System**

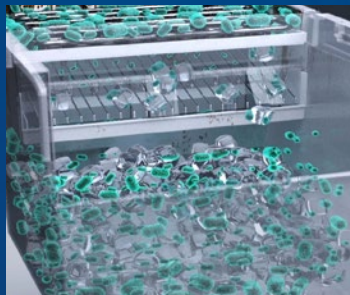
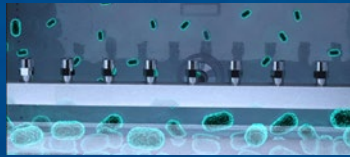
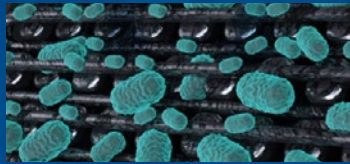
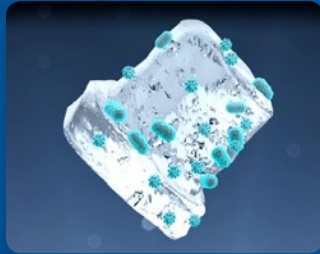




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UV Sterilizer Ice Maker



**Bacteria
propagation
in the evaporator
water tank**

1 Raw water supply

Former water treatment through a water pipe water supply in the natural state

2 Water treatment

Water treatment in three steps by the incoming raw water filter

3 Polluted water reservoir inflow

Supplied with purified water been contaminated through water tank inlet ice framework tops

4 Supply of ice water

Supplying ice making water for contamination of the reservoir through a pipe

5 UV sterilizer passes

100% sterilization by contaminated water passes through the UV sterilizer

6 Sterilized water supply, The ice frame injection

100% sterilization process propellant in the framework of the ice through the water nozzle

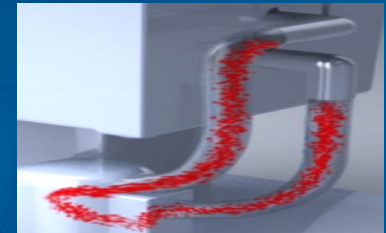
7 Contaminated of the ice for Frame tops reservoir re-entering

The polluted water supplied through the water for the ice-making water tank pipe

Repeat
cycle



**Clear production of
sterile ice**





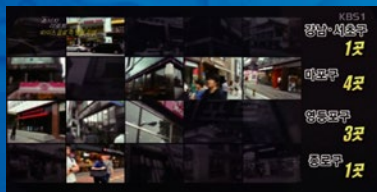
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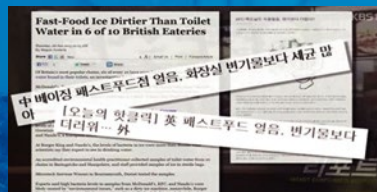
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Ice drink hygiene check



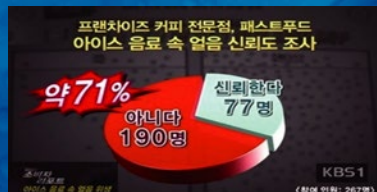
Sanitary Inspection Of Ice
Test Results (At the risk of
exposure, health and hygiene)



Fast food restaurant ice that
is dirtier than toilet flushes



9 out of 20 places - exceeding
the standard for the number
of common bacteria



About 71% of consumers -
distrust of ice

Problem of Ice Maker

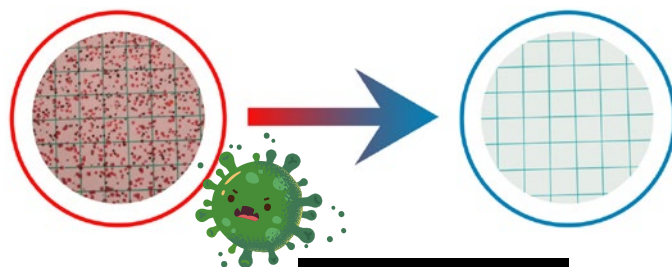
Ice Tops The Framework
(Bacteria Occurs Segment)



Contaminated Water From
The Top Of The Ice Frame
Falls Into The Water Tank



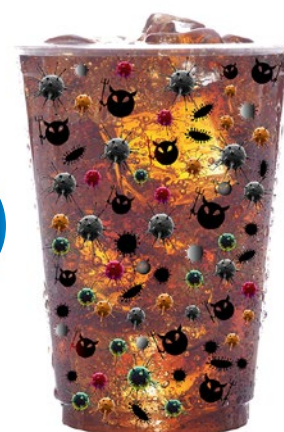
1 minute after ice making started



Eliminates **100%**
of E. coli and general bacteria



VS



What ICE drink are you drinking now?





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Service

UV Sterilizer Ice Maker

1

Food safety regulation standards to prevent any one of the only possession that may cause problems for consumers

2

The most important thing is how clean ice you are trying to make and supply to consumers

3

The current law requires considering the convenience of the industry than the safety of the consumer health problems caused to the relaxing standards

4

Food and Hospitality shall have the obligation to provide clean ice that can be eaten by a consumer who believes a thorough ice maker management

■ Applied Technology

- UV development generator program to control the sterilization U.V OUT PUT as a function of temperature in the high-output variable
- Maintaining a constant output voltage of 118V with no deviation (keeping 100%)
- The entire process of de-ice time ice Cube (to prevent temperature rise U.V) of the lamp on/off control function to detect the flow velocity

Certifications



Excellent
Invention



Innovative
Products



New Excellent
Technology

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