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TECHNICAL SERVICE BULLETIN

Filename: TSB – Descaling the ION TS Series Hot Tank
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DESCALING THE ION TS SERIES HOT TANK

To remove built-up scale from the interior of the Hot Water Tank and Overflow Assembly.

Caution:

Effective descaling requires at least 15 minutes of contact time with a 7 to 1 water to citric acid solution (5 fl. oz. [148ml] of concentrated citric acid) or other commercially-available descaling solution.

WARNING:

TURN HOT SWITCH OFF BEFORE BEGINNING THIS PROCEDURE!

Introducing descaling solution requires the hot tank to first be drained- NEVER drain the hot tank with the Hot Switch ON!

Items Required (To be purchased separately)

One (1) squeeze bottle with nozzle (5 fl. oz. [148ml] capacity required when using concentrated citric acid, 20 fl. oz. [590ml] capacity recommended for pre-mixed solution).

Citric Acid (5 fl. oz. [148ml] concentrated liquid) or 40 fl. oz. (1.2L) pre-mixed solution suitable for food and beverage equipment sanitizing applications.



*Items pictured are examples to reference

Estimated Time Required: 30 Minutes

STEP 1 – PREPARING THE HOT TANK

IMPORTANT: Turn Hot Switch OFF before proceeding.

Dispense 1-2 gallons of water from hot system to cool hot tank, then drain all water from the hot tank. Draining will require an adequately-sized container or sink access.

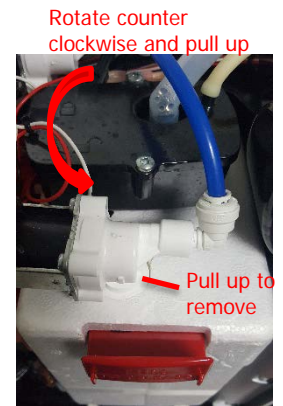
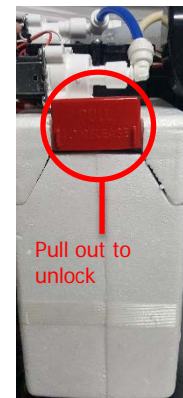
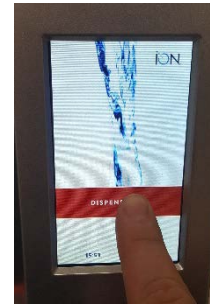
Remove top and left side panel by removing 4 screws that hold panels to frame.

Unlock the red hot tank latch by pulling tab out

Remove hot valve by pulling straight up

Remove overflow assembly by turning assembly counter-clockwise and pulling straight up

NOTE: Some water may leak from bottom of overflow assembly once removed from hot tank



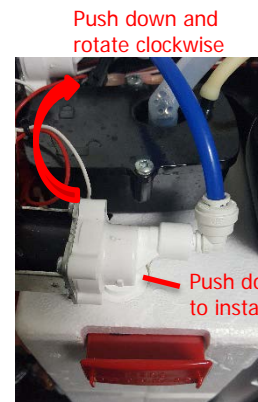
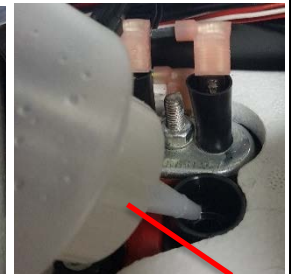
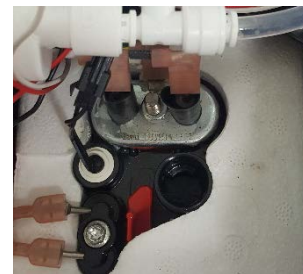
STEP 2 – ADDING DESCALING SOLUTION

Fill squeeze bottle with desired descaling concentrate or solution in recommended volume and pour into overflow hole in top of hot tank.

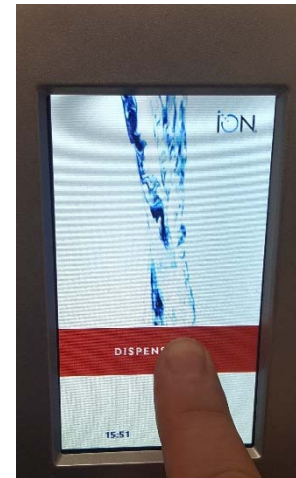
Reinsert overflow assembly, rotate clockwise

Replace hot valve and lock red hot tank lock.

NOTE: Hot Tank will require approx. 40 fl. oz. (1.2L) to fill. If Using concentrated Citric Acid, use only 5 fl. oz. (148ml).



After reinserting overflow assembly and hot valve, press and hold the hot dispense button until water dispenses from the hot tank (Do NOT yet turn hot switch ON). This will fill the remaining volume with water and provide the proper solution mixture.

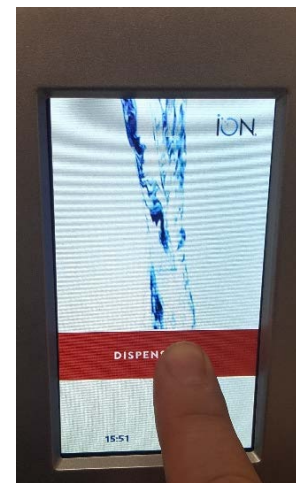


STEP 3 – DESCALING AND FLUSHING

Once Hot Tank is COMPLETELY FILLED with solution, turn Hot Switch ON.

Allow 15 minutes for solution to heat and remove scale build-up.

After 15 minutes, flush the Hot Tank by dispensing 6-8 gallons (22-30L) of hot water.



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