



Natural Choice Corporation
5677 Sockness Drive
Rockford, IL 61109
PHONE: 815-874-4444
FAX: 815-874-4445
www.naturalchoicewater.com

TECHNICAL SERVICE BULLETIN

Filename: TSB – Sanitizing the ION Appliance
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SANITIZING THE ION APPLIANCE

This procedure is intended to clean and sterilize the interior water path of the ION TS Series drinking water appliance

NOTICE: Effective sterilization requires at least 15 minutes of contact time using of EKW cleaning solution

WARNING: TURN HOT SWITCH OFF BEFORE BEGINNING THIS PROCEDURE!

Estimated Time Required: 45 Minutes

Items Required:

NCC Part #6930
Includes Two (2) Sanitizing Cartridges,
One (1) 16 oz. squeeze bottle with nozzle,
One (1) closed port manifold with stem
elbows, One foot of blue tubing



To be purchased separately:

- Chlorine test strips
- Recommended cleaning solution:
EKW cleaning spray and concentrate solution
- $\frac{3}{4}$ inch BSP to $\frac{1}{4}$ quick connect fitting
(John Guest fitting C1320816FS) or comparable



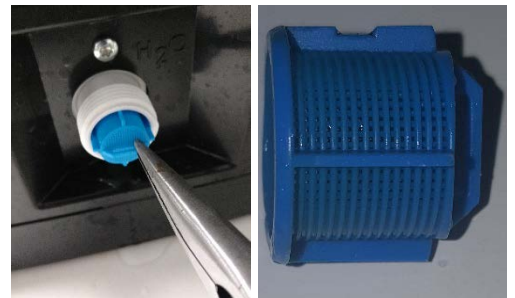
STEP 1 – SHUT OFF WATER SUPPLY

Shut off water supply and relieve pressure by pressing cold or ambient water option. Remove water line from inlet valve



STEP 2 – REMOVE BLUE STRAINER INSIDE INLET VALVE & CLEAN

Clean strainer by spraying with small amount of EKW disinfectant. Replace before continuing to Step 3



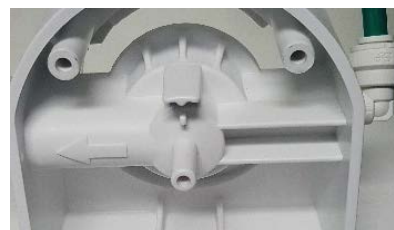
STEP 3 – REMOVE THE FILTER

Open filter door on front panel of ION and twist filter counter-clock wise. Remove filter and discard



STEP 4 – PREPARE THE MANIFOLD

Connect water supply to inlet port of manifold. Connect one end of blue tubing to outlet port of manifold. Connect other end of blue tubing to fitting on back of cooler



NOTE: Arrow on back of manifold indicates direction of flow

STEP 5 – PREPARE THE SANITIZING CARTRIDGE

Insert one empty sanitizing cartridge into ION, rotate clock-wise to lock into place

Fill 16oz. squeeze bottle with EKW disinfectant and pour into top of second empty sanitizing cartridge

Insert sanitizing cartridge with solution into Manifold outside of cooler. Rotate clock-wise to lock into place

Turn off water supply



STEP 6 – SANITIZING THE WATER PATH

Dispense Ambient water and hold a chlorine test strip in water until it turns green or brown. Repeat step for Cold and Sparkling water

NOTE: When test strip turns green or brown, it means the sanitizing solution is present in the water path for that dispense type



STEP 7 – FILL CARBONATION TANK TO TOP WITH CLEANING SOLUTION

1. Open Ice Tank lid
2. Turn off ION and CO2
3. Disconnect red wire from carbonation tank ("S")

NOTE: Disconnecting red wire simulates the carbonation tank is Empty

4. Put paper towels around the safety valve on carbonation tank
5. Open carbonation tank by pulling the safety valve up and turn valve 90 degrees
6. Turn ION back on. Allow ION to fill carbonation tank until water comes out of safety valve. Quickly close the safety valve and turn off ION
7. Reconnect red wire before continuing



STEP 8 – CLEAN THE FILL VALVE

Drain water from ice tank using the ice tank drain located inside filter door until water level is slightly below the level sensor brackets. Turn ION on and allow water with sanitizing solution fill the remainder of the ice tank



STEP 9 – CLEAN TUBE CONNECTED TO HOT VALVE

Dispense a small amount of water from the hot tank to get solution into short tube between fill valve and hot valve



STEP 10 – 5 MINUTE CONTACT CYCLE

After 5 minutes of sanitizing solution in all ION water paths, dispense a small amount of water from Cold, Ambient, and Sparkling to ensure sanitizing solution contacts all components

STEP 11 – 10 MINUTE CONTACT CYCLE

After 10 minutes of sanitizing solution in all ION water paths, remove external manifold with sanitizing cartridge from water line. Connect water line to back of ION. Remove internal sanitizing cartridge and drain until empty. Once cartridge is empty, reinstall in ION



STEP 12 - FLUSH ION

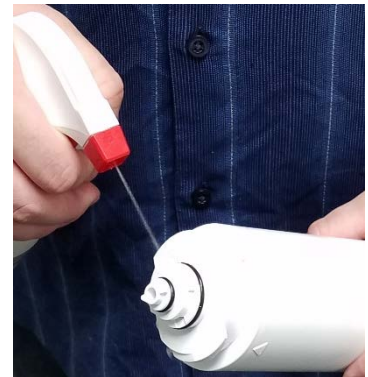
Dispense 2 liters of water from Cold, Ambient, Sparkling, and Hot to ensure sanitizing solution is out of ION. After water is dispensed from each water type, check water with chlorine test strips to make sure all sanitizing solution is purged

NOTE: If test strip shows green or brown, sanitizing solution is still in water path, and additional flushing is needed. Once additional flushing is performed, check with test strip again



STEP 13 – REPLACE FILTER

Once the sanitizing solution is completely flushed from the ION, remove sanitizing cartridge. Spray new filter head with sanitizing solution and insert new filter. Follow filter change procedure



END OF PROCEDURE

Not sure if you're doing the right thing?

Contact Natural Choice Corporation at 800-547-7726 (815-874-4444int'l) or by fax at 815-874-4445 or by email at info@naturalchoicewater.com