



May 13, 2014

GETINGE GROUP
GETINGE USA INC.
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Re: Description: HEALTH CARE PLUMBING APPLIANCE
Manufacturer: GETINGE GROUP
Product Name: HIGH-PURITY RO WATER TREATMENT SYSTEM
Model Number(s): HS-4800
Product File No: 20140113

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of May 2019.

This approval is contingent upon compliance with the following stipulation(s):

- No copper or galvanized water supply piping shall be installed to convey reverse osmosis (i.e. RO) permeate downstream of this device.
- Any chemicals injected into a potable water line shall conform to NSF/ANSI Standard 60.
- If there is pre-existing copper or galvanized in the permeate piping downstream of this device, then one of the following shall occur:
 1. The copper or galvanized pipe shall be replaced with piping materials that are compatible with RO permeate;
 2. the water downstream shall be treated to increase the buffering capacity/alkalinity content [e.g. sodium carbonate (a.k.a. soda ash) injection, calcium carbonate/magnesium oxide filter, etc.]; or
 3. the water downstream shall be treated with orthophosphate.

This product approval does not address any contaminant reduction performance claims made by the manufacturer because no data was submitted to support any specific contaminant reduction performance claims. However, be advised of the following:

- a. The KDF media is a sacrificial media. As such, low levels of both copper and zinc are released into the treated water stream, typically at concentrations below any primary or secondary drinking water regulations.
- b. Significant iron concentrations may require a more targeted approach to iron reduction. This is because iron may exist in a variety of forms (e.g. particulate, dissolved, bacterial, organically bound) and KDF has a limited effect on dissolved iron only.
- c. Not all volatile organic chemicals (i.e. VOC's) are reduced via activated carbon (e.g. vinyl chloride).

- d. The purity of water produced via RO will vary directly with:
1. onsite water quality;
 2. onsite water pressure;
 3. onsite water temperature
 4. the use of an atmospheric water storage tank must be closely monitored as airborne contamination can result if the tank is not carefully installed and monitored.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
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